

COMMUNICATION & SECURITY

IP INTERCOM



DIGITAL AND ANALOG INTERCOM
TELEPHONE INTERCOM



SECURITY INTERCOM



IP ACCESS CONTROL



ACCESSORIES



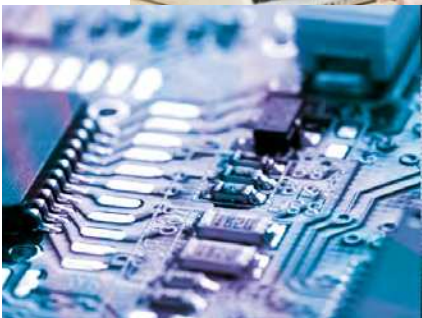
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SECURITY AND COMMUNICATION FOR THE DEMANDING ENVIRONMENTS

The tertiary and industrial buildings,
the medical sector, banking, the transportation
and car parks, the defence sector, prisons, etc.

CASTEL produces communication and access control solutions to secure
and manage your premises with total peace of mind.



A MANUFACTURER OF CUTTING-EDGE TECHNOLOGY, CASTEL IS A FULL LINE MANUFACTURER AND DEVELOPPER OF ALL ITS PRODUCTS

CASTEL designs, develops and controls the manufacture of its products. This unique approach enables us to bring you truly professional solutions, tailored to the demands of your business.

REACTIVE AND RESOURCEFUL, CASTEL IS SERVICE ORIENTED

Aside from its industrial calling, CASTEL implements services to aid your progress: developing specific products, technical support, assistance with implementation, training, after-sales service, remote support, etc. This offer of continual global improvement is what enables us to move forward together.



40 YEARS' EXPERIENCE IN THE VOICE AND SECURITY BUSINESS. CASTEL IS A MAJOR AND INDISPENSABLE KEY PLAYER IN THE FIELD OF INTERCOM AND ACCESS CONTROL SYSTEMS

Since 1970, CASTEL has been developing and marketing communication and access control solutions, together with professional intercommunication and security systems. Armed with this industrial experience, CASTEL uses its expertise on your projects.

A QUALITY PRODUCTION TOOL

> Cutting edge technology in the production department

Our production tool integrates the most advanced technologies, particularly in computer-assisted production management, setting up surface-mounted devices and product testing. Each board is tested on leaving the factory and all components arriving at your site have been inspected for reliability. The quality system is ISO 9001-version 2008 certified.

> A major, high performance production site

In order to satisfy your requirements and guarantee better service, CASTEL has a production site of over 2000 m². Located in Saumur, it comprises a production unit, a raw materials warehouse, a finished product warehouse and a service testing and after-sales service warehouse.

A STRUCTURED ORGANISATION

> A major commercial and technical presence

Through its domestic branches and a worldwide distribution network, CASTEL markets, implements and sets up its installations in France and abroad. CASTEL offers bases for a Marketing and Technical Assistance Force that is close at hand and listens to you.

> Qualified men and women

A people-oriented company, CASTEL places the expertise of the men and women that make up its workforce as one of the key elements of its success. In areas as diverse as marketing, technical assistance, sales administration, production and research, the ability, experience and versatility of our teams guarantee optimum results in the honouring of our commitments.

> A powerful group

CASTEL joined URMET group in 2010, benefiting from its international influence, and from synergies, including development and innovation, allowing us to bring you ever more efficient, competitive and innovative solutions. URMET group management philosophy, which provides an operating autonomy to its subsidiaries, allows CASTEL to keep its flexibility and reactivity, to be always closer to your needs and ensure your satisfaction.

CUTTING EDGE INNOVATION

> Research & Development

Our team of multi-skilled analogue and digital electronics and PC software engineers, who are familiar with the Linux and Windows environments, design increasingly high performance intercom and access control systems.

> Research Department

An electronics and mechanical research department uses CAD and 3D equipment to produce schematics defined by the R&D department.

> Tailor made

In order to fit your needs as closely as possible, CASTEL studies each specific development request. After analysis, standard products are tailored to fit these requests.

OUR VALUES

Since being set up, the CASTEL company has subscribed to an ambitious approach of continual development, respect for people and social awareness hinging on 4 strong business values that bring fortune and create wealth for our contributors and clients.

EXPERTISE AND QUALITY

Over its 40 years' experience, CASTEL has acquired a recognised level of expertise in the field of professional intercommunication and access control systems.

The quality of our designs, materials and manufacturing is one of the standards that enables us to guarantee the reliability and durability of the solutions offered.

CREATIVITY AND THE CULTURE OF PROGRESS

More than a tradition, innovation is second nature at CASTEL. The company is able to congratulate itself on having frequently been a pioneer in its fields of expertise, due to its efforts in Research and Development, its desire to undertake projects and the creativity of its contributors.

Continued research into the most innovative and high performing organisational, technical and humane solutions enables us to create the security and communication solutions of tomorrow.

RESPECT AND A SENSE OF TEAMWORK

In order to remain competitive in the long term, we must be open to change, to others and to technological change. We therefore rely on co-operation, respect and teamwork with our various partners, employees, suppliers, sub-contractors and clients.

LONG TERM DEVELOPMENT

The preservation of nature and the environment is a priority for which CASTEL has developed a programme that looks to reduce the environmental impact of its manufacturing activities whilst increasing the performance of its products.

This programme hinges on three points: the Eco-Conception of products that integrate recyclable and recycled components and low-energy consumption units; choosing partners who adhere to the criteria specified under industry standard ISO 14001; sensitivity to and training of personnel in environmental protection.

The interaction between knowledge, experience, innovation and humane business values, allied with professionalism and the expertise of our employees enables us to guarantee one of our fundamentals: client satisfaction.



OUR QUALITY POLICY: CUSTOMER SATISFACTION

Our quality policy and organization continuous improvement, were rewarded with the renewal of our ISO 9001 certification (obtained for the first time in December 2011)



Since its creation in 1995, Quality Assurance has always featured prominently in CASTEL politics and organisation. Therefore, we initiated in 2010 a process of certification, demonstrating **our strong desire for continuous improvement**.

ISO (International Standards Organisation) 9001 is a worldwide recognised standard that guarantees the highest quality products and services through the application of established and verifiable procedures.

This certification recognises the **Quality Management System (QMS)** successfully deployed, applying to all of our activities (design, manufacture and sales of solutions for buildings communication and security).

Through this certification, CASTEL demonstrates its ability to provide products and services that meet customer requirements such as statutory requirements, and thus **places the customer at the focus for company teams**.

Our **quality policy** is oriented around two poles:

- > The complete customer satisfaction, which is our company's primary objective. It is important to understand its present and future needs and strive to anticipate their expectations.
- > Continuous improvement of our performance to ensure the sustainability of our operations and business.

Naturally, the improvement process does not end with the ISO 9001 certification, but will continue to ensure over time, **customer satisfaction and operational excellence**.





CASTEL SERVICES

Proximity, availability and reactivity.

Using dedicated teams, CASTEL is close to its clients and able to guarantee high level service, both before and after sales.



HOT LINE
+33 2 41 40 41 42
Email: support@castel.fr

CUSTOMER SERVICE

As a partner, we support you in technical specifications analysis, to help you select the product which best suits your needs.

Our Quote Department carries out an accurate estimate of your solution and works out a quotation for your system with you. Each quote can be provided with a configuration and cabling diagram.

HOT LINE

A Technical Support team is at your service to answer any questions and help you over the telephone.

TAILOR MADE SUPPORT CONTRACTS

CASTEL can provide internet, remote or on site support contracts for its XELLIP, CAP IP, VDIP Evolution and MAYLIS ranges. So, whether remotely or directly on site, CASTEL will diagnose and help you maintain your installations.

ENGINEERING - ON SITE SERVICING

If you wish, CASTEL can assist you in part or in full with the programming, testing and ensuring the successful operation of your equipment on site.

We can also pre-program some of your equipment in our factory.

AFTER-SALE

An after-sale department in the factory guarantees the durability of your equipment. Our equipment and labour are guaranteed for 2 years. Once this guarantee expires a quotation for a further guarantee is drawn up.

TRAINING

On request, we can provide customised training programs for our products (installation, operation, maintenance), either on site or at our premises for installers and users.

And every year, standard training sessions are available. Feel free to contact the Technical Support Department to find out the dates of these training sessions.

CASTEL is a training provider: activity registered under the number 52.49.02686.49 to Pays de Loire Region Prefecture. The expenses of training sessions can be taken in charge by training financing organisations.

Your Professional Area on the CASTEL website

Providing you with a reactive, increasingly high performance service, CASTEL has added new features on the Professional Area of its website:

- > access to the different technical files for our products and their documentation
- > diagrams and specific technical specifications
- > possibility of requesting return material authorisation number, with online tracking
- > manage your incident tickets via your support contract, etc.

THE MEDICAL SECTOR

In hospitals, retirement homes or laboratories, clear, reliable and fast communication systems as well as systems for personnel, patient and visitor security are of prime importance. Our solutions, and particularly those for isolation and sterile areas specifically tailored to clean rooms, respond perfectly to these demands.



- Security intercom systems in different rooms, corridors, lifts, car parks (fire alarms, emergency calls)
- Visitor reception intercom systems, night reception (emergencies, dispensaries)
- Counter intercom systems (admissions, etc.)
- Access control management for personnel, car parks and restricted areas
- Remote control door and barrier opening
- Complete inter-department intercommunication systems (admissions, operating theatres, laboratories, emergency, etc.)
- Listening intercom systems in specialized reception centres
- Fast, easy to use communication systems (hands-free, programmable redial button, conference calling, etc.)
- Advanced solutions that can easily be integrated into existing equipment (information and emergency terminals, etc.)
- IP technology for voice and image transmission, access control and application diagram management in local or remote sites which can be centralised in multi-site complexes
- Water proof and easy clean surface stations tailored for clean rooms (operating theatres, etc.)

REFERENCES:

Grenoble Hospital Centre, Pitié Salpêtrière Hospital, Nantes Hospital Centre, Bayard Clinic in Villeurbanne, Pontarlier Hospital Centre, Cadillac Hospital Centre, the Timone Hospital, Saint Vincent de Paul Clinic in Bourgoin, Pompidou Hospital in Paris, Rochefort Hospital, Vannes Hospital, Nantes Therapeutic Research Institute, Cayenne Hospital, Nantes Blood Transfusion Centre, Montbrison Hospital, EHPAD retirement home in Sillingy, Lyon Civil Hospitals, Inserm, Birmingham Hospital, Koutio Healthcare Centre, and many others references through our worldwide network of distributors.



CAR PARKS



Our powerful, professional intercom solutions enable secure communication, giving your customers a quality of service that promotes loyalty and satisfaction with a feeling of constant support, as well as facilitating communication between those in charge and parking attendants.



REFERENCES:

Vinci Park, Paris SAEMES Car Parks, the Criée Marseille Car Park, Colombiers Rennes Car Park, the Etoile Strasbourg Car Park, Gare Montparnasse Car Parks, Piazza Lille Car Park, Saint-Emilion Paris Bercy Car Park, Cavalaire-sur-Mer Car Park, Reims Car Parks, Saint Louis Versailles Car Park, Sanary-sur-Mer Car Parks, Bibliothèque de France Car Park, Saint Exupéry Lyon Airport Car Park, Capitole Toulouse Car Park, Lausanne Car Parks, Perugia Airport Car Park, and many others references through our worldwide network of distributors.

- Advanced and easily integrated solutions for all car park equipment (entrance/exit terminals, intermediate terminals, pedestrian readers, automatic payment machines, lifts, etc.)
- IP network connection for long range audio, video and data flow
- Stations benefiting from high acoustic quality and optimal robustness
- Complete intercommunication systems in multi-site complexes: fast, efficient communication between several local or remote points
- Efficient teamwork thanks to centralised communication via IP at remote management centres
- Security intercom systems (fire alarms, emergency calls), application diagram and access control management
- SIP type solutions complying with communication interoperability standards and which can be integrated perfectly in centralised management solutions
- Disability regulations compliant stations



TRANSPORTATION



In order to guarantee maximum security and fast, clear assistance to clients and users of public transport, motorways, ports and airports, CASTEL's range of solutions enable a tailor-made response which is appropriate for a variety of situations.

- Information, assistance and emergency intercom systems
- Ease of integration into different equipment: assistance terminals on bus, tram and underground platforms, in stations, airports, pedestrian zones - fold-away terminals for vehicle access, motorway toll terminals, emergency call terminals in tunnels, terminals for booking taxis, etc.)
- Application diagram and access control of ancillary areas welcoming public transport users, access to autonomous ports, access to locks on waterways, etc.
- Information distribution (conference calls, general calls, etc.)
- High quality audio enabling perfect comprehension whatever the surrounding noise
- Long range audio, video and data management via IP
- Intercommunication and centralised communication available to and from remote management centres
- Fast, easy to use communication systems (hands free, programmable redial buttons, conference calls, etc.)
- Robust stations tailored to various requirements (waterproof, vandal proof, disability regulations compliant versions, etc.)

REFERENCES:

VNF (French Waterways), CNR (Rhône National Company), MGF (French Boarded Warehouses), Marignane Airport, Lesquin Airport, Air France Orly, SNCF Gare d'Austerlitz, Cofiroute, Le Havre Seaport, Marseille Haulage Depot, Post Office logistics platforms, La Rochelle fishing port, Angers Tramway Maintenance Centre, Dublin motorway tunnel, fold-away terminals in pedestrian zones (Saint Etienne, Ajaccio, Nîmes, etc.), Fès Airport, Brest, Le Havre, Casablanca Tramways, Algiers Metro, and many others references through our worldwide network of distributors.



THE BANKING SECTOR



CASTEL's high performance professional intercom and access control systems respond to the specific needs of the banking industry, offering maximum security for property and personnel, as well as fast and secure independent and remote communication systems.

REFERENCES:

National Bank of France, Crédit Lyonnais in Lyon, Groupama in Paris Val de Loire area, Inter Mutuelles Assistance, the Post Office in Paris, the French Stock Exchange in Paris, Deposit and Consignment Office (Paris, Bordeaux, etc.), Caisse d'Épargne Group in Paris, Qatar National Bank in Paris, Crédit Agricole (La Roche-sur-Yon, Nice), Macif in Tours, Fortis in Monaco, the French financial authority (Autorité des Marchés Financiers) Paris, Société Générale in Abidjan, WebMoney Moscow, the African Development Bank, and many others references through our worldwide network of distributors.

- Reception intercom and security systems for a variety of access requirements (branches, head offices, etc.)
- Remote control door and barrier opening
- Integrated video solutions (reassurance, aided assistance)
- Access control management for personnel, car parks, restricted areas, etc.
- Application diagram of communication, alarm and intruder detection systems
- Time programming (lighting, door unlocking, intrusion, etc.)
- Counter intercom systems
- Double-entrance security door intercom systems
- Help and emergency intercom systems on cash machines
- Intercommunication, hands-free communication, conferencing, general calls, call transferring, etc.
- IP network connection for long range audio, video and data flow
- Multi-site management by a single system
- Secured communication protocol
- Disability regulations compliant stations



PRISONS

JUSTICE

CASTEL has extensive experience and numerous serious testimonials from the prison system, enabling the company to offer high performance solutions for secure prison management and personnel, prisoner and visitor flow.



- Security intercom systems (intercommunication between different units control stations and central control room)
- Centralised communication from remote control stations
- Cell intercom systems (vandal proof stations, lighting control, luminous call marking, noise detection calls, caller identification, etc.)
- Access and contact intercom systems (building, corridor, airlock access, etc.)
- Visiting room intercom systems (with listening and recording options)
- Counter intercom systems (packet/document window, etc.)
- Application diagram of communication, access and alarm systems, video feedback
- Audio, video and access control management (code, badge or biometric) via IP
- Stations specifically adapted to the prison environment, benefiting from optimal acoustic quality and robustness
- Bus or star network connection, or via IP
- Solutions that meet standards of interoperability and which fit perfectly into centralised management solutions



REFERENCES:

Prison Centres (Le Havre, Mont-de-Marsan, Toulon-La Farlède, Orléans, Leuze-Belgium, Lonay-Switzerland, Batumi-Georgia, etc.), Prisons (Douai, Montauban, Clermont Ferrand, etc.), State Prisons (Saint-Maur, Vendin le Vieil, etc.), Youth Prisons (Marseille, Valenciennes, Lyon, etc.), Partial release wings (Aix-Luynes, Lille, Toulouse, etc.), La Gautrèche Closed Education Centre, Detention centres (Guyane, Lesquin, Rennes, etc.), Law Courts (Paris, Bayonne, Rennes, etc.), Cour d'appel in Fort-de-France, Lancashire Police Head Quarters, and many others references through our worldwide network of distributors



DEFENCE SECURITY



Whether for a military site, fire or police station, CASTEL solutions enable maximum security for people, property, access and installations, which is of paramount importance in these types of establishment.

REFERENCES:

CODIS Metz, SDIS (Maine et Loire, Pyrénées Atlantiques, Moselle, etc.), Air bases (Cognac, Tours, Evreux, Saintes, Rochefort, etc.), Military bases (La Rochelle, etc.), Brest Arsenal, Saint Nicolas Pyrotechnics, DCNS (Lorient, etc.), Cercottes training camp, Villeurbanne Police Station, Nîmes Municipal Police Station, DIRISI Papeete, Favière Transmissions Centre, CNSD (Defence National Sports Centre), DGA (the Armaments Procurement Agency), and many others references through our worldwide network of distributors.

- Visitor reception intercom systems
- Site security (access control, intrusion)
- Emergency intercom systems
- Application diagram and centralised management of alarm (fire, intrusion), access and communication systems
- Restriction management (sending emails, SMS messages)
- Access control management for personnel, car park and restricted areas, etc.
- Time programming (lighting, door unlocking, intrusion, etc.)
- Intercommunication and distribution of information (conference calls, general calls, etc.)
- Stations tailored to different applications (vandal proof, internal, external, waterproof, counter intercom systems, etc.)
- IP network connection for long range audio, video and data flow
- Secured communication protocol

TERTIARY INDUSTRY BUILDINGS



REFERENCES:

The Eiffel Tower, CNIT, Musée d'Orsay, Montparnasse Tower, Eric Tabarly Sailing City, Angers Theatre, Rochefort CCI, GAN Tower, the Pays de la Loire regional headquarters (Hôtel de région), Bouches du Rhône Municipal Archives, the Villette Great Hall, the Béziers Multimedia Library, the Strasbourg Zénith, The Great Library of France, Strasbourg Urban Community, Terrasses du Port in Marseille, Aéroville shopping centre, the Allianz Riviera stadium in Nice, Saint-Quentin-en-Yvelines velodrome, NEO GEO shopping centre in Moscow, Houses of Parliament in London, and many others references through our worldwide network of distributors.

Whether for high rise buildings, public buildings, administrative or community offices, commercial centres or office buildings, CASTEL offers optimum solutions in reception, property and personal security, as well as fast, reliable communication.

- Intercom systems for security, centralised fire alarms and emergency calls
- Visitor reception intercom systems
- Inter-departmental intercommunication
- Access control management for personnel, car parks and restricted areas, etc. (different companies can use the system thanks to access profiles)
- Application diagram for communication, alarm and intrusion detection systems
- Time programming (lighting, door unlocking, intrusion, etc.)
- Remote control door and barrier opening
- Multiple function stations (internal, external, refuge call points, car park access bollards, counter intercom systems, etc.)
- Voice, image and data IP management
- Communication and access control for remote buildings (multi-site complexes)
- Disability regulations compliant stations



INDUSTRIAL SITES



CASTEL offers communication and security solutions of high acoustic quality and optimal robustness. Tailored to the needs of the industrial sector, the wide range of equipment offered by CASTEL enables the demands of the most difficult environments to be met (humidity, forecasting, rises in temperature, ambient noise, etc.).

- Visitor reception intercom systems
- Remote control door and barrier opening
- Access control management for personnel, car parks, deliveries, etc.
- Inter-departmental intercommunication (production, logistics, administration, etc.)
- Information distribution (conference calls, general calls, etc.)
- Security intercom systems (fire alarms, emergency calls)
- Application diagram of communications, technical alarms, intrusion detection and restriction management (sending emails, SMS)
- IP network connection for long range audio, video and data flow
- High quality and efficient communications (ambient noise reduction, hands-free)
- Stations tailored to difficult environments (vandal proof, internal, external, waterproof, etc.)

REFERENCES:

Thales in Toulouse, Bosch in Angers, the Servier Laboratories in Gidy, Gates in Nevers, Nouvelle République in Tours, EDF in Mulhouse, SITA in Bruel-en-Vexin, INRA in Tours, Canson, Belfort Technology Park, the French Atomic Energy Site in Cadarache, the Hague Nuclear Site, Hersant Group Printing Works, Bouygues Challenger Head Office, Valéo, Nuclear Power Plant (Cruas, Blois, Golfech, etc.), Siro Cookies factory in Spain, Schaal chocolatier, IndustriLab, Labeyrie, Lustucru, Arla Foods factory in UK, Evian waters plants, and many others references through our worldwide network of distributors.

EDUCATION - YOUTH



Our large range of professional intercom systems, access control or intruder detection solutions enable establishments to be more secure (schools, university campuses, crèches, etc.) and offer a reassuring environment to children, pupils, teaching staff and visitors.

- Reception intercom systems
- Video integrated solutions (reassurance, aided assistance)
- Access control management for pupils, teachers, personnel, car parks, classrooms, computer, boarding-school and campus areas, etc.
- Application diagram and centralised management of alarm (fire, intrusion), access and communication systems
- Advanced and easily integrated solutions in information or emergency call terminals
- Increased boundary access security
- Lateness management (interfaced with schedule management software)
- IP technology for voice, video and access control management of remote buildings (multi-site complexes)
- Listening intercom systems in crèches (noise detection)
- Disability regulations compliant stations

REFERENCES:

Montélimar Music Conservatory, Ivry Technical College, Chatenay-Malabry Faculty of Pharmacy, IUT Saint Etienne, European Science Foundation Strasbourg, University of Jussieu, National College of Chemistry Physics and Biology Paris, Children's Home (Belle-Ile-en-Mer, Montreuil-Juigné), Léonard de Vinci Mayenne, Marly-le-Roi Secondary Schools, Crèches (Anglet, Château-Gontier, Segré, etc.), Adult Education Centre in Caudry, University of Nantes, University of South Brittany (Université de Bretagne-Sud), Auvergne University, and many others references through our worldwide network of distributors.



THE HOTEL INDUSTRY TOURISM



The various network communications and solutions implemented by CASTEL are guaranteed to be easy to use and reliable for communication and premises security, and offer your clients a quality of service that is essential in the tourist industry.

REFERENCES:

Accor Group Hotels, Hilton Evian Hotel, Méridien Montparnasse Hotel, Lucien Barrière Casino Toulouse, Center Parcs Chamouille, Château des Mesnuls, Tables de France Paris, Le Royal Monceau Paris, Pullman Tour Eiffel Hotel, Mercure Tour Eiffel Hotel, Radisson Blu Brazzaville, B&B Hotels, and many others references through our worldwide network of distributors.

- Visitor welcome intercom systems (day/night)
- Security intercom systems (fire alarms, emergency calls), application diagram and access control management (personnel, car parks, deliveries, etc.)
- Remote control door and barrier opening
- Time programming (lighting, unlocking, intrusion, etc.)
- IP network connection for long range audio, video and data flow and centralised communication with assistance and remote management centres (night calls, for example)
- Video integrated solutions (reassurance, aided assistance)
- Stations tailored to various applications (internal, external, refuge call points, car park access terminals, counter intercom systems, disability regulations compliant, etc.)



RANGES CONVERGENCES

IP INTERCOM

IP ACCESS

XELLIP
Full IP audio video intercommunication

- > Master stations
- > Audio video entry stations and kits
- > Entry stations with reader
- > Servers

Accessibility icons: wheelchair, eye, ear, mouth, and group of people.

CAP IP
Full IP audio video entry stations

- > Audio video entry stations
- > Audio entry stations
- > Entry stations with reader

Accessibility icons: wheelchair, eye, ear, mouth, and group of people.

VDIP Evolution

- > PLC (Programmable Logic Controller)
- > Readers: 125 kHz, 13.56 MHz Mifare, Desfire, biometric, radio, long distance, etc.

TCP/IP

Applications

- > CASTEL SIP
- > XELLIP Media

Soft

- > CASTEL Server
- > CASTEL Supervisor

SECURITY INTERCOM

CASI

- > Centrals
- > Remote consoles
- > Terminals

AN ANSWER FOR EVERY NEED

CONTROL

IPESENS



> Ipesens Duo



> Ipesens Compact

DIGITAL AND ANALOG INTERCOM

MAYLIS professional intercommunication

> Master stations



> Centrals



> Slave stations



Telephone intercom systems

> CAPH entry stations



> PRIT entry stations



> PAD entry stations

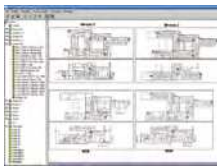


NETWORK

> SIP interface

> IP MAYLIS

ware

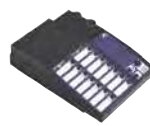


> CASTEL Configurator



> CASTEL Access

PC-PCX professional intercom



> PC master stations



> PCX master stations



> Slave stations

Accessories



> Access control, intrusion, video, columns, etc.

DISABLED PEOPLE ACCESSIBILITY

CASTEL developed solutions allowing to comply with disabled people accessibility regulations in "establishments servicing the public" (French law), which must be able to welcome, inform and ensure the safety of people with disabilities.

WHO IS CONCERNED? APPLICATION DATE (French law)

New "establishments servicing the public"

- The regulation is effective **since January 1st, 2007** :
 - For "establishments servicing the public" new constructions.
 - For "establishments servicing the public" creations by change of use, with or without works.
- Establishments servicing the public" must be accessible to disabled people, whatever their disability. Accessibility obligation concerns outside and inside parts of buildings and installations; and also concerns circulation areas, a part of car park, elevators, premises and their equipment..

Existing "establishments servicing the public" (initial legislation)

- Existing "establishments servicing the public" of categories 1 to 4 (with a building permit dated before the January 1st, 2007) should be accessible **on January 1st, 2015**.
- For existing "establishments servicing the public" of category 5, all services must be provided in a part of the building which is accessible for disabled people, **before January 1st, 2015**.

Acknowledgement / new provisions

- Several buildings do not yet comply with legislation.
- In view of this fact, the government has redefined the procedures for the implementation of this law by creating the Disabled people accessibility regulations (**Ad'AP**) that enable every manager/owner of establishments servicing the public (ERP rules) to pursue or aim at accessibility to his/her establishment from January 1st 2015.
- An order (2014-1090, from September 26 2014) specifies detailed rules for the application of this new program.

Ad'AP underlying principles

- **Ad'AP dossier** must be filled **before September 27 2015** at the ERP implementing town hall (or in particular cases to the Prefect).
- Inform the initiative undertaken to the ERP implementing accessibility commission (commission settled by the Mayor in all municipality of over 5,000 inhabitants. Document must be addressed to the town hall).
- The Disabled people accessibility regulations represent a **work commitment within a set timeframe: up to 3 years** (except in specific cases) for financing and following the accessibility rules.
- **Small establishments servicing the public** (category 5: those with a capacity of reception under 200 people: local businesses, doctor's offices, pharmacies, small municipalities council offices, certain retirement residences...) which represent around 80% of ERPs have 3 years to comply with the standards.
- The delay **for more important infra-structures** (ERPs of categories 1, 2, 3 and 4 or several ERP) can be **of 6 to 9 years**.
- In the **public transport sector** the delay is **3 years at the most** for the urban public transport , **6 years maximum** for non urban public transport and in Ile de France region and **9 years at the most** for public rail transport and in Ile de France region, the transport services using the regional express network lines.

LAW OBLIGATION (French law)

Car park

- Where an access control system or a car park exit exists, the system enables deaf, hearing or speech impaired people to report their presence to the staff and to be informed that their call is taken into account. Individually and with a non-direct view by the staff of those accesses or exits:
 - any signal related to the access system operation must be audible and visual;
 - intercoms are equipped with a system that allows staff to see the driver.
- During installation and renewal, the intercoms include:
 - a magnetic induction current loop complying with described provisions in annex 9 (see Order from December 8 2014). The specifications of NF EN 60118-4:2007 are deemed to comply with those requirements.
 - visual feedback of main orally provided information

Regulations (French law):

Ordinace n° 2014-1090 dated September 26th 2014, Decrees n° 2014-1327 and n° 2014-1326 dated November 5th 2014, Orders dated December 8th 2014 and December 15th 2014, Law n° 2014-789 dated July 10th 2014.



Access to building or installation

- Communication systems between public and staff as well as manually operated systems available to the public shall meet the following requirements:
 - be located more than 0,40 m of the angles of walls or of any other obstacle to a wheelchair approach ;
 - be at a height between 0,90 m and 1,30 m.
- Door opening system is available in «upright» or «seated» position.
- In case of an electric locking device, it must allow disabled people to reach the door and start the opening operation until the door relocks. Door unlock button shall be marked with visual and tactile warnings.
- Any signal related to the access system operation must be audible and visual.
- Where an access control system exists, the system enables deaf, hearing or speech impaired people to report their presence to the staff and to be informed that their call is taken into account. Individually and with a non-direct view by the staff of those accesses intercoms are equipped with a system that allows staff to see the visitor.
- During installation and renewal, the intercoms include:
 - a magnetic induction current loop complying with described provisions in annex 9 (see Order from December 8 2014). The specifications of NF EN 60118-4:2007 are deemed to comply with those requirements;
 - visual feedback of main orally provided information.

Lifts

- A new emergency system must be equipped with visual and audible signs and an existing emergency system undergoing amendments includes:
 - a yellow pictogram in addition to an audio signal that transmits a demand, to indicate that the emergency request was issued.
 - a green pictogram in addition to an audio signal usually requested (voice communication) to indicate that the emergency was registered.
 - communication assistance for hearing impaired people such as a magnetic induction current loop.
- In all cases, audible signals and spoken messages are adjustable between 35 and 65 dB.

CASTEL ANSWER





IP INTERCOM

XELLIP
INTERCOMMUNICATION OVER

CAP IP
IP INTERCOM



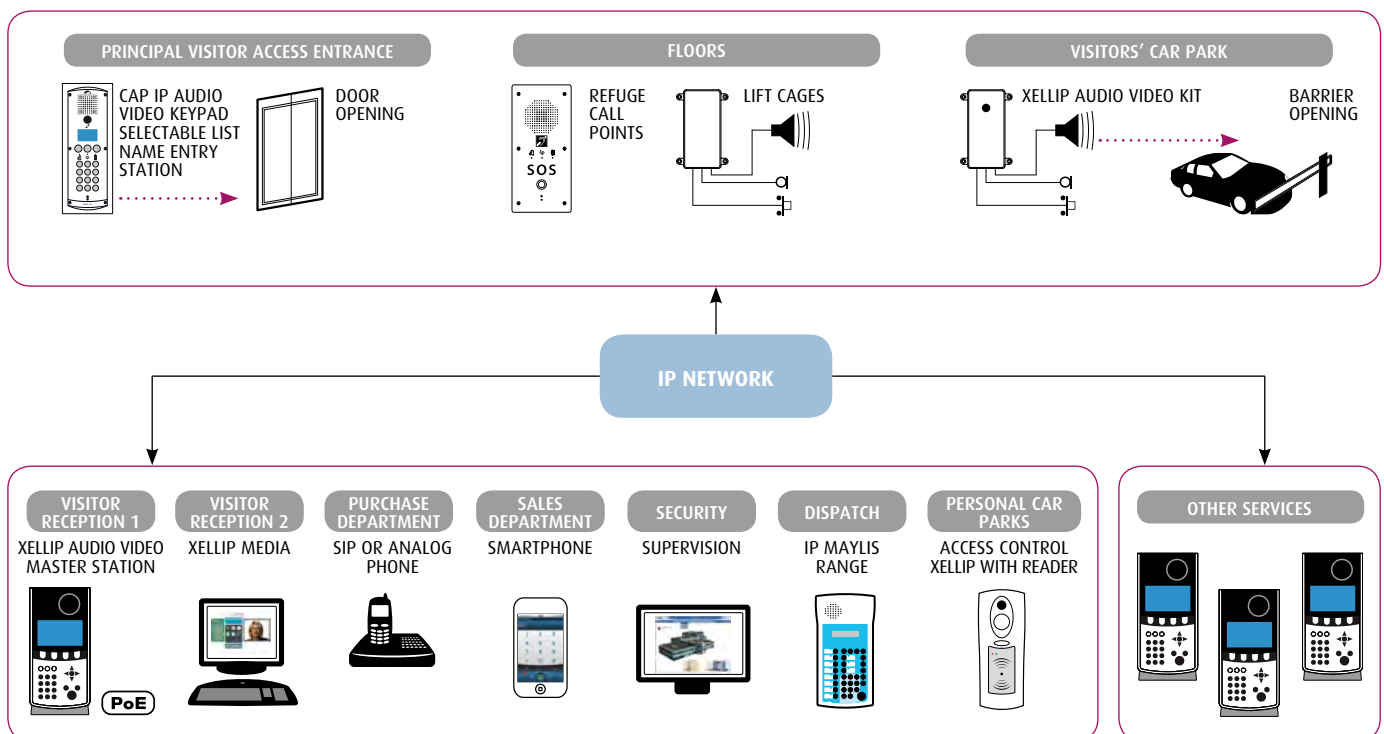
A GLOBAL FULL IP / SIP ACCESS INTERCOM AND AUDIO VIDEO INTERCOMMUNICATION SOLUTION

These solutions benefit from CASTEL's latest developments in IP professional intercom, the result of its constant innovation.



- IP audio video access intercom compliant with disability regulations
- Audio video intercommunication (various IP communications networks)
- Remote control release
- Audio conferencing, group calls, general calls
- Call overflow, call forwarding, call transfer, voice messaging, answerphone, automatic hang-up, privacy mode, do not disturb, call waiting, priority call, presence detection functions, etc. are available
- Time programming by profile (call and directory)
- Audio video backup
- PoE power supply
- Optional: WiFi

SCHEMATIC



INTEROPERABILITY WITH OTHER SYSTEMS OR OTHER CASTEL RANGES

INTERCOMMUNICATION



Supervision software: communications, access control, technical alarms, etc.



Large built-in colour video touch screen on the master station



Castel SIP application for smartphones and tablets

MAIN BENEFITS

A native IP system for direct connection over IP

A single network cable for managing audio, video, data and station power supply (PoE).

User-friendly software for incoming calls.

Acoustic and visual quality

with Full Duplex audio communications including noise and echo cancelling system and colour digital video camera.

SIP technology and interoperability

The use of SIP protocol (RFC3261 standard) and the most common audio and video codec (G711, G722, GSM, H263, H263+, H264) ensure our openness to other systems: IP telephone systems, mobility, supervision, video surveillance, etc.

Total intercommunication

between the different stations over an IP network using the SIP protocol (via a direct SIP link - Stand Alone - or through an SIP Castel server or an IPBX).

A wide range adapted to different environments

Office station with colour video touch screen, selectable list name audio-video entry stations, vandal-proof entry stations, washable station with easy clean surface, audio-video integration kit, entry stations with access control reader, etc.

Easy and user-friendly web interface

for remote configuration of the stations and the servers.

Multi-support call reception

on audio or audio video master stations, on smartphones and tablets with Castel SIP application, on computers with audio video reception software, on SIP phones, on GSM, DECT, analog phones.

A solution compliant with disability regulations

with stations and kits fitted with colour video cameras, three pictograms viewed with coloured LEDs (and / or directly on graphic screen), and audible messages. An induction loop is directly integrated into the CAP IP range intercom stations (possibility to have a remote induction loop for XELLIP range stations) and keypads have buttons with Braille.



MAIN APPLICATIONS

Tertiary industry and industrial buildings sites, hospital centres, car parks, motorway toll booths, harbour zones, HGV access points for logistics sites, office access, day/night calls (hotel chains, chemists, emergency services, etc.), information terminals (pedestrian zones/ vehicle access), retirement homes, laboratories, etc., and numerous other customised applications.





MASTER STATIONS



XE DESK-SCREEN V-P

Audio video Full IP/SIP master station
REF **500.2600**

- 4.3 inch TFT touch screen
- Built-in colour video camera
- Numerical keypad and functions keys
- 4 programmable function keys
- ABS case, wall-mounted or desktop base (zamac)
- IP40 rating
- PoE power supply (or optional external power supply: see p31)
- H 255 mm x W 127 mm x D 47 mm
(with desktop base H 255 mm x W 127 mm x D 155 mm)

XE DESK-SCREEN V-W

Wi Fi version
REF **500.1600**

XE HANDSET-SCREEN V-P

Handset version - PoE
REF **500.5600**

XE HANDSET-SCREEN V-W

Handset version - Wi Fi
REF **500.4600**



XE DESK-GRAPH-P

Audio Full IP/SIP master station
REF **500.2000**

- Graphic display 128x64 backlighting
- Numerical keypad and functions keys
- 4 programmable function keys
- ABS case, wall-mounted or desktop base (zamac)
- IP40 rating
- PoE power supply (or optional external power supply: see p31)
- H 255 mm x W 127 mm x D 47 mm
(with desktop base H 255 mm x W 127 mm x D 155 mm)

XE DESK-GRAPH-W

Wi Fi version
REF **500.1000**

XE HANDSET-GRAPH-P

Handset version - PoE
REF **500.5000**

XE HANDSET-GRAPH-W

Handset version - Wi Fi
REF **500.4000**

STATION FOR MEDICAL SECTOR



XE MED-P

Audio Full IP/SIP master station waterproof with washable surface
REF **540.4000**

- Graphic display 128x64 backlighting
- Numerical keypad and functions keys
- 4 programmable function keys
- Polyester washable surface
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 280 mm x W 130 mm x D 4 mm (flush-mounted with flush box D 47 mm)
H 282.5 mm x W 132.5 mm x D 65 mm
(surface-mounted with optional XEKMED surface box: see p31)

XE MED-W

Wi Fi version
REF **540.4100**

RECEPTION MONITOR (SMALL COMMERCIAL SECTOR / OFFICES)



XE MONITOR-P

Audio video Full IP/SIP reception monitor
REF **500.8000**

- 7 inch TFT touch screen
- 4 function keys
- ABS case, wall-mounted or optional desktop base (ref. 540.8000)
- IP40 rating
- PoE power supply (or optional external power supply: see p31)
- H 169 mm x W 210 mm x D 36 mm
(with desktop base H 195 mm x W 210 mm x D 170 mm)

AUDIO VIDEO ENTRY STATIONS



CAP IP-V1B-P

Audio video Full IP/SIP entry station with 1 call button compliant with disability regulations

REF 560.2000

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface mounted)

CAP IP-V1B-W

Wi Fi version

REF 560.3000



CAP IP-V2B-P

Audio video Full IP/SIP entry station with 2 call buttons compliant with disability regulations

REF 560.2100

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 2 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface mounted)

CAP IP-V2B-W

Wi Fi version

REF 560.3100



CAP IP-V3B-P

Audio video Full IP/SIP entry station with 3 call buttons compliant with disability regulations

REF 560.2200

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 3 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface mounted)

CAP IP-V3B-W

Wi Fi version

REF 560.3200



CAP IP-V4B-P

Audio video Full IP/SIP entry station with 4 call buttons compliant with disability regulations

REF 560.2300

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 4 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface mounted)

CAP IP-V4B-W

Wi Fi version

REF 560.3300



CAP IP-V6B-P

Audio video Full IP/SIP entry station with 6 call buttons compliant with disability regulations

REF 560.2400

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 6 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface mounted)

CAP IP-V6B-W

Wi Fi version

REF 560.3400



CAP IP-V10B-P

Audio video Full IP/SIP entry station with 10 call buttons compliant with disability regulations

REF 560.2500

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 10 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface mounted)

CAP IP-V10B-W

Wi Fi version

REF 560.3500

IP	SIP protocol (RFC 3261)	PoE (IEEE 802.3af)	Full Duplex	Audio Codec : G711 Ulaw/Alaw, GSM, G722	Ethernet connection security with 802.1X protocol	Stations compliant with disability regulations
Wiring: RJ45	DTMF: RFC 2833, SIP INFO	WiFi (IEEE 802.11b/g)	DSP technology	Video codec: CIF/QCIF, H263, H263+, H264	SNMP V1 AND V2C STATIC IP OR DHCP	Stations with integrated web interface



PAD IP VIDEO-1B-P

Audio video Full IP/SIP entry station with selectable list name and 1 call button compliant with disability regulations
REF 560.5000

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 1 call button and label
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- 3 leds for disability regulations (or visualisation on graphic screen)
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

PAD IP VIDEO-1B-W

Wi Fi version
REF 560.5500



PAD IP VIDEO-3B-P

Audio video Full IP/SIP entry station with selectable list name and 3 call buttons compliant with disability regulations
REF 560.5100

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 3 call buttons and labels
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- 3 leds for disability regulations (or visualisation on graphic screen)
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

PAD IP VIDEO-3B-W

Wi Fi version
REF 560.5600



CAP IP-V1B-CLAV-P

Audio video Full IP/SIP entry station with 1 call button and keypad compliant with disability regulations
REF 560.2600

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 1 call button and label
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK08 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-V1B-CLAV-W

Wi Fi version
REF 560.3600



PAD IP VIDEO-CLAV-P

Audio video Full IP/SIP entry station with selectable list name and keypad compliant with disability regulations
REF 560.5200

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- 3 leds for disability regulations (or visualisation on graphic screen)
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

PAD IP VIDEO-CLAV-W

Wi Fi version
REF 560.5700



CAP IP-V1B-P HT 280

Audio video Full IP/SIP entry station with 1 call button compliant with disability regulations
REF 560.2020

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 280 mm x W 130 mm x D 2 mm (flush-mounted with flush box D 47 mm)
H 282,5 mm x W 132,5 mm x D 65 mm (surface-mounted with optional surface box ref. 440.3100)



XE D-V1B-P

Audio video Full IP/SIP entry station with 1 call button
REF 520.2500

- Vandal proof conception - Zamac front panel
- Built-in colour video camera
- 1 call button
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE D-V1B-W

Wi Fi version
REF 520.1500



XE D-V3B-P

Audio video Full IP/SIP entry station with 3 call buttons

REF **510.2600**

- Vandal proof conception - Zamac front panel
- Built-in colour video camera
- 3 call buttons and labels
- 3 leds for disability regulations
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
- H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE D-V3B-W

Wi Fi version

REF **510.1600**



XE SEL-V3B-P

Audio video Full IP/SIP entry station with selectable list name and 3 call buttons

REF **510.2700**

- Vandal proof conception - Zamac front panel
- Built-in colour video camera
- 3 call buttons and labels
- 3 leds for disability regulations
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- IP 65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
- H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE SEL-V3B-W

Wi Fi version

REF **510.1700**



XE CLAV-V-P

Audio video Full IP/SIP entry station with selectable list name and keypad

REF **510.2900**

- Vandal proof conception - Zamac front panel
- Built-in colour video camera
- Numerical keypad for direct dial or access code
- 3 leds for disability regulations
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
- H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE CLAV-V-W

Wi Fi version

REF **510.1900**

ENTRY STATION WITH TWO-WAY VIDEO



CAP IP-V1B-SCREEN-P

Audio video Full IP/SIP entry station with 1 call button and two-way video compliant with disability regulations

REF **565.2000**

- Stainless steel 316 L vandal proof front panel
- 4.3 inch colour screen
- Built-in colour video camera
- 1 call button illuminated
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 280 mm x W 170 mm x D 2 mm (flush-mounted with flush box D 47 mm)
- H 282,5 mm x W 172,5 mm x D 65 mm (surface-mounted with surface box)





AUDIO ENTRY STATIONS



CAP IP-1B-P

Audio Full IP/SIP entry station with 1 call button compliant with disability regulations
REF 560.0000

- Stainless steel 316 L vandal proof front panel
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP65 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-1B-W

Wi Fi version
REF 560.1000



CAP IP-2B-P

Audio Full IP/SIP entry station with 2 call buttons compliant with disability regulations
REF 560.0100

- Stainless steel 316 L vandal proof front panel
- 2 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP65 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-2B-W

Wi Fi version
REF 560.1100



CAP IP-3B-P

Audio Full IP/SIP entry station with 3 call buttons compliant with disability regulations
REF 560.0200

- Stainless steel 316 L vandal proof front panel
- 3 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP65 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-3B-W

Wi Fi version
REF 560.1200



CAP IP-4B-P

Audio Full IP/SIP entry station with 4 call buttons compliant with disability regulations
REF 560.0300

- Stainless steel 316 L vandal proof front panel
- 4 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP65 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-4B-W

Wi Fi version
REF 560.1300



CAP IP-6B-P

Audio Full IP/SIP entry station with 6 call buttons compliant with disability regulations
REF 560.0400

- Stainless steel 316 L vandal proof front panel
- 6 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP65 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-6B-W

Wi Fi version
REF 560.1400



CAP IP-10B-P

Audio Full IP/SIP entry station with 10 call buttons compliant with disability regulations
REF 560.0500

- Stainless steel 316 L vandal proof front panel
- 10 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP65 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-10B-W

Wi Fi version
REF 560.1500



PAD IP AUDIO-1B-P

Audio Full IP/SIP entry station with selectable list name and 1 call button compliant with disability regulations
REF 560.4000

- Stainless steel 316 L vandal proof front panel
- 1 call button and label
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- 3 leds for disability regulations (or visualisation on graphic screen)
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

PAD IP AUDIO-1B-W

Wi Fi version
REF 560.4500



PAD IP AUDIO-3B-P

Audio Full IP/SIP entry station with selectable list name and 3 call buttons compliant with disability regulations
REF 560.4100

- Stainless steel 316 L vandal proof front panel
- 3 call buttons and labels
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- 3 leds for disability regulations (or visualisation on graphic screen)
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

PAD IP AUDIO-3B-W

Wi Fi version
REF 560.4600



CAP IP-1B-CLAV-P

Audio Full IP/SIP entry station with 1 call button and keypad compliant with disability regulations
REF 560.0600

- Stainless steel 316 L vandal proof front panel
- 1 call button and label
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK08 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-1B-CLAV-W

Wi Fi version
REF 560.1600



PAD IP AUDIO-CLAV-P

Audio Full IP/SIP entry station with selectable list name and keypad compliant with disability regulations
REF 560.4200

- Stainless steel 316 L vandal proof front panel
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- 3 leds for disability regulations (or visualisation on graphic screen)
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

PAD IP AUDIO-CLAV-W

Wi Fi version
REF 560.4700



CAP IP-1B-P HT 280

Audio Full IP/SIP entry station with 1 call button compliant with disability regulations
REF 560.0020

- Stainless steel 316 L vandal proof front panel
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 280 mm x W 130 mm x D 21 mm (flush-mounted with flush box D 47 mm)
H 282,5 mm x W 132,5 mm x D 65 mm (surface-mounted with optional surface box ref. 440.3100)



XE D-1B-P

Audio Full IP/SIP entry station with 1 call button
REF 520.2000

- Vandal proof conception - Zamac front panel
- 1 call button
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE D-1B-W

Wi Fi version
REF 520.1000





XE D-3B-P

Audio Full IP/SIP entry station with 3 call buttons
REF **510.2100**

- Vandal proof conception - Zamac front panel
- 3 call buttons and labels
- 3 leds for disability regulations
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE D-3B-W

Wi Fi version
REF **510.1100**



XE SEL-3B-P

Audio Full IP/SIP entry station with selectable list name and 3 call buttons
REF **510.2200**

- Vandal proof conception - Zamac front panel
- 3 call buttons and labels
- 3 leds for disability regulations
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE SEL-3B-W

Wi Fi version
REF **510.1200**



XE CLAV-P

Audio Full IP/SIP entry stations with selectable list name and keypad
REF **510.2500**

- Vandal proof conception - Zamac front panel
- Numerical keypad for direct dial or access code
- 3 leds for disability regulations
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE CLAV-W

Wi Fi version
REF **510.1500**



XE P-1B-P V2

Audio Full IP/SIP entry station with 1 call button
REF **530.2100**

- Stainless steel 316 L vandal proof front panel
- 1 call button
- IP54 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 230 x W 110 mm x D 2 mm (flush-mounted with flush box D 55 mm)
H 233 mm x W 113 mm x D 67 mm (surface-mounted with surface box)

XE P-1B-W V2

Wi Fi version
REF **530.1100**

ENTRY STATIONS WITH ACCESS CONTROL READER



CAP IP-V1B-PROX/C

Audio video Full IP/SIP entry station with 1 call button compliant with disability regulations with reader proximity 125 kHz
REF 560.6500

- Stainless steel 316 L vandal proof front panel
- Reader 125 kHz and 2 leds (green: authorised access, red: refused access)
- Built-in colour video camera
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-V1B-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 560.6600

CAP IP-V1B-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 560.6700

CAP IP-V1B-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 560.6800



CAP IP-1B-PROX/C

Audio Full IP/SIP entry station with 1 call button compliant with disability regulations with reader proximity 125 kHz
REF 560.6000

- Stainless steel 316 L vandal proof front panel
- Reader 125 kHz and 2 leds (green: authorised access, red: refused access)
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

CAP IP-1B-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 560.6100

CAP IP-1B-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 560.6200

CAP IP-1B-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 560.6300



PAD IP VIDEO-PROX/C

Audio video Full IP/SIP entry station with selectable list name compliant with disability regulations and proximity reader 125 kHz
REF 560.7500

- Stainless steel 316 L vandal proof front panel
- Reader 125 kHz and 2 leds (green: authorised access, red: refused access)
- Built-in colour video camera
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- 3 leds for disability regulations (or visualisation on graphic screen)
- Integrated induction loop
- IP65 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

PAD IP VIDEO-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 560.7600

PAD IP VIDEO-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 560.7700

PAD IP VIDEO-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 560.7800



PAD IP AUDIO-PROX/C

Audio Full IP/SIP entry station with selectable list name compliant with disability regulations and proximity reader 125 kHz
REF 560.7000

- Stainless steel 316 L vandal proof front panel
- Reader 125 kHz and 2 leds (green: authorised access, red: refused access)
- 3 keys for selectable list name
- Graphic display 128x64 backlighting
- 3 leds for disability regulations (or visualisation on graphic screen)
- Integrated induction loop
- IP65 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

PAD IP AUDIO-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 560.7100

PAD IP AUDIO-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 560.7200

PAD IP AUDIO-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 560.7300





ENTRY STATIONS WITH ACCESS CONTROL READER



XE D-V1B-PROX/C

Audio video Full IP/SIP entry station with 1 call button and proximity reader 125 kHz

REF **510.3500**

- Vandal proof conception
- Reader 125 kHz and 2 leds (green: authorised access, red: refused access)
- Built-in colour video camera
- Zamac front panel
- 1 call button and 3 leds for disability regulations
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
- H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE D-V1B-MI/C

Version with reader 13.56 MHz Mifare® serial number

REF **510.3600**

XE D-V1B-MIS/C

Version with reader 13.56 MHz Mifare® sector

REF **510.3700**

XE D-V1B-DES

Version with reader 13.56 MHz Mifare® Desfire®

REF **510.3800**



XE D-1B-PROX/C

Audio Full IP/SIP entry station with 1 call button and proximity reader 125 kHz

REF **510.3000**

- Vandal proof conception
- Reader 125 kHz and 2 leds (green: authorised access, red: refused access)
- Zamac front panel
- 1 call button and 3 leds for disability regulations
- IP65 rating
- PoE power supply (or optional external power supply: see p31)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
- H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE D-1B-MI/C

Version with reader 13.56 MHz Mifare® serial number

REF **510.3100**

XE D-1B-MIS/C

Version with reader 13.56 MHz Mifare® sector

REF **510.3200**

XE D-1B-DES

Version with reader 13.56 MHz Mifare® Desfire®

REF **510.3300**

INTERCOM SYSTEMS FOR CALL POINTS (TRANSPORTATION, CAR PARK ...) / REFUGE CALL POINTS



XE P-2B-HELP

Audio Full IP/SIP entry station with 2 call buttons and induction loop

REF **530.7100**

- Vandal proof conception
- Stainless steel front panel
- 2 call buttons with Braille inscription
- 2 leds for disability regulations
- Integrated induction loop
- IP65 - IK07 rating
- PoE power supply (or optional external power supply: see p31)
- H 400 x W 130 mm x D 2 mm (flush mounted)



XE P-1B-HELP

Audio Full IP/SIP entry station with 1 call button and induction loop

REF **530.7000**

- Vandal proof conception
- Stainless steel front panel
- 1 call button illuminated
- SOS inscription
- 3 leds for disability regulations
- Integrated induction loop
- IP66 rating
- PoE power supply (or optional external power supply: see p31)
- H 280 mm x W 130 mm x D 2 mm (flush-mounted with flush box D 47 mm)
- H 282.5 mm x W 132.5 mm x D 65 mm (surface-mounted with surface box)

CASTEL has many intercom stations references for call points and can also make specific developments in order to fit your needs as closely as possible.

INTERCOM SYSTEMS FOR PRISONS

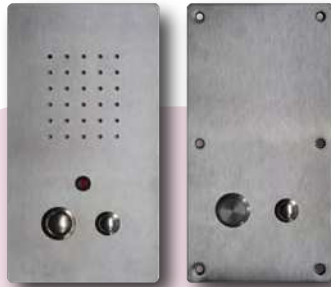


XE P-1B-CELL1

Audio Full IP/SIP intercom stations
- cell /corridor

REF 101270

- Composed by one cell station and one corridor station
- Vandal proof conception, stainless steel front panel
- 1 call button with signalisation led, 2 light buttons (cell and shower) on the cell station
- 1 acknowledgement button and 1 light button (night-light) on the corridor station
- IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 220 mm x W 120 mm x D 2 mm (flush mounted - flush mounting D: cell station 45 mm - corridor station 60 mm)



XE P-1B-CELL2

Audio Full IP/SIP intercom stations
- cell /corridor

REF 101271

- Composed by one cell station and one corridor station
- Vandal proof conception, stainless steel front panel
- 1 call button with signalisation led, 1 light button on the cell station
- 1 acknowledgement button and 1 light button on the corridor station
- IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 210 mm x W 110 mm x D 2 mm (flush mounted - flush mounting D: cell station 70 mm - corridor station 35 mm)



XE P-1B-CELL3

Audio Full IP/SIP intercom stations
- cell /corridor

REF 101272 AND 101273

- Composed by one cell station and one corridor station
- Vandal proof conception, stainless steel front panel
- 1 call button with signalisation led on the cell station
- 1 acknowledgement lock and 1 light button (night-light) on the corridor station
- IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 190 mm x W 70 mm x D 2 mm (flushed mounted - flush mounting D: cell station 128 mm - corridor station 40 mm)



XE K-1B-CELL

Audio Full IP/SIP intercom kit
- cell /corridor

REF 101274

- Kit with board on steel plate
- 1 call button with signalisation led, 1 acknowledgement remote button on the corridor side
- Light buttons holes (cell and corridor sides)
- PoE power supply (or optional external power supply: see p31)
- H 200 mm x W 96 mm x D 56 mm



XE P-1B LIAISON V2

Audio Full IP/SIP intercom system
for access intercom (corridor grids)

REF 530.3100

- Stainless steel 316 L vandal proof front panel
- 1 call button with signalisation led
- IP54 - IK09 rating
- PoE power supply (or optional external power supply: see p31)
- H 230 x W 110 mm x D 2 mm (flush-mounted with flush box D 55 mm)
H 233 mm x W 113 mm x D 67 mm (surface-mounted with surface box)

CASTEL developed around fifty intercom stations and door frame intercom kits, to answer all the prisons needs (cell, security and access intercom, counter intercom, visiting rooms intercom, etc.).



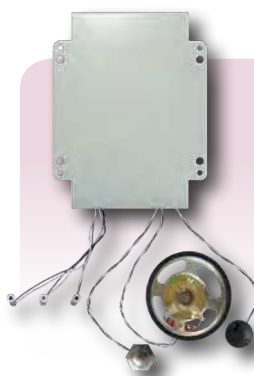
KITS



XE K-V1B-P

Audio video Full IP/SIP intercom kit
REF 540.5700

- Kit with board integrated in a steel case
- Built-in colour video camera (possibility to move camera mounting from a distance of 60 cm on request)
- Remote microphone, loudspeaker and call button
- 3 leds for disability regulations
- IP40 rating
- PoE power supply (or optional external power supply: see p31)
- H 137 mm x W 105 mm x D 44 mm



XE K-1B 3 LEDS

Audio Full IP/SIP intercom kit
REF 540.5750

- Kit with board integrated in a steel case
- Remote microphone, loudspeaker and call button
- 3 leds for disability regulations
- IP40 rating
- PoE power supply (or optional external power supply: see p31)
- H 137 mm x W 105 mm x D 44 mm



XE K-1B-LIAISON

Audio Full IP/SIP intercom kit with illuminated call button
REF 540.5300

- Kit with board integrated in a steel case
- Remote microphone, loudspeaker and call button
- Illuminated call button (visual indication: idle state, call in progress or communication)
- IP40 rating
- PoE power supply (or optional external power supply: see p31)
- H 137 mm x W 105 mm x D 33 mm



XE K-ASC-P

Audio Full IP/SIP intercom kit for lifts
REF 570.0000

- Lift standards compliant EN 81-28
- Kit with board integrated in a steel case
- Remote microphone, integrated loudspeaker (remote loudspeaker possibility)
- Induction loop
- IP40 rating
- PoE power supply (or optional external power supply: see p31)
- H 272 mm x W 105 mm x D 40,5 mm

SERVERS



XELLIP SERVEUR MAX

Multifunction intercom server
REF 540.0100

- Allows to manage up to 1000 SIP extensions
- Advanced functions (call groups, call zones, paging groups, conference, etc.)
- Audio and video backup
- SIP Trunk (interconnection of 2 SIP systems)
- Castel technical support contract available for 2 years to the final client (free the first year - material warranty - and service fee the second year)
- H 43 mm x W 426 mm x D 356 mm (rackable 1U black metallic case)



XELLIP ROUTEUR

20 stations router server
REF 540.0000

- Allows to manage up to 20 SIP stations (configuration, visualisation)
- Management of audio et video calls
- Advanced functions (call groups, call zones, paging groups, overflowing)
- SIP Trunk (interconnection of 2 SIP systems)
- PoE power supply (or optional external power supply: see p31)
- H 137 mm x W 105 mm x D 33 mm

XELLIP SERVEUR MAX VIRTUEL

Virtual multifunction intercom server, with advanced functions (call groups, call zones, paging groups, conference, SIP Trunk, audio backup, etc.) - VMware compatible
REF 540.1400

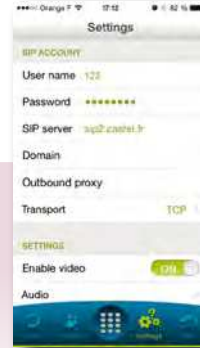
SOFTWARE AND INTERFACES



XELLIP MÉDIA

SIP audio video reception interface
REF 540.1000

- This Softphone transforms your PC into a complete SIP station
- Audio video communication with XELLIP or CAP IP range stations, or any other intercom system supporting the SIP protocol
- Recording on a SIP server or working in Stand-Alone
- Advanced functions (call transfer, call forwarding, automatic hang-up, management of a SIP contact directory, possibility to manage a webcam, remote control release)



CASTEL SIP APPLICATION

SIP audio-video intercom application for Smartphones and tablets (iPhone®, iPad® and Android®): for more details, please see next page.



XELLIP TRANSFER

IP interface to analog telephone
REF 540.2000



CASTEL SUPERVISOR

Supervision software
REF 110.8300

- Visualise and archive events as communication, incoming /outgoing call, call waiting, relay state, forwarding state
- Visualisation towards synoptic and/or continuous feed
- Call forwarding regarding time slots
- Compatibility with Windows XP, 7, Server 2003, Server 2008
- Compatibility with Oracle et SQL Server database
- Multiuser software (no station licence) on a fully secured internet connection

INDUCTION LOOP



INDUCTION LOOP

Remote induction loop (integrated in ABS case and stainless steel front panel).
Power supply 24V (see below)
REF 540.3100

ACCESSORIES AND POWER SUPPLIES

KIT GRIFFES

Mounting kit for installation on plasterboard (with ABS flush-mounting box) - for XE D, XE SEL, XE CLAV intercom stations
REF 540.9000



XEKMED

Surface mounted kit for XE MED station
REF 540.4400



A24V-0A7-F

Power supply 24VDC 1A - wire plug
REF 110.9000



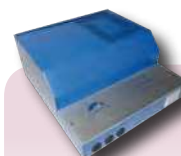
A24V-2A

Cutting power supply on din track 24VDC 2A
REF 110.9100



A24V-0A7-J

Power supply 24VDC 1A - Jack plug
REF 540.6000



A24V-3A-S

24VDC 3A saved power supply - battery 2.1 Ah
REF 440.4900-1

KIT GRIFFES

Mounting kit for installation on plasterboard - for CAP IP and PAD IP intercom stations
REF 560.9000

CEINTURE 250

Stainless-steel anti-tear housing (surface-mounting) for CAP IP intercom stations - H 250 mm
REF 560.9200

CEINTURE 350

Stainless-steel anti-tear housing (surface-mounting) for CAP IP and PAD IP intercom stations - H 350 mm
REF 560.9300





SIP audio-video intercom for Smartphones and tablets (CASTEL SIP)

With Castel SIP App, SIP audio and video intercom softphone for Smartphones and tablets (iPhone®, iPad® or Android®), receive calls from your door entry station and open the door, wherever you are.

To enter the world of the SIP mobility ...

1 Choose your Pack

Pre-set door entry station to call Smartphone(s)
SIP extensions
Check the available packs on next pages

2 Download the Castel SIP application

Available for free downloading on App Store and Google Play platform

3 Configure the application on Smartphone(s)

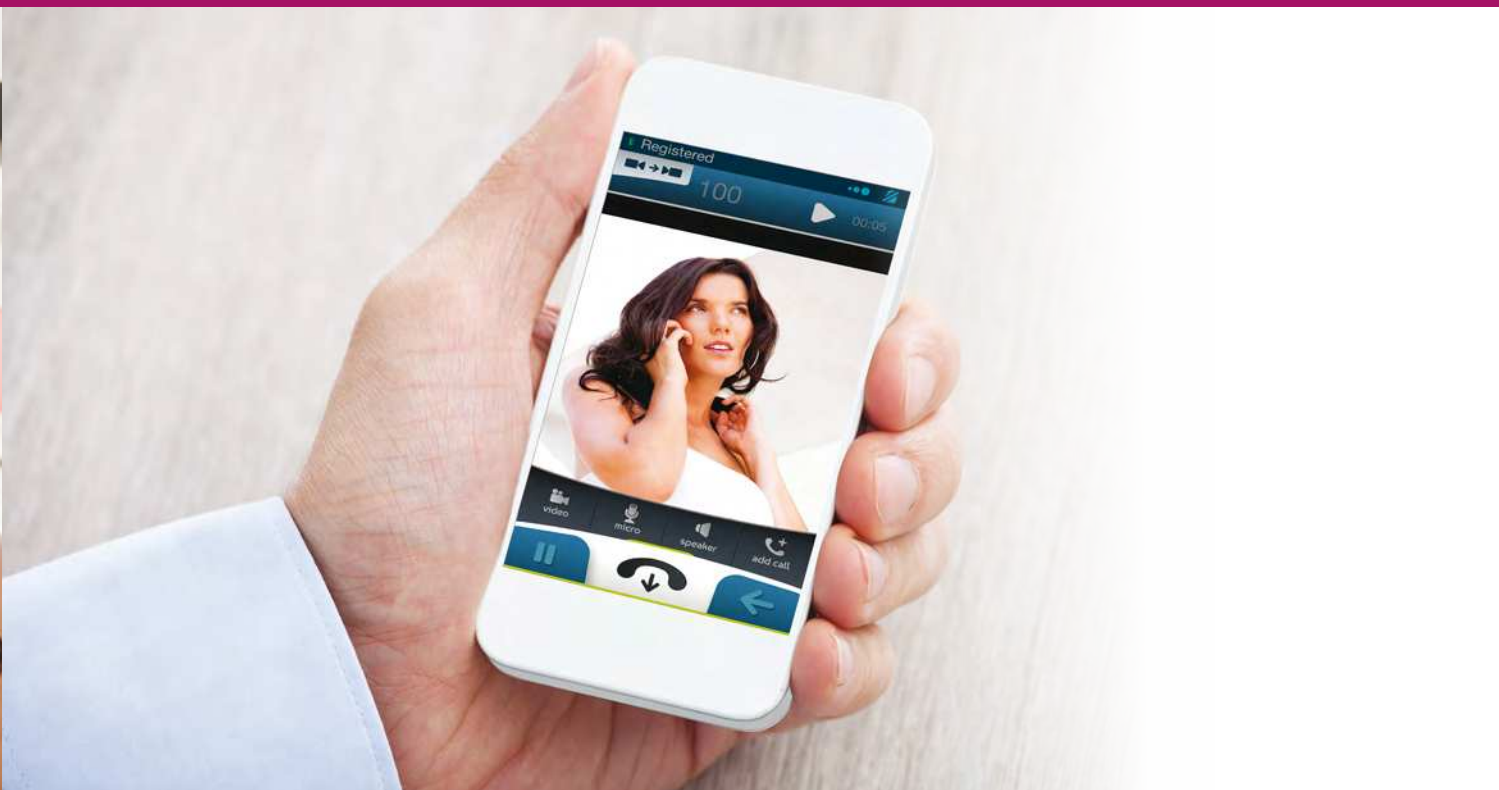
User-friendly setting up (intuitive manual provided)
Benefit of 1 hour telephone assistance (included into the pack)

4 Send back your contract

To activate your account on our hosted SIP server

... very simple !





A complete packaged “out-of-the-box” solution



IP DOOR ENTRY STATION
Audio video Full IP/SIP door entry station (exist in different versions)



SIP EXTENSIONS
SIP extensions for door entry station and for Smartphone(s)



SIP HOSTING
Configuration hosted on our servers



SETTING UP
Door entry station pre-set by Castel



ASSISTANCE
1 hour telephone assistance



CASTEL SIP APPLICATION
SIP audio video intercom softphone for Smartphones and tablets



SCHEMATIC



(1) In case of a rejected call or non-reception, it is possible to leave a voice mail message on an answering machine which comes directly to the contacted person's mailbox (audio file attached).

(2) Under iOS, a mechanism called Push Notification allows the user to be notified when a call is coming in if the application is not active, offering a best guarantee to reach the correspondent.

AVAILABLE PACKS



CASTEL SIP PACK V1B

Audio video Full IP/SIP door entry station with 1 call button - compliant with disability regulations - PoE power supply

2 SIP extensions: for the door entry station and for the Smartphone or tablet (including a 2 year subscription)

Door entry station pre-set by Castel + 1 hour telephone assistance
REF **560.8000**



CASTEL SIP PACK V2B

Audio video Full IP/SIP door entry station with 2 call buttons - compliant with disability regulations - PoE power supply

3 SIP extensions: for the door entry station and for two Smartphones or tablets (including a 2 year subscription)

Door entry station pre-set by Castel + 1 hour telephone assistance
REF **560.8100**



CASTEL SIP PACK V3B

Audio video Full IP/SIP door entry station with 3 call buttons - compliant with disability regulations - PoE power supply

4 SIP extensions: for the door entry station and for three Smartphones or tablets (including a 2 year subscription)

Door entry station pre-set by Castel + 1 hour telephone assistance
REF **560.8200**



CASTEL SIP PACK V4B

Audio video Full IP/SIP door entry station with 4 call buttons - compliant with disability regulations - PoE power supply

5 SIP extensions: for the door entry station and for four Smartphones or tablets (including a 2 year subscription)

Door entry station pre-set by Castel + 1 hour telephone assistance
REF **560.8300**



CASTEL SIP PACK VPAD

Audio video Full IP/SIP door entry station with selectable list name and 1 call button - compliant with disability regulations - PoE power supply

10 SIP extensions: for the door entry station and for nine Smartphones or tablets (including a 2 year subscription)

Door entry station pre-set by Castel + 1 hour telephone assistance
REF **560.8400**



CASTEL SIP PACK V1B CLAV

Audio video Full IP/SIP door entry station with 1 call button and keyboard - compliant with disability regulations - PoE power supply

2 SIP extensions: for the door entry station and for the Smartphone or tablet (including a 2 year subscription)

Door entry station pre-set by Castel + 1 hour telephone assistance
REF **560.8700**



CASTEL SIP PACK V1B MI/C

Audio video Full IP/SIP door entry station with 1 call button and Mifare reader - compliant with disability regulations - PoE power supply + 5 Mifare key-rings

2 SIP extensions: for the door entry station and for the Smartphone or tablet (including a 2 year subscription)

Door entry station pre-set by Castel + 1 hour telephone assistance
REF **560.8800**



CASTEL SIP PACK 1EXT

1 additional SIP extension (included a 2 year subscription - only with the above 7 packs and opposite)

REF **560.8500**

ACCESSORIES (OPTIONAL)

Stainless-steel anti-tear housing (surface-mounting) for door entry stations 250 mm height (door entry stations from 1 to 4 calling buttons)

REF **560.9200**

Stainless-steel anti-tear housing (surface-mounting) for door entry stations 350 mm height (door entry stations with selectable list name, with keyboard, with reader)

REF **560.9300**

A24V-0A7-F

Power supply 24VDC 1A wire plug: if the door entry station is not PoE powered

REF **110.9000**

A24V-2A

Cutting power supply on din track 24VDC 2A: if the door entry station is not PoE powered

REF **110.9100**



DIGITAL AND ANALOG INTERCOM

maylis



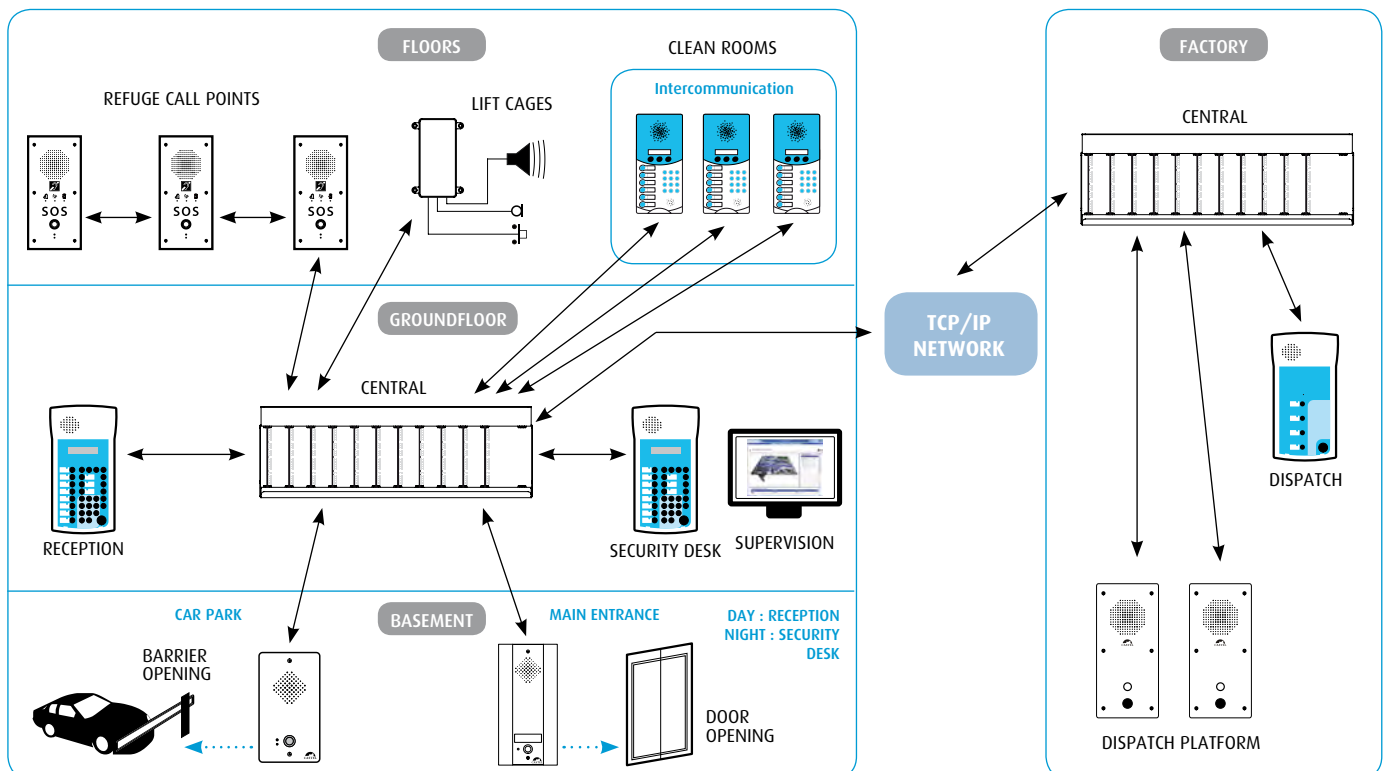
INTERCOMMUNICATION FLEXIBILITY COMBINED WITH MULTI-NETWORK STRENGTH

Maylis is a complete bus/star network connection intercommunication system which uses the latest digital techniques that are the result of CASTEL's 40 years' experience to respond to the most diverse requirements.



- Complete intercommunication between stations using simplex, half-duplex and full duplex formats
- Programmed touch or keypad calling
- Call multi-functions: group calls, general calls, call privacy, priority management, call waiting, forwarding, automatic redial, busy over-ride, «do not disturb», «follow me», conferencing, transfers, etc.
- Local or remote control (barriers, release, etc.)
- Level adjustment (phone and ring tone)
- Line monitoring
- PC application diagrams and configuration
- Centrals network connection
- Selectable list name index with alphanumeric display and direct dialling
- IP Maylis: remote site IP interfacing, SIP telephone network connection, VDIP Evolution range and XELLIP, CAP IP entry stations compatible
- Optional: telephone forwarding, messaging service, sound diffusion (music, alarms, etc.), ambient noise detection, etc.

SCHEMATIC



MAIN BENEFITS

CASTEL's bus-star authorised network connections, expertise and intercom strong points

Strength communication, flexible, easy to install, use and update, large range of peripherals (office stations, entry stations, industrial stations, water proof, easy to clean, disability regulations compliant stations, etc.).

Digital technology

System resources

Total intercommunication (more than 1,000 stations), 20 simultaneous communication networks, remote station supply.

Tailor made maintenance

A rack with standard cards, detection and line fault signalling, programming and installation monitoring on a computer.

Multi-network

Coupling, optical links, IP centrals interfacing with video multiplexer, people seeking, options for creating communication sub-networks with priority call management.

Intra-departmental communication security

System opening

With its multi-protocol IP/SIP management, Maylis can interface with SIP telephones, as well as with stations in the XELLIP, CAP IP and VDIP Evolution ranges.

Software and configuration

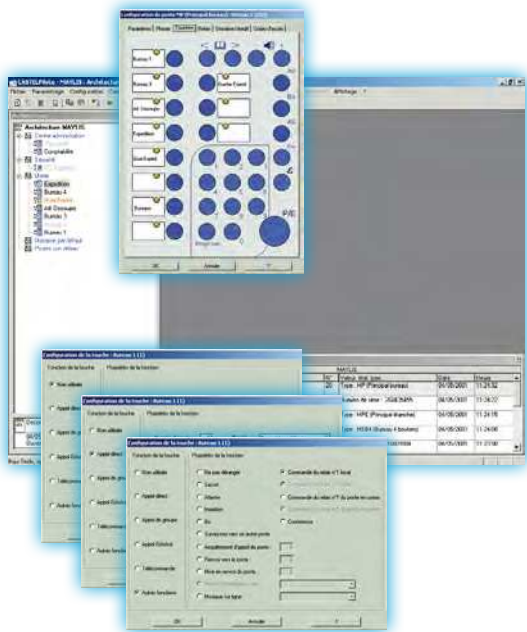
This is developed entirely around Microsoft's latest technologies. Works with Windows 98/Me/2000/XP/Vista/Seven.

> Software functionality:

- configured to various network units (central, card, station, etc.)
- station configuration
- station testing
- impact of station and network connection configuration
- history functions
- station emulation
- network connection backup
- shared access network connection

IP/SIP interface

- > Audio compression for a band width of between 70 to 180 Kbits
- > Web browsers used: Internet Explorer, Firefox, Chrome, etc.
- > Roaming stainless steel box with Ethernet compatible LED connection, an audio network, a RS 485 connection to Maylis intercom units
- > Remote downloading for updating software
- > Secure IP links (HTTPS)
- > Wall mounted or on DIN track
- > IP interface runs on DHCP or fixed IP



Configuration software (Castel Pilot)



CASTEL Supervisor

MAIN APPLICATIONS

Access, security and service intercom (intercommunication): tertiary industry and industrial sites, hospital centres, retirement homes, laboratories, industrial kitchens, high-rise buildings, public buildings, car parks, motorway toll booths, ports, theatres, lifts, fold-away city terminals, military sites, prisons, etc., and numerous other customised applications.





MASTER STATIONS



MP
Maylis master station
REF 440.2000-1

- Desktop or wall mount station
- LCD display (2 lines x 16 characters)
- Numeric keypad and functions keys
- 11 keys and 1 programmable relay
- ABS case
- IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 265 mm x W 138 mm x D 70 mm



MPP
Maylis master station build-in version
REF 440.2100-1

- Flush or surface mounted
- LCD display (2 lines x 16 characters)
- Numeric keypad and functions keys
- 11 keys and 1 programmable relay
- Anodized aluminium front panel
- IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 280 mm x W 170 mm x D 2 mm (flush-mounted with flush box D 47 mm)
H 282.5 mm x W 172.5 mm x D 65 mm (surface-mounted with optional MKSP surface box: see p44)



MPE
Maylis master station waterproof version
REF 440.2200-1

- Flush or surface mounted
- LCD display (2 lines x 16 characters)
- Numeric keypad and functions keys
- 11 keys and 1 programmable relay
- Stainless steel polished front panel
- IP66 rating
- 15V to 30V power supply (through central or external: see p45)
- H 280 mm x W 170 mm x D 2 mm (flush-mounted with flush box D 47 mm)
H 282.5 mm x W 172.5 mm x D 65 mm (surface-mounted with surface box)

MPE ENV BRUYANT

Maylis master station waterproof version with gooseneck microphone and noise canceling board integrated - for noisy environment
REF 440.2220



MED
Waterproof Disinfectant-resistant Maylis master station
REF 440.2300-1

- Flush or surface mounted
- LCD display (2 lines x 16 characters)
- Numeric keypad and functions keys
- 6 keys and 1 programmable relay
- Disinfectant-resistant polyester front panel
- IP64 rating
- 15V to 30V power supply (through central or external: see p45)
- H 280 mm x W 130 mm x D 2 mm (flush-mounted with flush box D 47 mm)
H 282.5 mm x W 132.5 mm x D 65 mm (surface-mounted with optional MKMED surface box: see p44)



MAI
Waterproof scrolling name Maylis station
REF 440.2700

- Flush or surface mounted
- LCD display (2 lines x 16 characters)
- Numeric keyboard
- 1 programmable relay
- Stainless steel polished front panel
- IP64 rating
- 15V to 30V power supply (through central or external: see p45)
- H 280 mm x W 130 mm x D 2 mm (flush-mounted with flush box D 48 mm)
H 282.5 mm x W 132.5 mm x D 60 mm (surface-mounted with surface box)

Digital	Bus and/or star wiring	Intern or distant remote control (barrier, door release)	Full Duplex Half Duplex Simplex	IP interface (IP Maylis)	XELLIP, CAP IP, VDIP Evolution compatible	Stations compliant with disability regulations
Wiring: 3 pairs 9/10	Full intercommunication between all stations	Lines monitoring	DSP technology	SIP compatible	Configuration software	Supervision software

SLAVE STATIONS



MSB4

4 keys Maylis slave station
REF [440.2400-1](#)

- Desktop or wall mount station
- Numeric keypad and functions keys
- 4 programmable keys
- 1 programmable relay
- ABS case
- IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 265 mm x W 138 mm x D 70 mm



MSP4

4 keys Maylis build-in slave station
REF [440.2500-1](#)

- Flush or surface mounted
- Numeric keypad and functions keys
- 4 programmable keys
- 1 programmable relay
- Anodized aluminium front panel
- IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 280 mm x W 170 mm x D 2 mm (flush-mounted with flush box D 47 mm)
- H 282.5 mm x W 172.5 mm x D 65 mm (surface-mounted with optional MKSP surface box: see p44)



MSE1

1 call button waterproof Maylis slave station
REF [440.1900-1](#)

- Flush or surface mounted
- 1 call button
- 1 programmable relay
- 8 Watts HP power
- Stainless steel polished front panel
- IP66 rating
- 15V to 30V power supply (through central or external: see p45)
- H 280 mm x W 130 mm x P D mm (flush-mounted with flush box D 47 mm)
- H 282.5 mm x W 132.5 mm x D 65 mm (surface-mounted with surface box)

MSE1 ENV BRUYANT

1 call button waterproof Maylis slave station with noise canceling board integrated - for noisy environment
REF [440.1920](#)



MSE4

4 keys waterproof Maylis slave station
REF [440.2600-1](#)

- Flush or surface mounted
- 4 programmable keys
- 1 programmable relay
- Stainless steel polished front panel
- IP66 rating
- 15V to 30V power supply (through central or external: see p45)
- H 280 mm x W 170 mm x D 2 mm (flush-mounted with flush box D 47 mm)
- H 282.5 mm x W 172.5 mm x D 65 mm (surface-mounted with surface box)

MSE4 ENV BRUYANT

4 keys waterproof Maylis slave station with gooseneck microphone and noise canceling board integrated - for noisy environment
REF [440.2620](#)



MSP1

1 call button Maylis slave station
REF [440.0500](#)

- Flush or surface mounted
- 1 call button and label
- 1 programmable relay
- Aluminium front panel
- IP54 rating
- 15V to 30V power supply (through central or external: see p45)
- H 176,5 mm x W 97,5 mm x D 2 mm (flush-mounted with flush box D 45 mm)
- H 196 mm x W 109 mm x D 55 mm (surface-mounted with surface box)

MSP1 ROUGE H 180

1 call button Maylis slave station - red front panel
REF [440.0550](#)



MSP1 AV

1 call button vandal resistant Maylis slave station
REF [440.0600](#)

- Vandal resistant designed
- Flush or surface mounted
- 1 call button
- 1 programmable relay
- Stainless steel front panel
- IP54 rating
- 15V to 30V power supply (through central or external: see p45)
- H 176,5 mm x W 97,5 mm x D 2 mm (flush-mounted with flush box D 45 mm)
- H 196 mm x W 109 mm x D 55 mm (surface-mounted with surface box)





SLAVE STATIONS (continued)



MSP11H AV

Vandal resistant slave station 1 call button with handicap logo
REF 440.0700

- Vandal resistant designed
- Flush or surface mounted
- 1 call button
- 1 programmable relay
- Stainless steel front panel with handicap logo
- IP54 rating
- 15V to 30V power supply (through central or external: see p45)
- H 176,5 mm x W 97,5 mm x D 2 mm (flush-mounted with flush box D 45 mm)
H 196 mm x W 109 mm x D 55 mm (surface-mounted with surface box)



MSP11 AVNH

1 call button Maylis slave station disability regulation compliant
REF 440.1250

- Vandal resistant designed, stainless steel front panel
- Flush or surface mounted
- 1 call button
- 1 programmable relay
- 3 leds for disability regulations
- IP54 rating - IK09
- 15V to 30V power supply (through central or external: see p45)
- H 176,5 mm x W 97,5 mm x D 2 mm (flush-mounted with flush box D 45 mm)
H 196 mm x W 109 mm x D 55 mm (surface-mounted with surface box)



MSP11 AVNH V

1 call button Maylis video slave station disability regulation compliant
REF 440.1200

- Vandal resistant designed, stainless steel front panel
- Flush or surface mounted
- 1 call button and 1 programmable relay
- 3 leds for disability regulations
- Integrated colour video camera
- IP54 rating - IK09
- 15V to 30V power supply (through central or external: see p45)
- H 176,5 mm x W 97,5 mm x D 2 mm (flush-mounted with flush box D 45 mm)
H 196 mm x W 109 mm x D 55 mm (surface-mounted with surface box)



MSP1DH 1B

1 call button Maylis slave station disability regulation compliant
REF 440.8000

- Stainless steel 316 L vandal proof front panel
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- 15V to 30V power supply (through central or external: see p45)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface-mounted)

MSP1DH V1B

With colour video camera version
REF 440.8500



MSP1DH 2B

2 call buttons Maylis slave station disability regulation compliant
REF 440.8100

- Stainless steel 316 L vandal proof front panel
- 2 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- 15V to 30V power supply (through central or external: see p45)
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface-mounted)

MSP1DH V2B

With colour video camera version
REF 440.8600



MSP1DH 4B

4 call buttons Maylis slave station disability regulation compliant
REF 440.8200

- Stainless steel 316 L vandal proof front panel
- 4 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- 15V to 30V power supply (through central or external: see p45)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

MSP1DH V4B

With colour video camera version
REF 440.8700



MSC

Handset Maylis slave station
REF 440.3000

- One interface box + one handset
- Handset surface mounting
- Call when picking up the handset
- ABS interface box surface mounting
- ABS anthracite handset wall mount
- Handset IP54 rating - interface IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 154 mm x W 73 mm x D 43 mm (interface box)
H 235 mm x W 74 mm x D 78 mm (surface-mounted handset)



MSC GACHE

Handset Maylis slave station with door release function
REF 440.3050

- One interface box + one handset
- Handset surface mounting
- Call when picking up + door release push button
- ABS interface box surface mounting
- ABS anthracite handset wall mount
- Handset IP54 rating - interface IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 154 mm x W 73 mm x D 43 mm (interface box)
H 235 mm x W 74 mm x D 78 mm (surface-mounted handset)



MBGPH

Break glasses Maylis slave station
REF 440.5600

- Surface mounting
- Call generate when glass is broken
- 1 programmable relay
- Frame in red steel RAL3002 colour
- IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 230 mm x W 135 mm x D 51 mm (surface-mounted)

PRM INTERCOM FOR SECURED WAITING ROOM PREPROGRAMMED PACKS



MSP1 EAS

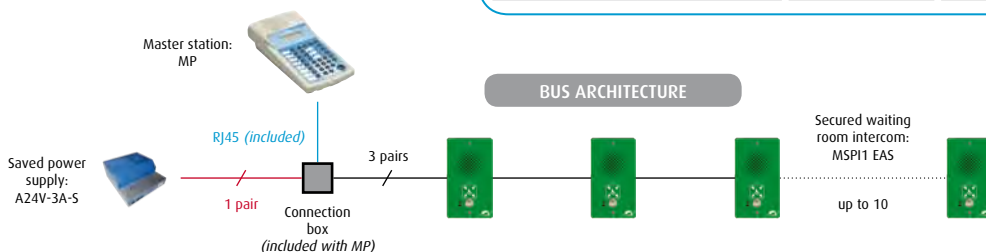
1 call button Maylis slave station - for secured waiting room
REF 440.0300

- Flush or surface mounted
- 1 call button
- Stainless steel green front panel
- Specific pictogram
- IP54 rating
- 15V to 30V power supply (through A24V-3A-S power supply)
- H 176,5 mm x W 97,5 mm x D 2 mm (flush-mounted with flush box D 45 mm)
H 196 mm x W 109 mm x D 55 mm (surface-mounted with surface box)

These packs have been specially designed to meet the needs of intercom for secured waiting room (PRM) in "establishments servicing the public".

PACKS DETAILS		INTERCOM STATION	MASTER STATION	OTHER	
		MSP1 EAS	MP	A24V-3A-S	ASSIST2
Designation	Reference	1 call button Maylis slave station - for secured waiting room	Maylis master station (see p38)	24VDC 3A saved power supply - battery 2.1 Ah (see p45)	Stations pre-setting (by Castel)
PACK EAS 1	445.0100	1	1	1	1
PACK EAS 2	445.0200	2	1	1	1
PACK EAS 3	445.0300	3	1	1	1
PACK EAS 4	445.0400	4	1	1	1
PACK EAS 5	445.0500	5	1	1	1
PACK EAS 6	445.0600	6	1	1	1
PACK EAS 7	445.0700	7	1	1	1
PACK EAS 8	445.0800	8	1	1	1
PACK EAS 9	445.0900	9	1	1	1
PACK EAS 10	445.1000	10	1	1	1

SCHEMATIC





DIGITAL AND ANALOG INTERCOM

INTERCOM SYSTEMS FOR CALL POINTS (TRANSPORTATION, CAR PARK ...)/ REFUGE CALL POINTS



MSP12 AV-HELP

Vandal resistant slave station 2 call buttons with induction loop
REF 440.0210

- Vandal resistant designed
- Stainless steel front panel
- 2 call buttons with Braille inscription
- 2 leds for disability regulations
- Integrated induction loop
- IP65 - IK07 rating
- 15V to 30V power supply (through central or external: see p45)
- H 400 x W 130 mm x D 2 mm (flush mounted)



MSP1 AV-HELP

Vandal resistant slave station 1 call button with induction loop
REF 440.0110

- Vandal resistant designed
- Stainless steel front panel
- 1 call button illuminated
- SOS inscription
- 2 leds for disability regulations
- Integrated induction loop
- IP66 rating
- 15V to 30V power supply (through central or external: see p45)
- H 280 mm x W 130 mm x D 2 mm (flush-mounted with flush box D 47 mm)
- H 282,5 mm x W 132,5 mm x D 65 mm (surface-mounted with surface box)

CASTEL has many intercom stations references for call points and can also make specific developments in order to fit your needs as closely as possible.

KITS



MSK1

Maylis slave station kit
REF 440.3300-1

- Kit with ABS box
- Separate microphone, loud speaker and call button
- 1 programmable relay
- IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 154 mm x W 73 mm x D 43 mm



MSK ASC

Maylis intercom kit for lifts
REF 440.9000

- Lift standards compliant EN 81-28
- Kit with board integrated in a steel case
- Remote microphone, integrated loudspeaker (remote loudspeaker possibility)
- Induction loop
- IP40 rating
- 15V to 30V power supply (through central or external: see p45)
- H 272 mm x W 105 mm x D 40,5 mm

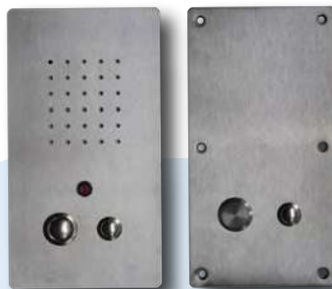
INTERCOM SYSTEMS FOR PRISONS



MSP1 AV-CELL1

Maylis vandal resistant slave stations - cell /corridor
REF 100346

- Composed by one cell station and one corridor station
- Vandal proof conception, stainless steel front panel
- 1 call button with signalisation led, 2 light buttons (cell and shower) on the cell station
- 1 acknowledgement button and 1 light button (night-light) on the corridor station
- IK09 rating
- 15V to 30V power supply (through central or external: see p45)
- H 220 mm x W 120 mm x D 2 mm (flush mounted - flush mounting D: cell station 45 mm - corridor station 60 mm)



MSP1 AV-CELL2

Maylis vandal resistant slave stations - cell /corridor
REF 101166

- Composed by one cell station and one corridor station
- Vandal proof conception, stainless steel front panel
- 1 call button with signalisation led, 1 light button on the cell station
- 1 acknowledgement button and 1 light button on the corridor station
- IK09 rating
- 15V to 30V power supply (through central or external: see p45)
- H 210 mm x W 110 mm x D 2 mm (flush mounted - flush mounting D: cell station 70 mm - corridor station 35 mm)



MSP1 AV-CELL3

Maylis vandal resistant slave stations - cell /corridor
REF 101257 AND 101263

- Composed by one cell station and one corridor station
- Vandal proof conception, stainless steel front panel
- 1 call button with signalisation led on the cell station
- 1 acknowledgement lock and 1 light button (night-light) on the corridor station
- IK09 rating
- 15V to 30V power supply (through central or external: see p45)
- H 190 mm x W 70 mm x D 2 mm (flushed mounted - flush mounting D: cell station 128 mm - corridor station 40 mm)



MSK1 AV-CELL

Maylis slave station kit - cell /corridor
REF **100366**

- Kit with board on steel plate
- 1 call button with signalisation led, 1 acknowledgement remote button on the corridor side
- Light buttons holes (cell and corridor sides)
- 15V to 30V power supply (through central or external: see p45)
- H 200 mm x W 96 mm x D 56 mm



MSPI1 AV-LIAISON

Maylis vandal resistant slave station for access intercom (corridor grids)
REF **440.0650**

- Vandal proof conception, stainless steel front panel
- 1 call button with signalisation led
- IP54 - IK09 rating
- 15V to 30V power supply (through central or external: see p45)
- H 157mm x W 98 mm x D 2 mm (flush-mounted with flush box D 55 mm)
- H 160 mm x W 100 mm x D 47 mm (surface-mounted with surface box)
- Optional mounting kit REF **490.4400**

CASTEL developed around fifty intercom stations and door frame intercom kits, to answer all the prisons needs (cell, security and access intercom, counter intercom, visiting rooms intercom, etc.).

CENTRALISATION



MCB

Main 40 lines central
REF **440.3500**

- Wall mounted
- Equipped with 8 lines
- Main central upgradable to 40 lines
- Expandable to 400 lines with 9 extension central
- Bus and/or star wiring
- Software and setup module provided
- Metal housing with wall mounted hooks
- 230V power supply (through connectors) or 24V (see p45)
- H 450 mm x W 380 mm x D 150 mm

MCB-R

Main 40 lines central
- rackable version (3U)
REF **440.4400**



MCE

Extension 40 lines central
REF **440.3700**

- Wall mounted
- Equipped with 8 lines
- Expendable to 40 lines
- Bus and/or star wiring
- Metal housing with wall mounted hooks
- 230V power supply (through connectors) or 24V (see p45)
- H 450 mm x W 380 mm x D 150 mm

MCE-R

Extension 40 lines central
- rackable version (3U)
REF **440.5400**



MCB8

8 lines main central
REF **440.0900**

- Wall mounted
- 8 lines equipped
- Bus and/or star wiring
- Software and setup module provided
- ABS housing with wall mounted hooks
- 24V power supply unit (provided. ref A24V-2A)
- H 210 mm x W 160 mm x D 80 mm

OPTIONS



MC4L

4 lines extension card
for Maylis central
REF **440.3600**



MT4E4

4 inputs 4 outputs card
for Maylis central
REF **440.4800**



MREP OdB

OdB expander to maximise
the Maylis bus length
REF **440.5500**





DIGITAL AND ANALOG INTERCOM

OPTIONS (continued)



MT2
2 additional
remote control module
REF 440.5200



MIRFO
Linking interface between a Maylis central
and two other Maylis networks through an
optic fiber
REF 440.3800



MIRFOL
Linking interface for a single
Maylis station through an optic fiber
REF 440.3900



MKSP
Surface mounting kit for Maylis build-in
master station
REF 440.2800



MKMED
Surface mounting kit for Maylis MED
REF 440.3100



MDIRD
Electret gooseneck microphone
option for Maylis range
REF 490.0000



MOC
Maylis handset option
REF 440.5100-1



MSM
External audio source Maylis
interface
REF 440.4300



MDS
Sound diffusion Maylis
interface
REF 440.4000



ML
Software and setup module
for Maylis system
REF 440.4500

INDUCTION LOOP



INDUCTION LOOP
Remote induction loop (integrated in ABS
case and stainless steel front panel).
Power supply 24V (see p45)
REF 540.3100

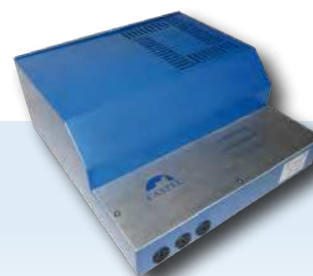
POWER SUPPLIES



A15V-0A4-J
Power supply 15VDC 400mA - Jack plug
REF 440.7100



A24V-2A
Cutting power supply on din track
24VDC 2A
REF 110.9100



A24V-3A-S
24VDC 3A saved power supply
- battery 2.1 Ah
REF 440.4900-1

INTERFACES



IP MAYLIS
TCP/IP Maylis interface
REF 440.5700

- Wall mounted or DIN rail
- Maylis interface through IP network
- SIP interface
- Web server for setup and management
- Stainless steel housing
- 15V to 30V power supply (through central or external)
- H 108 mm x W 141 mm x D 33 mm



MRT
Telephone forward Maylis interface
REF 440.1800

- Wall mounted
- Interface to PSTN
- Calling from Maylis stations to telephones
- Calling from telephones to Maylis station
- Setup and management through software
- ABS housing
- 15V to 30V power supply (through central or external)
- H 210 mm x W 160 mm x D 80 mm

SOFTWARES AND SERVERS



CASTEL SUPERVISOR
Supervision software
REF 110.8300

- Visualise and archive events as communication, incoming /outgoing call, call waiting, relay state, forwarding state
- Visualisation towards synoptic and/or continuous feed
- Call forwarding regarding time slots
- Compatibility with Windows XP, 7, Server 2003, Server 2008
- Compatibility with Oracle et SQL Server database
- Multiuser software (no station licence) on a fully secured internet connection

CASTEL CONFIGURATOR
CASTEL Supervisor configuration software
REF 110.8400



MAYLIS SERVER
Computer server hosting Maylis system for configuration and exploitation
REF 440.7000

- Computer server hosting applications Castel Pilot and Castel Supervisor
- Material support on server at D+1 included
- Castel technical support contract available for 2 years to the final client (free the first year - material warranty - and service fee the second year)
- H 42,4 mm x W 434 mm x D 394 mm (rackable 1U black metallic case)





DIGITAL AND ANALOG INTERCOM

TELEPHONE ACCESS CONTROL ENTRY STATIONS

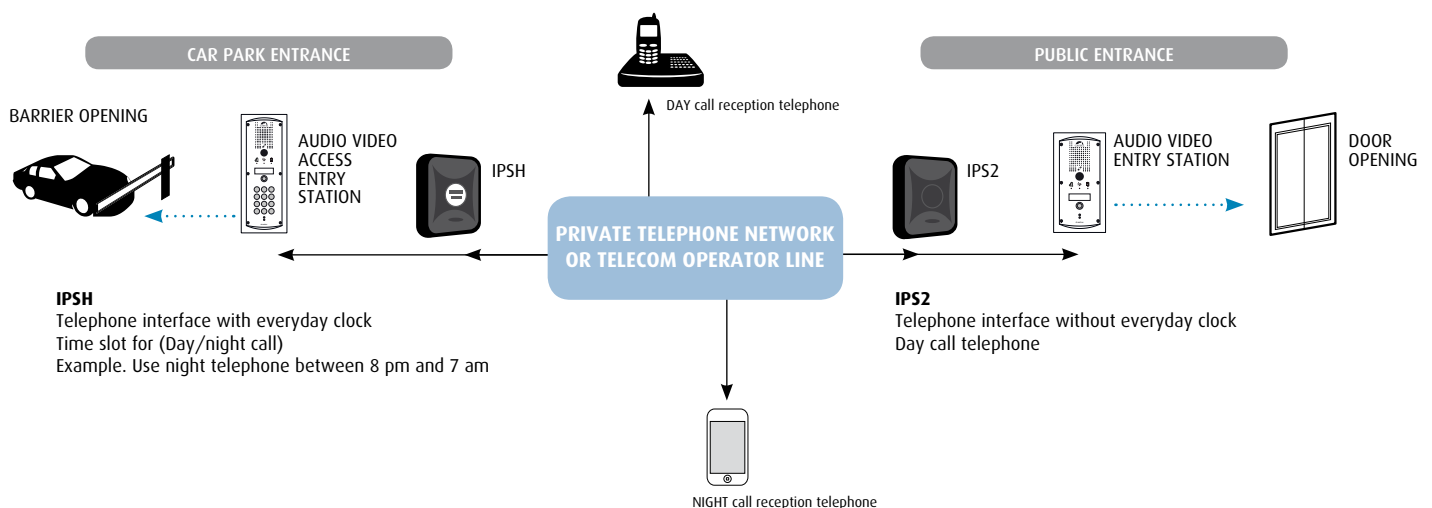
CASTEL's telephone intercom systems make it easy to set up communication between a street entry station and a telephone station. Thanks to this high performance equipment, doors can be operated remotely to enable or prevent access into your building.



- Speech access control (call a telephone number by pressing a call button, tapping out a number on the keypad or using the selectable list)
- Remote control release
- Automatic transfer if no response or line busy
- Ambient noise reduction function
- Independent release function
- 7 voice-synthesized messages may be recorded
- Loud-speaker and microphone volume adjustment
- Time delay adjustment for contact only release control
- Time programming for day/night calls
- Optional: additional remote controls, compatible with SIP telephone systems, 8 lines interface, etc.



SCHEMATIC





PAD new range



CAPH new range



MAIN BENEFITS

The interface with its own 230V supply connected to the entry system enables

- > Communication power supply of over 1 watt
- > Duplex hands-free conversation
- > Increased security (release control relay removed)

A pack always has an interface (IPS2) with 1 or 2 entry stations

- > Compatible with standard telephone networks
- > Compatible with all standard Telecom operators automatic exchanges

All functions can be fully programmed from a telephone station

(easy and flexible to use and programme)

- > Automatic hang-up
- > Conversation length timing facility
- > Multi-functional keypad (direct dial or keypad)
- > Automatic call transfer on each entry station
- > Direct release control relay from the telephone station
- > Advanced system

A solution compliant with disability regulations

- > With telephone intercom stations fitted with colour video cameras, three pictograms viewed with coloured LEDs (or on graphic screen for PAD range), and audible messages
- > An induction loop is directly integrated into the CAPH range intercom stations (possibility to have a remote induction loop for PRIT range stations) and keypads have buttons with Braille (also for PAD range)

MAIN APPLICATIONS

Tertiary industry and industrial buildings access, car park access, HGV access for logistics sites, day/night calls (hotel chains, chemists, emergency services, etc.), information terminals (pedestrian zones/ vehicle access), small residential buildings (caretaker calls, etc.), and many other customised applications available





DIGITAL AND ANALOG INTERCOM

TELEPHONE INTERCOM SYSTEMS

AUDIO VIDEO ENTRY STATIONS - CAPH series



CAPH V1B

Audio video entry station with 1 call button compliant with disability regulations
REF 660.6000

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH V2B

Audio video entry station with 2 call buttons compliant with disability regulations
REF 660.6100

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 2 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH V3B

Audio video entry station with 3 call buttons compliant with disability regulations
REF 660.6200

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 3 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH V4B

Audio video entry station with 4 call buttons compliant with disability regulations
REF 660.6300

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 4 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 250 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH V6B

Audio video entry station with 6 call buttons compliant with disability regulations
REF 660.6400

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 6 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH V10B

Audio video entry station with 10 call buttons compliant with disability regulations
REF 660.6500

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 10 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface mounted)

Analog	Interface for 1 or 2 entry stations	Compatible with standard phone networks	Duplex hands-free conversation	Configuration from a telephone
Wiring: 2 twisted pairs	Release control relay removed in the interface	Power supply by interface	Audio power over 1 watt	Time programming for day/night calls



CAPH V1B CLAV

Audio video entry station with 1 call button and keypad compliant with disability regulations
REF 660.6600

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 1 call button and label
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK08 rating
- Powered by interface
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)



CAPH V2B CLAV

Audio video entry station with 2 call buttons and keypad compliant with disability regulations
REF 660.6700

- Stainless steel 316 L vandal proof front panel
- Built-in colour video camera
- 2 call buttons and labels
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK08 rating
- Powered by interface
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

AUDIO ENTRY STATIONS - CAPH series



CAPH 1B

Audio entry station with 1 call button compliant with disability regulations
REF 660.0000

- Stainless steel 316 L vandal proof front panel
- 1 call button and label
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 250 mm x W 135 mm x D 54.5 mm (surface mounted)

CAPH 1B BRUIT

Audio entry station with 1 call button compliant with disability regulations - with noise canceling board integrated
REF 660.0010



CAPH 2B

Audio entry station with 2 call buttons compliant with disability regulations
REF 660.0100

- Stainless steel 316 L vandal proof front panel
- 2 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 250 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH 3B

Audio entry station with 3 call buttons compliant with disability regulations
REF 660.0200

- Stainless steel 316 L vandal proof front panel
- 3 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 250 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH 4B

Audio entry station with 4 call buttons compliant with disability regulations
REF 660.0300

- Stainless steel 316 L vandal proof front panel
- 4 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 250 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 250 mm x W 135 mm x D 54.5 mm (surface mounted)





AUDIO ENTRY STATIONS - CAPH series (continued)



CAPH 6B

Audio entry station with 6 call buttons compliant with disability regulations
REF **660.0400**

- Stainless steel 316 L vandal proof front panel
- 6 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 350 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH 10B

Audio entry station with 10 call buttons compliant with disability regulations
REF **660.0500**

- Stainless steel 316 L vandal proof front panel
- 10 call buttons and labels
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK09 rating
- Powered by interface
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 350 mm x W 135 mm x D 54.5 mm (surface mounted)



CAPH 1B CLAV

Audio entry station with 1 call button and keypad compliant with disability regulations
REF **660.0600**

- Stainless steel 316 L vandal proof front panel
- 1 call button and label
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK08 rating
- Powered by interface
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)



CAPH 2B CLAV

Audio entry station with 2 call buttons and keypad compliant with disability regulations
REF **660.0700**

- Stainless steel 316 L vandal proof front panel
- 2 call buttons and labels
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 leds for disability regulations
- Integrated induction loop
- IP64 - IK08 rating
- Powered by interface
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)



CAPH REP

Index box 32 names capacity
REF **660.9000**

- Stainless steel 316 L vandal proof front panel
- IP64 - IK09 rating
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 350 mm x W 135 mm x D 54.5 mm (surface-mounted)

ENTRY STATIONS - PRIT series



PRIT

Audio entry station with 1 call button
REF **650.4000**

- Aluminium front panel
- 1 call button and label
- IP54 rating
- Powered by interface
- H 157 mm x W 98 mm x D 2 mm
(flush-mounted with flush box D 35 mm)
H 160 mm x W 100 mm x D 47 mm
(surface-mounted with surface box)

PRIT FACE AV ROUGE

Audio entry station with 1 call button and red front panel
REF **650.4050**



PRIT AV

Vandal-resistant audio entry station with 1 call button
REF **650.4100**

- Stainless steel front panel
- 1 call button
- IP54-IK09 rating
- Powered by interface
- H 157 mm x W 98 mm x D 2 mm
(flush-mounted with flush box D 35 mm)
H 160 mm x W 100 mm x D 47 mm
(surface-mounted with surface box)



PRIT AVNH

Vandal-resistant audio entry station with 1 call button compliant with disability regulations
REF **650.4200**

- Stainless steel front panel
- 1 call button
- 3 leds for disability regulations
- IP54-IK09 rating
- Powered by interface
- H 176.5 mm x W 97.5 mm x D 2 mm
(flush-mounted with flush box D 45 mm)
H 196 mm x W 109 mm x D 55 mm
(surface-mounted with surface box)



PRIT AVNH V

Vandal-resistant audio video entry station with 1 call button compliant with disability regulations
REF **650.4600**

- Stainless steel front panel
- 1 call button
- 3 leds for disability regulations
- Integrated colour video camera
- IP54-IK09 rating
- Powered by interface
- H 176.5 mm x W 97.5 mm x D 2 mm
(flush-mounted with flush box D 45 mm)
H 196 mm x W 109 mm x D 55 mm
(surface-mounted with surface box)

INDUCTION LOOP



INDUCTION LOOP

Remote induction loop (integrated in ABS case and stainless steel front panel). It can be used with PRIT AVNH and PRIT AVNH V entry stations. Power supply 24V not included (ref. A24V-0A7-F)
REF **540.3100**





INTERFACES (for CAPH and PRIT series entry stations)



IPS2

Interface for PS-PABX connection
REF 650.1000

- Manage 1 or 2 entry stations
- Opening lock by the phone
- Direct call or call forwarding
- 7 customisable voice messages
- Compatible SIP via interface (ref. XELLIP TRANSFER)
- Ambient noise reduction function
- Power supply 28V included
- H 210 mm x W 160 mm x D 80 mm



IPS H

Interface for PS-PABX connexion with clock for 1 entry station
REF 650.1200



IPS2 T*

Interface for PS-PABX connection with 8 remote controls option
REF 650.1300



IPS 8L*

Interface for PS-PABX connection with 8 lines (different PABX)
REF 650.1400



IPS2 8T8L*

Interface for PS-PABX connection with 8 remote controls and 8 lines option
REF 650.1500

*Works only with PRIT and PRIT AV entry stations

ACCESSORIES

KIT GRIFFES

Mounting kit for installation on plasterboard - for CAPH intercom stations
REF 560.9000

CEINTURE 250

Stainless-steel anti-tear housing (surface-mounting) for CAPH intercom stations - H 250 mm
REF 560.9200

CEINTURE 350

Stainless-steel anti-tear housing (surface-mounting) for CAPH intercom stations - H 350 mm
REF 560.9300

FOND ENCASTREMENT

Stainless-steel flush-mounting bottom for PRIT AVNH and PRIT AVNH V intercom stations
REF 490.4600

CEINTURE INOX

Black stainless-steel surface-mounting housing for PRIT AVNH and PRIT AVNH V intercom stations
REF 490.4500

ENTRY STATIONS - PAD series

Work without IPS2 interface



PAD AUDIO

Audio entry station with selectable list name and keypad compliant with disability regulations

REF 650.2700

- Vandal-resistant designed, stainless steel front panel
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 keys for selectable list name
- Graphic display
- Disability regulations pictograms on graphic display
- Configuration by PC software included (via modem ref. 650.1800)
- IP54 rating
- Power supply 24V included (ref. A24V-2A)
- H 360 mm x W 175 mm x D 2.5 mm (flush-mounted with flush box D 60 mm)

KIT SAILLIE PAD AUDIO

Surface mounting kit for PAD Audio

REF 650.9500



PAD VIDEO

Audio video entry station with selectable list name and keypad compliant with disability regulations

REF 650.2900

- Vandal-resistant designed, stainless steel front panel
- Integrated colour video camera
- Numerical keypad for direct dial and access code, buttons with Braille
- 3 keys for selectable list name
- Graphic display
- Disability regulations pictograms on graphic display
- Configuration by PC software included (via modem ref. 650.1800)
- IP54 rating
- Power supply 24V included (ref. A24V-2A)
- H 430 mm x W 175 mm x D 2.5 mm (flush-mounted with flush box D 60 mm)

KIT SAILLIE PAD VIDEO

Surface mounting kit for PAD Video

REF 650.9600





DIGITAL AND ANALOG INTERCOM

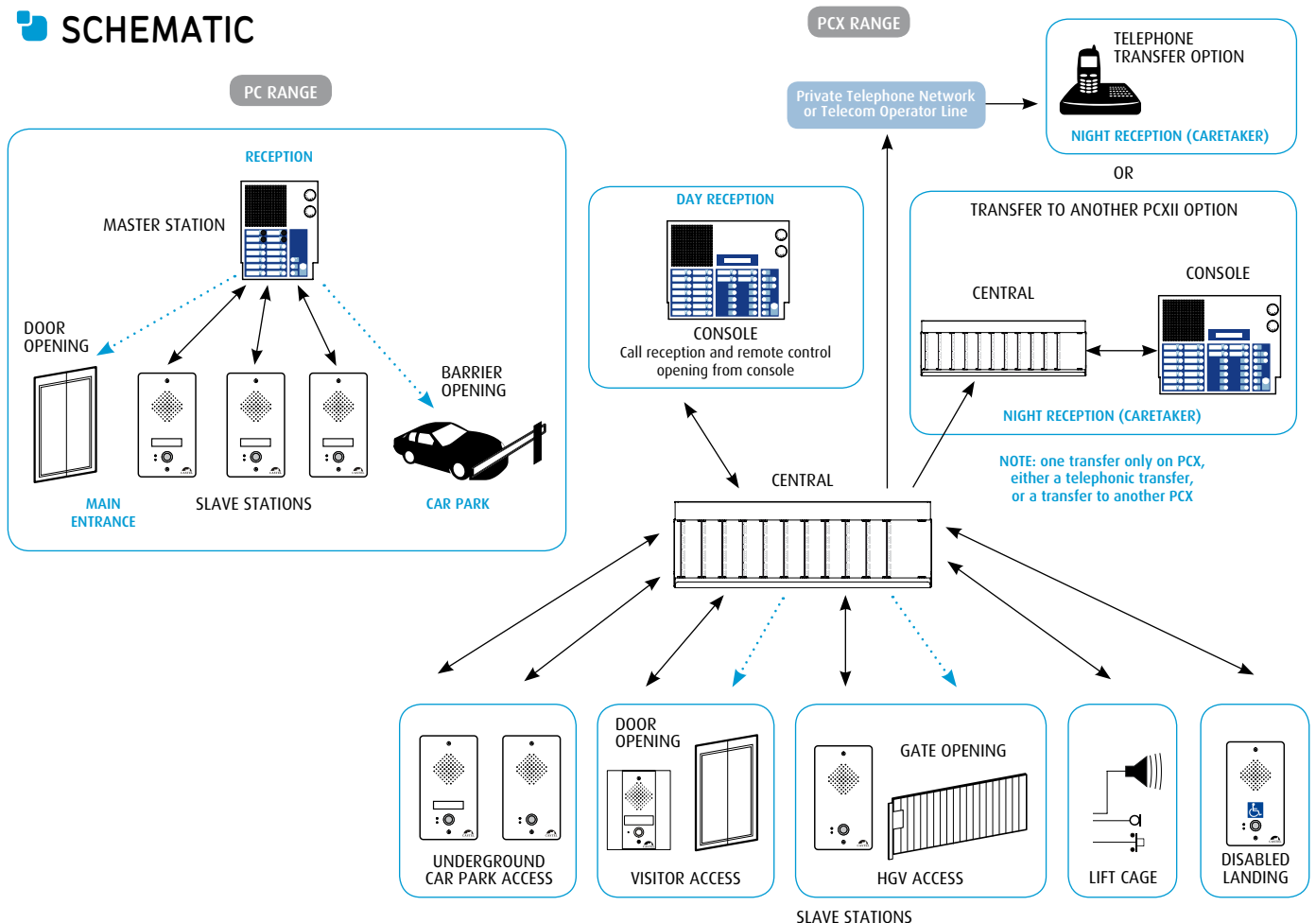
PC-PCX: CENTRALISED INTERCOM STATIONS FOR FAST COMMUNICATION

CASTEL's high performing professional intercom solutions enable centralised star network secured communication up to 1,000 directions with posting to Dect type telephone or mobile stations.



- Master stations for call centralisation
- Intercommunication between master stations
- General calls/Group calls
- Simplex/Duplex Communications
- Luminous call signalling (PC range)
- Visual call display, call storage, call waiting management, priority calls, 10 pre-programmed buttons (PCXII)
- Optional: remote control release, telephonic transferring, privacy button, gooseneck microphone, plate integrated version for entire range, etc.

SCHEMATIC





Build-in master station



Industrial waterproof slave station

MAIN BENEFITS

Security, strength and robustness

Fast and efficient direct communication

between specific points (slave stations) and one (or several) central stations (master stations).

Very easy to use

1 or more direct call push buttons for slave stations.

Centralised electronics

increased reliability.

Adjustable transmission and reception levels

enabling communication between premises with different ring levels.

No programming

Extent

up to 1,000 directions and numerous options for the PCXII range.

A large range enables the installation of the most suitable system for the surroundings

handset, office station, flush or surface mounted plate, water proof station, window station, vandal proof versions, internal, external, industrial and video, lift kits.

MAIN APPLICATIONS

Hospital centres, lifts, underground/overhead car parks, tertiary industry and industrial complexes, motorway and car park toll booths, supermarket checkouts, retirement homes, prisons, military sites, ports, etc., and numerous other customised applications.





DIGITAL AND ANALOG INTERCOM

PC/PCX PROFESSIONAL INTERCOM

DESKTOP AND BUILD-IN MASTER STATIONS FROM 1 UP TO 20 DIRECTIONS - PC RANGE



PC2002 DX

Desktop master station with 2 call directions 15V power supply included
REF 470.5100

- Desktop or wall mount station
- 2 call buttons to slave stations
- Duplex or simplex communication
- ABS housing
- IP40 rating
- 15V power supply unit (provided)
- H 240 mm x W 120 mm x D 62 mm

PC2002 P DX

Build-in version
REF 470.6100



PC2005 SX/DC

Desktop master station with 5 call directions - 15V power supply not included
REF 470.2000

- Desktop or wall mount station with one distribution box
- 5 call buttons to slave stations or master stations
- Intercommunication possible between 2 master stations
- Simplex conversation
- ABS housing
- IP40 rating
- 15V power supply (not included: see p61)
- H 240 mm x W 1187 mm x D 62 mm (distribution box: H 205 mm x W 140 mm x D 65 mm)

PC2005 P SX/DC

Build-in version
REF 470.3000

PC2005 SX/AC

Desktop master station with 5 call directions 15V power supply included
REF 470.0000

PC2005 AX

Desktop master station with 5 call directions with general calls and 230V plug
REF 470.0100



PC2010 SX/DC

Desktop master station with 10 call directions - 15V power supply not included
REF 470.2200

- Desktop or wall mount station with one distribution box
- 10 call buttons to slave stations or master stations
- Intercommunication possible between 2 master stations
- Simplex conversation
- ABS housing
- IP40 rating
- 15V power supply (not included: see p61)
- H 240 mm x W 187 mm x D 62 mm (derivation box: H 205 mm x W 140 mm x D 65 mm)

PC2010 P SX/DC

Build-in version
REF 470.3200

PC2010 SX/AC

Desktop master station with 10 call directions 15V power supply included
REF 470.0200

PC2010 AX

Desktop station with 10 call directions with general calls and 230V plug
REF 470.0300



PC2015 AX

Desktop master station with 15 call directions with general calls and 230V plug
REF 470.0400

- Desktop or wall mount station with 2 derivation box
- 15 call buttons to slave stations or master stations
- Intercommunication possible between 2 master stations
- Simplex conversation
- ABS housing
- IP40 rating
- 230V power supply (power cord provided)
- H 240 mm x W 297 mm x D 62 mm (derivation box: H 205 mm x W 140 mm x D 65 mm)

PC2015 P AX

Build-in version
REF 470.1400



PC2020 AX

Desktop master station with 20 call directions with general calls and 230V plug
REF 470.0500

- Desktop or wall mount station with 2 derivation box
- 20 call buttons to slave stations or master stations
- Intercommunication possible between 2 master stations
- Simplex conversation
- ABS housing
- IP40 rating
- 230V power supply (power cord provided)
- H 240 mm x W 297 mm x D 62 mm (derivation box: H 205 mm x W 140 mm x D 65 mm)

PC2020 P AX

Build-in version
REF 470.1500



PC2001 1PH/1G

Desktop master station 1 direction and 1 door release remote control with 15V power supply
REF 470.7000

- Desktop or wall mount station
- 1 call button to 1 slave station
- 1 door release remote control button
- Duplex or simplex communication
- ABS housing
- IP40 rating
- 15V power supply unit (provided)
- H 240 mm x W 120 mm x D 62 mm

Analog	Star wiring	Integrate or remote relay control	Duplex Simplex
Wiring: 1 Pair 9/10	Up to 999 directions	Intercommunication between master stations	With or without central



PC2005 3PH/2G

Desktop master station 3 directions and 2 door release remote controls with 15V power supply unit
REF 470.7100

- Desktop or wall mount station with one distribution box
- 3 call buttons to slave stations or master stations
- 2 door release remote control buttons
- Simplex conversation
- ABS housing
- IP40 rating
- 15V power supply unit (provided)
- H 240 mm x W 187 mm x D 62 mm (derivation box: H 90 mm x W 170 mm x D 25 mm)



PC2010 5PH/5G

Desktop master station 5 directions and 5 door release remote controls with 230V plug
REF 470.7200

- Desktop or wall mount station with one distribution box
- 5 call buttons to slave stations or master stations
- 5 door release remote control buttons
- Simplex conversation
- ABS housing
- IP40 rating
- 230V power supply (power cord provided)
- H 240 mm x W 187 mm x D 62 mm (derivation box: H 205 mm x W 140 mm x P 65 mm)



PC2020 10PH/10G

Desktop master station 10 directions and 10 door release remote controls with 230V plug
REF 470.7300

- Desktop or wall mount station with 2 derivations box
- 10 call buttons to slave stations or master stations
- 10 door release remote control buttons
- Simplex conversation
- ABS housing
- IP40 rating
- 230V power supply (power cord provided)
- H 240 mm x W 297 mm x D 62 mm (derivation box: H 205 mm x W 140 mm x D 65 mm)



PCX 10D AX

Central and simplex master station up to 10 directions
REF 475.5000

- Desktop or wall mount station with central
- 10 call buttons to slave stations or master stations
- Pre installed central with 10 directions
- Simplex conversation
- Compatible with PCX options (see p58)
- ABS housing, desktop station IP40 rating
- 230V power supply (power cord not provided)
- H 240 mm x W 187 mm x D 62 mm (central: H 238 mm x W 380 mm x D 150 mm)

PCX 10D P AX

Build-in version
REF 475.6000

PCX 10D DX

Central and duplex master station up to 10 directions
REF 475.5500

PCX 10D P DX

Build-in version
REF 475.6500

COUNTER INTERCOM



IG 2000

Counter intercom
REF 470.9000

- Made with a staff station and a customer station
- Full duplex communication
- ABS housing
- IP40 rating
- 15V power supply unit (provided)
- H 240 mm x W 120 mm x P 62 mm (staff station and customer station)

PC RANGE OPTIONS



MDIRS

Gooseneck microphone option for simplex models
REF 490.0800



COMBS

Handset option for simplex unit master station
REF 490.3000





DIGITAL AND ANALOG INTERCOM

DESKTOP AND BUILD-IN MASTER STATIONS FROM 1 UP TO 999 DIRECTIONS - PCX RANGE



PCX II AX

Central and simplex master station up to 50 directions

REF 475.0100

- Desktop or wall mount station with wall mounted central
- 2x12 characters display, numeric keyboard, group call and remote control programmable button
- Pre installed central with 10 directions
- Simplex conversation
- ABS housing, desktop station IP40 rating
- 230V power supply (power cord not provided)
- H 240 mm x W 297 mm x D 62 mm (central: H 450 mm x W 380 mm x D 150 mm)

PCX II P AX

Central and simplex master station (build-in version) up to 50 directions

REF 475.1100



PCX II DX

Central and duplex master station up to 50 directions

REF 475.0600

- Desktop or wall mount station with wall mounted central
- 2x12 characters display, numeric keyboard, group call and remote control programmable buttons
- Pre installed central with 10 directions
- Duplex communication
- ABS housing, desktop station IP40 rating
- 230V power supply (power cord not provided)
- H 240 mm x W 297 mm x D 62 mm (central: H 450 mm x W 380 mm x D 150 mm)

PCX II P DX

Central and duplex master station (build-in version) up to 50 directions

REF 475.1600



EXT PCX II

Extension central PCXII

REF 475.2100

- Wall mount extension central
- Pre installed central with 10 directions
- 50 directions capacity
- Simplex or duplex conversation (according to main central configuration)
- 230V power supply (power cord not provided)
- H 450 mm x W 380 mm x D 150 mm

PCX RANGE OPTIONS



MC5D

Additional 5 directions card to install into a central available slot

REF 475.2600



MC5T

5 remote controls card to install into a central available slot

REF 490.0900



TELPCX

Telephone forward card (2 cards to install into the central)

REF 490.1700



R2PCX

Forward option from PCXII to PCXII (1 card to install into the central)

REF 490.0400



MDIRD

Gooseneck microphone option for PCXII

REF 490.0000



COMBD

Handset option for PCXII master station

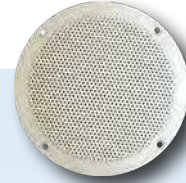
REF 490.3100



HP10
10 Watts waterproof loudspeaker option
REF 396.3000



MO25
25 Watts loudspeaker option
REF 396.0000



HPP15
Ceiling speaker 20 Watts 8 ohms option
REF 396.3200



MA20W
20 Watts amplification module option
REF 440.5300



LOG PCX
Software and parameter module option
REF 490.0100

SLAVE STATIONS - PC/PCX RANGE



PSD 2000
1 call button slave station desktop or wall mount version
REF 460.0000

- Desktop station or wall mount slave station
- 1 call button
- HP reverse communication
- ABS housing
- IP40 rating
- Auto power supply
- H 240 mm x W 120 mm x D 62 mm

PSD 2000 S
1 call button slave station desktop or wall mount version with secrecy function
REF 460.0100



PSD 2003
3 call buttons slave station desktop or wall mount version
REF 460.1000

- Desktop station or wall mount slave station
- 3 call buttons
- HP reverse communication
- ABS housing
- IP40 rating
- 15V power supply unit (not included: see p61)
- H 240 mm x W 120 mm x D 62 mm



COMBINE PS
Handset slave station
REF 460.1500

- Desktop or wall mount slave station
- Call when picking up the handset
- HP reverse communication
- ABS housing
- Battery power supply
- H 235 mm x W 174 mm x D 78 mm





SLAVE STATIONS - PC/PCX RANGE (continued)



PI
Waterproof 1 call button slave station
REF **460.2000**

- Waterproof 1 call button and label
- HP reverse communication
- Aluminium front panel
- IP54 rating
- Auto power supply
- H 176.5 mm x W 97.5 mm x D 2 mm (flush-mounted with flush box D 45 mm)
- H 196 mm x W 109 mm x D 55 mm (surface-mounted with surface box)

PI AV
Vandal resistant slave station 1 call button
REF **460.2500**

PI 1BP 3A
1 call button slave station to 3 directions
(power supply unit not provided: see p61)
REF **460.1900**

PI 1BP 3A AV
1 call button vandal resistant slave station
to 3 directions (power supply unit not
provided: see p61)
REF **460.2700**



PIH AV
Vandal resistant slave station 1 call button
with handicap logo
REF **460.2800**

- 1 call button
- HP reverse communication
- Stainless steel front panel
- IP54 rating - IK09
- Auto power supply
- H 176.5 mm x W 97.5 mm x D 2 mm (flush-mounted with flush box D 45 mm)
- H 196 mm x W 109 mm x D 55 mm (surface-mounted with surface box)



PI-D
Design slave station with 1 waterproof
call button
REF **460.4000**

- Waterproof 1 call button and label
- HP reverse communication
- Aluminium front panel
- IP54 rating
- Auto power supply
- H 150 mm x W 120 mm x D 15.7 mm (flush-mounted with flush box D 28.5 mm)
- H 150 mm x W 120 mm x D 41.5 mm (surface-mounted)

PI-D AV
Design vandal resistant slave station with
1 call button
REF **460.4050**

PI-D VIDEO C
Design vandal resistant slave station with
1 call button and colour video
REF **460.4500**

PI-D 1BP 3A
1 call button slave station to 3 directions
(power supply unit not provided: see p61)
REF **460.4100**

PI-D 1BP 3A AV
Vandal resistant slave station 1 call button
to 3 directions
REF **460.4150**



IE1A
Waterproof slave station 1 call button
REF **460.5000**

- 1 call button
- HP reverse communication
- Stainless steel front panel
- IP65 rating
- Auto power supply
- H 280 mm x W 130 mm x D 2 mm (flush-mounted with flush box D 47 mm) - H 282.5 mm x W 132.5 mm x D 65 mm (surface-mounted with surface box)



PI 0DB ADF
OdB intercom station ATEX version
REF **460.7000**

- For explosive atmospheres in accordance with European Directive ATEX 94/9/EC (ATEX EE xd II BT6 II2G)
- 1 call button
- Loudspeaker - microphone
- Orange aluminium front panel
- IP66 rating
- 15V power supply unit (not included: see p61)
- H 350 mm x W 215 mm x D 190 mm (surface-mounted)

MEDICAL SECTOR INTERCOM STATIONS



POSTES PATIENT VISITEUR 8W

Patient/visitor stations

REF **480.8000** AND **480.8100**

- Composed by one patient station and one visitor station
- Flush or surface mounted
- 1 call button with signalisation led on visitor station
- 8 Watts loudspeaker
- Stainless steel front panels
- IP66 rating
- 24V power supply unit (included)
- H 280 mm x W 130 mm x D 2 mm (flush-mounted with flush box D 47 mm)
- H 282,5 mm x W 132,5 mm x D 65 mm (surface-mounted with surface box)



POSTES PATIENT VISITEUR 1W

Patient/visitor stations

REF **480.8200** AND **480.8300**

- Composed by one patient station and one visitor station
- Flush or surface mounted
- 1 call button with signalisation led on visitor station
- 1 Watt loudspeaker
- Stainless steel front panels
- IP66 rating
- 24V power supply unit (included)
- H 176,5 mm x W 97,5 mm x D 2 mm (flush-mounted with flush box D 55 mm)
- H 179 mm x W 100 mm x D 67 mm (surface-mounted with optional surface box ref. 490.4500)

POWER SUPPLIES AND ACCESSOIRES

A15V-0A4-F

Power supply 15VDC
400mA - wire plug
REF **496.1100**



FOND ENCASTREMENT

Stainless-steel flush-mounting bottom
for PI, PI AV and PIH AV intercom stations
REF **490.4600**

CEINTURE INOX

Black stainless-steel surface-mounting
housing for PI, PI AV and PIH AV intercom
stations
REF **490.4500**





SECURITY INTERCOM

CASI: CENTRAL ALARM AND SECURITY INTERCOM SYSTEMS

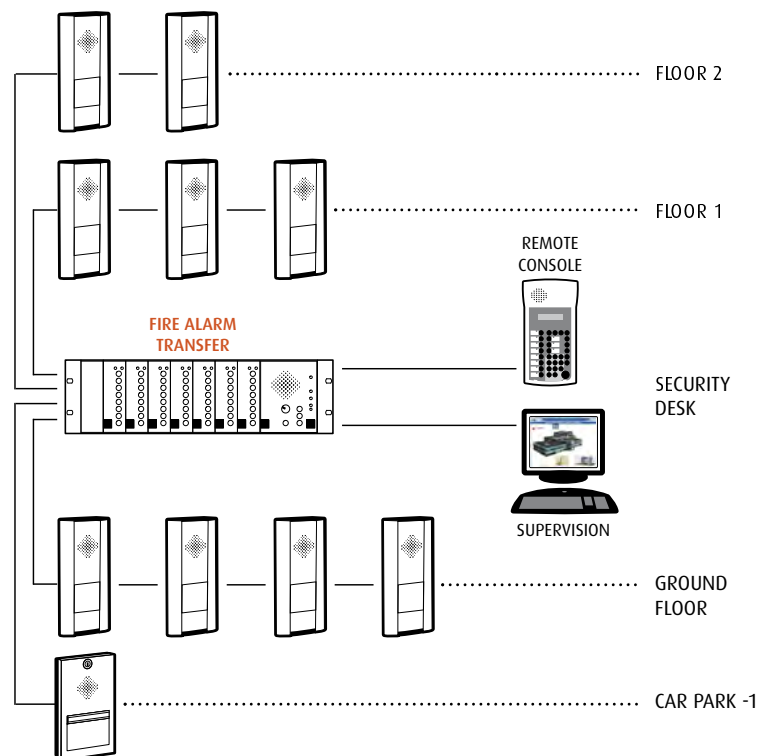
A security system aimed at centralising and localising emergency calls coming from voice-activated «glass broken» terminals.



- Alarm and communication centralisation
- Alarm activation by glass broken device or handset call
- Central buzzer for signalling alarms
- Car park audio device
- Emission of industry standard NFS 32001 emergency evacuation signal
- Repeater OdB module available for direct link to an evacuation or alarm bell system



SCHEMATIC





Remote console build-in version



CASTEL Supervisor

MAIN BENEFITS

CASI meets the criteria defined in industry standard EN 61950 and in accordance with technical instruction IT 248

It also conforms with industry standard EN 60950 for security use. It complies with article GH50 of the high rise buildings regulations.

CASI is secure

It detects and indicates all anomalies that might occur in the various connecting cables (line opening, short circuits, etc.).

It can detect from 7 to 980 directional identities by address line

(for multiple terminals per line, please ask).

Call localisation performance

Front panel display direct to CASI.

Comfortable operating

Emergency calls can be received on a remote console with display.

Supervised system

Supervision software allows you to visualize on graphical views, calls, line faults, to pick up-hang up, as well as getting all events history.

New IP interface



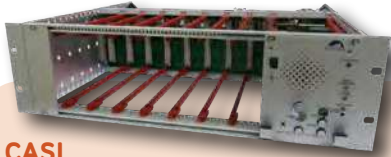
MAIN APPLICATIONS

High rise buildings, car parks, public buildings, nuclear power plants, airports, etc., and numerous other customised applications.





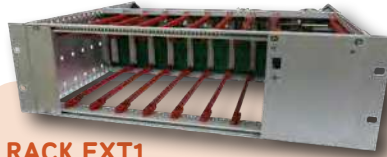
ALARM CENTRAL



CASI
Intercom security and alarm central
REF 220.0000

- 49 lines base rack (7 zones module not included)
- Communications can be managed on the front panel
- Audio simplex, with 3 watts power
- Supply power rescued by battery
- Complies with NFS 32001, NFS 61950 and NFS 60950 standards
- Power supply 220V AC (cable included)
- H 132.5 mm x W 482.6 mm x D 431 mm (rack-mountable 3U format)

COFR 3U
3U housing option
REF 220.1300



RACK EXT1
CASI extension rack 1
REF 220.0900

- 3U extension rack 1 for 56 directions (7 zones module not included)
- Associated with the previous rack
- Complies with NFS 32001, NFS 61950 and NFS 60950 standards
- Power supply by previous central (cable included)
- H 132.5 mm x W 482.6 mm x D 351 mm (rack-mountable 3U format)



RACK EXT2
CASI extension rack 2
REF 220.1100

- 3U extension rack 2 for 56 directions with power supply (7 zones module not included)
- Associated with the previous rack
- Complies with NFS 32001, NFS 61950 and NFS 60950 standards
- Supply power rescued by battery
- Power supply 220V AC (cable included)
- H 132.5 mm x W 482.6 mm x D 431 mm (rack-mountable 3U format)



MOD 7 Z
7 zones module
REF 220.1900

- Manages 7 zones of security terminals
- 7 buttons with lighting for call and 1 button for test
- 1 light for contact circuit fault and 1 light for cut
- Power supply by central
- Module to be inserted in the central



REPORT
Dry contact report module
REF 220.1400

- Manages 7 dry contacts associated with 7 directions (1 module 7 zones)
- Dry contacts in NO or NC position
- Engagement by upwelling event: call, contact circuit fault, or cut circuit fault
- Power supply by central
- Module to be inserted in the central

SUPERVISION



CASTEL SUPERVISOR
Supervision software
REF 110.8300

- Visualise and archive events as communication, incoming /outgoing call, call waiting, relay state, forwarding state
- Visualisation towards synoptic and/or continuous feed
- Call forwarding regarding time slots
- Compatibility with Windows XP, 7, Server 2003, Server 2008
- Compatibility with Oracle et SQL Server database
- Multiuser software (no station licence) on a fully secured internet connection

REMOTE CONSOLE



MP CASI
Remote console for CASI
REF 250.0000

- Desktop or wall mount station
- LCD display (2 lines x 16 characters)
- Numeric keypad and functions keys
- 11 keys and 1 programmable relay
- ABS case
- IP40 rating
- 15V to 30V power supply (through central or external: see p65)
- H 265 mm x W 138 mm x D 70 mm



MPP CASI
Remote console build-in version for CASI
REF 250.0100

- Flush or surface mounted
- LCD display (2 lines x 16 characters)
- Numeric keypad and functions keys
- 11 keys and 1 programmable relay
- Anodized aluminium front panel
- IP40 rating
- 15V to 30V power supply (through central or external: see p65)
- H 280 mm x W 170 mm x D 2 mm (flush-mounted with flush box D 47 mm)
H 282.5 mm x W 172.5 mm x D 65 mm (surface-mounted with optional MKSP surface box: see p65)

CASTEL CONFIGURATOR
CASTEL Supervisor configuration software
REF 110.8400

IP CASI
IP interface for supervision
REF 220.3200

Analog	Stars/bus wiring	Simplex	Configuration by PC
Wiring: 1 pair 9/10	Central with IP interface	Lines monitoring	Supervision software

SECURITY TERMINALS



BGPH

Audio glass broken device surface mounting
REF 210.0100

- Dedicated terminal for central CASI
- Call initiated by glass broken
- Terminal is connected to one of the 7 lines of the 7 zones module
- No power supply needed (powered by the central)
- H 230 mm x W 135 mm x D 51 mm (surface-mounted)

BGPH ENCASTRE

Audio glass broken device flush mounting
REF 210.0000



BGPH D

Design audio glass broken device
REF 230.0000

- Dedicated terminal for central CASI
- Call initiated by glass broken
- Terminal is connected to one of the 7 lines of the 7 zones module
- No power supply needed (powered by the central)
- H 205 mm x W 120 mm x D 22 mm (flush-mounted with flush box D 20 mm)
- H 205 mm x W 120 mm x D 42 mm (surface-mounted)



BGPH E

Waterproof audio glass broken device
REF 210.0200

- Dedicated waterproof terminal for central CASI
- Call initiated by glass broken
- Terminal is connected to one of the 7 lines of the 7 zones module
- IP66 rating
- No power supply needed (powered by the central)
- H 280 mm x W 170 mm x D 2 mm (flush-mounted with flush box D 47 mm)
- H 282.5 mm x W 172.5 mm x D 65 mm (surface-mounted)

BGPH E BOUCLE AUDITIVE

Waterproof audio glass broken device with induction loop
REF 210.0300



BGPH DM

Flexible cell audio device
REF 210.2000

- Dedicated terminal for central CASI
- Call initiated by flexible cell (deformable membrane)
- Terminal is connected to one of the 7 lines of the 7 zones module
- No power supply needed (powered by the central)
- H 205 mm x W 120 mm x D 22 mm (flush-mounted with flush box D 20 mm)
- H 205 mm x W 120 mm x D 42 mm (surface-mounted)

BGPH DM BOUCLE AUDITIVE

Flexible cell audio device with induction loop
REF 210.2100



TSI

Red security handset
REF 210.3000

- Dedicated intercom handset for central CASI
- Call when picking up the handset
- Terminal is connected to one of the 7 lines of the 7 zones module
- ABS case with wall mounting
- No power supply needed (powered by the central)
- H 235 mm x W 74 mm x D 78 mm



CPPH

Audio device with mushroom button
REF 210.1000

- Dedicated terminal for central CASI
- Call is initiated by mushroom button
- Terminal is connected to one of the 7 lines of the 7 zones module
- No power supply needed (powered by the central)
- H 230 mm x W 135 mm x D 51 mm (surface-mounted)

OPTIONS



GLA

10 glasses pack for BGPH
(dimensions 130 x 75 mm)
REF 240.0000



GLAD

10 glasses pack for BGPH D
(dimensions 63 x 60 mm)
REF 240.0100



MKSP

Surface mounting kit for remote console build-in version for CASI
REF 440.2800

ML CASI

Software and parameter module
REF 440.4500



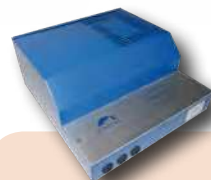
A15V-0A4-J

Power supply 15VDC 400mA - Jack plug
REF 440.7100



A24V-2A

Cutting power supply on din track 24VDC 2A
REF 110.9100



A24V-3A-S

24VDC 3A saved power supply - battery 2.1 Ah
REF 440.4900-1





IP ACCESS CONTROL

vdip Evolution
ACCESS CONTROL OVER IP

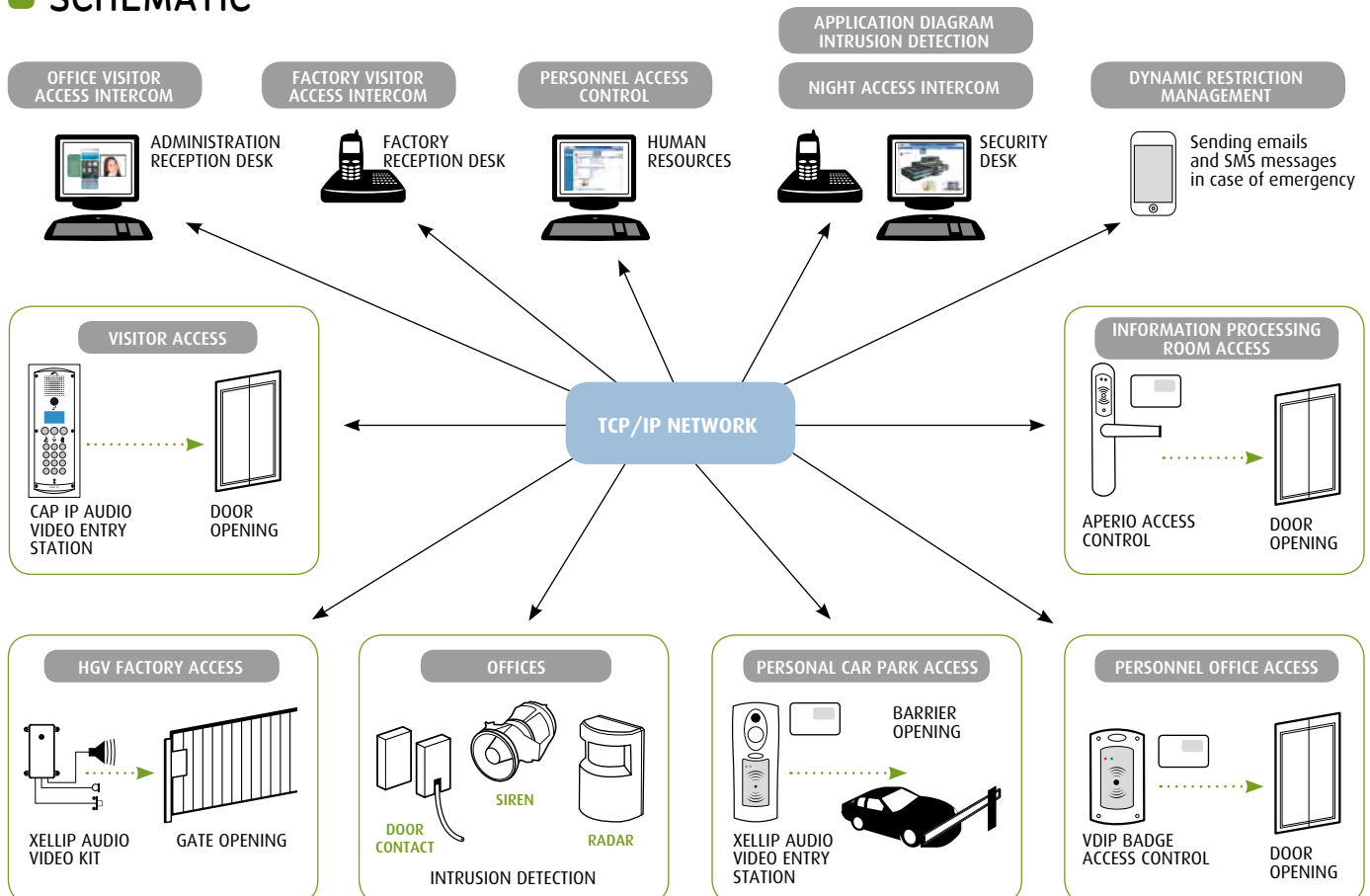
A GLOBAL SOLUTION FOR BUILDING SECURITY

This simple to use, modular, evolutionary and high performance VDIP Evolution responds to all issues relating to access control, application diagrams, intrusion detection, time programming and intercom over IP.



- Access control for up to 45,000 badges and 200 user profiles per VDUC Evo module
- Intrusion detection for up to 10,000 alarm points
- Application diagram of alarms and counters (unlimited charts)
- Time programming (lighting, door unlocking, intrusion, etc.)
- Audio video IP intercom (convergence with Maylis, XELLIP and CAP IP ranges)

SCHEMATIC





CASTEL Access: high performance access control
(up to 1,000 VDUC Evo modules (45,000 badges and 200 user profiles per module), 10 time slots per profile, 5 types of public holiday)

- Prioritised rights management
- Visitor pre-registration (visit notice)
- Car park, lift, restaurant and double-entrance security management
- Unique passer-by system: pass-back proof, time-back proof.
- Motion monitoring by zone
- Security functions: black list, red list, duress code, lost badge, etc.
- Synchronised with directories (LDAP)
- Simultaneous French, English, German versions on client stations



CASTEL Supervisor: dynamic alarm supervision
(up to 10,000 alarm points and unlimited synoptic diagrams)

- Rebuilding, discharging, recording and archiving of technical and intrusion alarms
- Continuous feed
- Event display
- Audio and visual signalling
- Email and SMS messaging restriction
- Video, door and double-entrance security control



CASTEL Server: easy configuration and remote maintenance

- On site or pre-programmed configuration
- Advanced and user-friendly Internet interface
- Module configuration option
- General configuration display

MAIN BENEFITS

Multi-market

Aimed at a variety of different environments: industrial, tertiary industry, military, institutional, hospital, etc., they work equally well for environments with several dozen reading points as well as those with more modest requirements.

Multi-station

The software is based on a fully secured internet connection, compatible with the vast majority of web browsers. It creates an economic multi-user system (no station licence) and is secured with customised menus for easy rights management and use. It also has a multilingual interface. The software is engineered to be compatible with all types of users.

Multi-site

Based exclusively on an IP network connection, VDIP Evolution allows for inter-site feedback thanks to independent management units on every site. Unlimited reader and point capacity. Different companies can also use the system thanks to access profiles. Finally, as the system is autonomous, it functions even if the network is down.

Multi-technology

VDIP Evolution is an open system and can deal freely with all types of technologies: magnetic badge, proximity (125 kHz, Mifare and Desfire 13.56 MHz), long distance, radio, dual-technology (long distance + proximity). To facilitate use, a single personnel connection is sufficient for pooling different types of badge. Moreover, the system is compatible with different standard protocols on the market (Wiegand, RS485, Aperio, etc.).

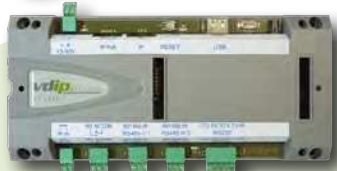
MAIN APPLICATIONS

The tertiary industry and industrial sites, hospitals, the hotel industry, exhibition centres, office access, car parks, fold-away terminals, etc., and numerous other customised applications.





SYSTEM (PLC - PERIPHERAL DEVICES)



VDUC EVO

Programmable Logic Controller (PLC) over IP
REF **130.0000**

- Interface between IP network and RS485 equipments
- Integration of 2 RS485 field bus to manage up to 120 readers via the VDIP protocol and Aperio protocol to manage up to 15 Aperio locks per bus
- RS232 connector to communicate with an external equipment
- Second RJ45 plug to provide switch function
- Radius Authentication (802.1X) and SNMP protocol
- Open case switch
- PoE power supply (or optional external power supply: see p74)
- Case in ABS
- H 210 mm x W 145 mm x D 65 mm



VD 4LECT

VDIP device to connect up to 4 readers, 8 dry contacts and 4 relays
REF **130.0100**

- Can be mounted on Din rail
- Management of up to 4 keypads and/or readers
- Possible installation of keypad in parallel for confirmation code on each drive
- Management of 2 dry contacts by reader
- Management of 1 relay by reader
- Open case switch
- Power Supply 15 to 30V (see p74)
- H 108 mm x W 71 mm x D 33 mm (mounting on rail D 45 mm)



VD LECT

VDIP device to connect 1 reader, 2 dry contacts and 1 relay
REF **110.1200**

- Can be mounted on Din rail
- Management of one keypad or reader
- Possible installation of keypad in parallel for confirmation code
- Management of 2 dry contacts
- Management of 1 relay
- Power Supply 15 to 30V (see p74)
- H 108 mm x W 71 mm x D 33 mm (mounting on rail D 45 mm)



VD 8EI

VDIP device to connect 8 impedance dry contacts
REF **110.1100**

- Can be mounted on Din rail
- Management of 8 impedance dry contacts protected and filtered
- Power Supply 15 to 30V (see p74)
- H 108 mm x W 71 mm x D 33 mm (mounting on rail D 45 mm)



VD 4S

VDIP device to connect 4 relays
REF **110.1000**

- Can be mounted on Din rail
- Management of 4 single pole relays
- Power Supply 15 to 30V (see p74)
- H 108 mm x W 71 mm x D 33 mm (mounting on rail D 45 mm)

IP	Wiegand protocol	Biometric, long distance, radio, dual-technology	Maylis, XELLIP and CAP IP intercom compatible	Access Control Software	Multi-site
RS 485 RS 232 IP	Proximity readers: 125 kHz, 13.56 MHz Mifare, Desfire	Aperio compatible	Secured web architecture	Graphical Overview Software	Multi-station

KEYPAD



VD DIGIC
Wiegand keypad
REF 110.7000

- Keypad for direct access or code confirmation
- Light signalling (red if access is refused and green if authorised)
- Zamak front
- IP54 rating
- Power supply 12V (through VD4Lect or VDlect devices)
- H 183 mm x W 102 mm x D 17 mm (flush-mounted with flush box D 35 mm)
H 183 mm x W 102 mm x D 52 mm (surface-mounted installation)



CLAVIER WIEGAND BRAILLE
Wiegand keypad, keys with Braille
REF 330.0100

- Keypad for direct access
- Large backlit keys with Braille diameter 16 mm (blue)
- Light signalling and buzzer
- Stainless steel vandal proof front panel
- Flush mounted
- Power supply 12V (through VD4Lect or VDlect devices)
- H 135 mm x W 100 mm x D 2,5 mm (flush-mounted with flush box D 40 mm)
H 140 mm x W 105 mm x D 60 mm (surface-mounted with optional surface box ref. 330.0150)

PROXIMITY READERS 125 kHz



VD PROXIC
125 kHz proximity card Reader
REF 110.7400

- Dialog using Wiegand protocol
- Light signalling (red if access is refused and green if authorised)
- Zamak front
- IP54 rating
- Power supply 12V (through VD4Lect or VDlect devices)
- H 183 mm x W 102 mm x D 17 mm (flush-mounted with flush box D 35 mm)
- H 183 mm x W 102 mm x D 52 mm (surface-mounted installation)



LP31/C
125 kHz proximity card reader
REF 910.0080

- Dialog using Wiegand protocol
- Light signalling (blue if powered up, red if access refused and green if access authorised)
- Audible signal when reading a card and through a dry contact
- Digital output (open collector) reports reader being torn from the wall
- Power supply 12V (through VD4Lect or VDlect devices)
- H 99 mm x W 49.5 mm x D 22 mm (surface-mounted installation)



LP31/C AV
Vandal proof 125 kHz proximity card reader
REF 910.0081

- Dialog using Wiegand protocol
- Vandal proof design
- Light signalling (red if access refused and green if access authorised)
- Power supply 12V (through VD4Lect or VDlect devices)
- H 100 mm x W 45 mm x D 16 mm (surface-mounted installation)



LP60 PROX/C
125 kHz proximity card reader
REF 910.0096

- Dialog using Wiegand protocol
- Light signalling (blue if powered up, red if access refused and green if access authorised)
- Audible signal when reading a card and through a dry contact
- Digital output (open collector) reports reader being torn from the wall
- Power supply 12V (through VD4Lect or VDlect devices)
- H 80 mm x W 80 mm x D 19 mm (surface-mounted installation, developed for integration inside housing case diameter 60 mm)



PROX ENROLEUR
USB enrolment device for Castel 125 kHz proximity cards
REF 120.9200



BPC31/C
125 kHz proximity key-ring for LP31/C, LP31/C AV, VD PROX/C, LP60 PROX/C readers
REF 910.0083



BP34/C
125 kHz proximity ISO format card for LP31/C, LP31/C AV, VD PROX/C, LP60 PROX/C readers
REF 910.0082





MIFARE® PROXIMITY READERS 13.56 MHz



VD MI/C

Serial number 13.56 MHz Mifare® proximity reader
REF 110.7300

- Dialog using Wiegand protocol
- CPS3 compatible
- Light signalling (red if access is refused and green if authorised)
- Zamak front
- IP54 rating
- Power supply 12V (through VD4Lect or VDlect devices)
- H 183 mm x W 102 mm x D 17 mm (flush-mounted with flush box D 35 mm)
- - H 183 mm x W 102 mm x D 52 mm (surface-mounted installation)

VD MIS/C

Sector 13.56 MHz Mifare® proximity reader
REF 110.7500



LP32/C

Serial number 13.56 MHz Mifare® proximity reader
REF 910.0084

- Dialog using Wiegand protocol
- CPS3 compatible
- Light signalling (blue if powered up, red if access refused and green if access authorised)
- Audible signal when reading a card and through a dry contact
- Digital output (open collector) reports reader being torn from the wall
- Power supply 12V (through VD4Lect or VDlect devices)
- H 99 mm x W 49.5 mm x D 22 mm (surface-mounted installation)

LP32 MIS/C

Sector 13.56 MHz Mifare® proximity reader
REF 910.0095



LP32/C AV

Vandal proof serial number 13.56 MHz Mifare® proximity reader
REF 910.0085

- Dialog using Wiegand protocol
- CPS3 compatible
- Vandal proof design
- Light signalling (red if access refused and green if access authorised)
- Power supply 12V (through VD4Lect or VDlect devices)
- H 100 mm x W 45 mm x D 16 mm (surface-mounted installation)

LP32 MIS/C AV

Vandal proof sector 13.56 MHz Mifare® proximity reader
REF 910.0100



LP60 MI/C

Serial number 13.56 MHz Mifare® proximity reader
REF 910.0097

- Dialog using Wiegand Protocol
- CPS3 compatible
- Light signalling (blue if powered up, red if access refused and green if access authorised)
- Audible signal when reading a card and through a dry contact
- Digital output (open collector) reports reader being torn from the wall
- Power supply 12V (through VD4Lect or VDlect devices)
- H 80 mm x W 80 mm x D 19 mm (surface-mounted installation, developed for integration inside housing case diameter 60 mm)

LP60 MIS/C

Sector 13.56 MHz Mifare® proximity reader
REF 910.0098



MI ENROLEUR

USB enrolment device for Castel serial number 13.56 MHz Mifare® proximity cards
REF 120.9300

MIS ENCODER

Sector 13.56 MHz Mifare® enrolment / encoder device with associated software
REF 120.9400



BPM34/C

Mifare® key-ring for LP32/C, LP32/C AV, VD MI/C, LP60 MI/C readers
REF 910.0079



BPM32/C

Mifare® card for LP32/C, LP32/C AV, VD MI/C, LP60 MI/C readers
REF 910.0086

BPM36/C

Mifare® 4k card for LP32/C, LP32/C AV, VD MI/C, LP60 MI/C readers
REF 910.0101

DESFIRE® 13.56 MHz MIFARE® PROXIMITY READERS



VD DES

Desfire® 13.56 MHz Mifare® proximity reader

REF 120.7000

- Wiegand protocol
- Integrates AES (Advanced Encryption Standard) encoding algorithm to secure the data transfer
- Light signalling (Red if access is refused and green if authorised)
- Zamak front
- IP54 rating
- Power supply 12V (through VD4Lect or VDlect devices)
- H 183 mm x W 102 mm x D 17 mm (flush-mounted with flush box D 35 mm)
- H 183 mm x W 102 mm x D 52 mm (surface-mounted installation)



LP32 DES

Desfire® 13.56 MHz Mifare® proximity reader

REF 910.0089

- Wiegand protocol
- Integrates AES (Advanced Encryption Standard) encoding algorithm to secure the data transfer
- Light signalling (blue if powered up, red if access refused and green if access authorised)
- Audible signal when reading a card and through a dry contact
- Digital output (open collector) reports reader being torn from the wall
- Power supply 12V (through VD4Lect or VDlect devices)
- H 99 mm x W 49.5 mm x D 22 mm (surface-mounted installation)



LP60 DES

Desfire® 13.56 MHz Mifare® proximity reader

REF 910.0099

- Dialog using Wiegand protocol
- Integrates AES (Advanced Encryption Standard) encoding algorithm to secure the data transfer
- Light signalling (blue if powered up, red if access refused and green if access authorised)
- Audible signal when reading a card and through a dry contact
- Digital output (open collector) reports reader being torn from the wall
- Power supply 12V (through VD4Lect or VDlect devices)
- H 80 mm x W 80 mm x D 19 mm (surface-mounted installation, developed for integration inside housing case diameter 60 mm)



DES ENCODER

Desfire® Mifare® Encoder with associated software

REF 120.9100

- Desfire® Personal cards and readers management software
- USB Encoder (USB cable provided)
- Software to manage transport keys, access keys and cards
- Software event log visualisation



BP34 DES

Mifare® Desfire® key-ring for LP32 DES, VD DES, LP60 DES readers

REF 910.0092



BP32 DES

Desfire® Mifare® card for LP32 DES, VD DES, LP60 DES readers

REF 910.0087





IP ACCESS CONTROL

BIOMETRIC READER



LB32/C
Fingerprints biometric reader
REF 910.0093

- Fingerprints optical scanner
- Features 13.56 MHz proximity card reader
- Authentication mode (biometric data stored in the card)
- Visitors management (card only)
- Light signalling (blue, red, green LEDs)
- 24V power supply (see p74)
- H 190 mm x W 70 mm x D 45 mm (surface-mounted installation)



BPM35/C
Card for LB32/C
REF 910.0094



ENCODEUR BIO USB
USB biometric encoder for LB32/C reader
REF 910.0200

- Management of fingerprint templates encoding on the card
- Acquisition and registration on the card made during the same process (no database: Data Privacy Authority compliant)
- PC connection (via USB): with CASTEL ACCESS, management of fingerprints acquisition, cards management...)
- USB power supply
- H 174 mm x W 100 mm x D 147 mm (with desktop base)

868 MHz RADIO LONG DISTANCE READER



LR01/C
868 MHz radio card reader
REF 910.0090

- Wiegand protocol
- ABS case
- Power supply 12V (through VD4Lect or VDlect devices)
- H 72 mm x W 61 mm x D 18 mm



BR01/C
Dual-technology remote control Mifare® and 868 MHz radio
REF 910.0091

- 4 buttons remote control
- Transmit button codes to LR01/C reader
- Remote control equipped with 13.56 MHz Mifare® microchip
- Fireproof ABS V0 case
- Lithium 3V battery
- H 72.2 mm x W 40 mm x D 14 mm

In addition to the different reader technologies described here (125 kHz, Mifare® 13.56 MHz, Desfire®, biometric and 868 MHz radio long distance), CASTEL can also propose alternative solutions such as 2.45 GHz long distance technology to match any situation.

ENTRY STATIONS WITH ACCESS CONTROL READER

The IP convergence of the CASTEL product ranges provides a way to mix VDIP Evolution access control with the intercom product ranges (XELLIP and CAP IP) to offer a global integrated solution.



XE D-V1B-PROX/C

Full IP/SIP audio video entry station with 1 call button and proximity reader 125 kHz
REF 510.3500

- Vandal proof conception
- Reader 125 kHz and 2 leds (green: authorized access, red: refused access)
- Built-in colour video camera
- Zamac front panel
- 1 call button and 3 leds for disability regulations
- IP65 rating
- PoE power supply (or optional external power supply: see p74)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE D-V1B-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 510.3600

XE D-V1B-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 510.3700

XE D-V1B-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 510.3800



XE D-1B-PROX/C

Full IP/SIP audio entry station with 1 call button and proximity reader 125 kHz
REF 510.3000

- Vandal proof conception
- Reader 125 kHz and 2 leds (green: authorized access, red: refused access)
- Zamac front panel
- 1 call button and 3 leds for disability regulations
- IP65 rating
- PoE power supply (or optional external power supply: see p74)
- H 282 mm x W 110 mm x D 21 mm (flush-mounted with flush box D 47 mm)
H 299 mm x W 118 mm x D 63.5 mm (surface-mounted with surface box)

XE D-1B-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 510.3100

XE D-1B-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 510.3200

XE D-1B-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 510.3300



CAP IP-V1B-PROX/C

Full IP/SIP audio video entry station with 1 call button and 125 kHz proximity reader (disability regulations compliant)
REF 560.6500

- Stainless steel 316 L vandal proof front
- 125 kHz reader with 2 LEDs (green: access authorised, red: access refused)
- Built-in colour video camera
- 1 call button with label
- 3 LEDs (disability regulations)
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p74)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
- H 350 mm x W 135 mm x D 54.5 mm (surface-mounted installation)

CAP IP-V1B-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 560.6600

CAP IP-V1B-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 560.6700

CAP IP-V1B-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 560.6800



CAP IP-1B-PROX/C

Full IP/SIP audio entry station with 1 call button and 125 kHz proximity reader (disability regulations compliant)
REF 560.6000

- Stainless steel 316 L vandal proof front
- 125 kHz reader with 2 LEDs (green: access authorised, red: access refused)
- 1 call button with label
- 3 LEDs (disability regulations)
- Integrated induction loop
- IP64 - IK07 rating
- PoE power supply (or optional external power supply: see p74)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted installation)

CAP IP-1B-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 560.6100

CAP IP-1B-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 560.6200

CAP IP-1B-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 560.6300



PAD IP VIDEO-PROX/C

Full IP/SIP audio video entry station with selectable list name and 125 kHz proximity reader (disability regulations compliant)
REF 560.7500

- Stainless steel 316 L vandal proof front
- 125 kHz reader with 2 LEDs (green: access authorised, red: access refused)
- Built-in colour video camera
- 3 buttons to navigate the call numbers
- Graphic screen 128x64 with backlight
- 3 LEDs (disability regulations) or display on screen
- Integrated induction loop
- IP65 - IK07 rating
- PoE power supply (or optional external power supply: see p74)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted installation)

PAD IP VIDEO-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 560.7600

PAD IP VIDEO-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 560.7700

PAD IP VIDEO-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 560.7800



PAD IP AUDIO-PROX/C

Full IP/SIP audio entry station with selectable list name and 125 kHz proximity reader (disability regulations compliant)
REF 560.7000

- Stainless steel 316 L vandal proof front
- 125 kHz reader with 2 LEDs (green: access authorised, red: access refused)
- 3 buttons to navigate the call numbers
- Graphic screen 128x64 with backlight
- 3 LEDs (disability regulations) or display on screen
- Integrated induction loop
- IP65 - IK07 rating
- PoE power supply (or optional external power supply: see p74)
- H 350 mm x W 135 mm x D 14.5 mm (flush-mounted with flush box D 40 mm)
H 350 mm x W 135 mm x D 54.5 mm (surface-mounted installation)

PAD IP AUDIO-MI/C

Version with reader 13.56 MHz Mifare® serial number
REF 560.7100

PAD IP AUDIO-MIS/C

Version with reader 13.56 MHz Mifare® sector
REF 560.7200

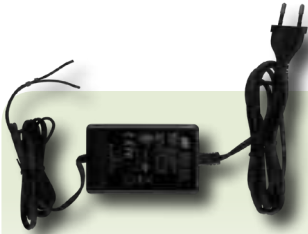
PAD IP AUDIO-DES

Version with reader 13.56 MHz Mifare® Desfire®
REF 560.7300



IP ACCESS CONTROL

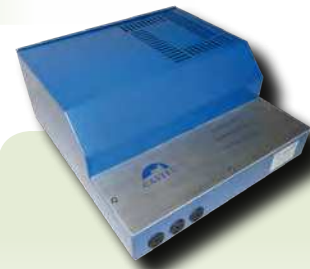
POWER SUPPLIES AND ACCESSORIES



A24V-0A7-F
24VDC 1A power supply
with output wire
REF 110.9000



A24V-2A
24VDC 2A power supply for
Din rail (switch-mode)
REF 110.9100



A24V-3A-S
24VDC 3A power supply (uninterruptable
using 2.1Ah battery)
REF 440.4900-1

CEINTURE 350

Stainless-steel anti-tear housing
(surface-mounting) for CAP IP and
PAD IP intercom stations with reader
REF 560.9300

KIT GRIFFES

Mounting kit for installation on plasterboard - for XE D intercom stations with reader
REF 540.9000
Mounting kit for installation on plasterboard - for CAP IP and PAD IP intercom stations with reader
REF 560.9000

APERIO®

Access control solution VDIP Evolution is compatible with Aperio® locking cylinders and door handles
(Aperio® is a registered trademark of Assa Abloy group).

Aperio® is a new technology combining a Mifare® reader with an electric lock mechanism.

Wireless, the lock is connected to the VDUC Evo through a radio transmitter.

Easy to install, Aperio® provides additional ways to manage access doors with VDIP Evolution.



APERIO CYL SANS HUB

Aperio® online cylinder: electrical lock system with Mifare® reader
- Stainless steel double knob cylinder C100 length 30/30
REF 180.9200



APERIO BEQ SANS HUB

Aperio® online door handle: electrical lock system with Mifare® reader - Standard door handle French Euro profile E100 with door thickness 40/50
REF 180.9100



APERIO SER SANS HUB

Aperio® electromechanical lock with door handle and Mifare® reader - European profile L100 with door thickness 40/50
REF 180.9400



HUB 1/8

Aperio® 1/8 HUB
REF 180.9801

APERIO LOG

Software tool to setup and
configure Aperio® devices/ hubs
(radio communication USB
dongle included)
REF 180.9900

SERVERS



VDIP SERVER

Computer server hosting VDIP Evolution system for configuration and exploitation
REF 110.0500

- Computer server hosting applications Castel Access, Castel Supervisor and Castel Configurator
- Material support on server at D+1 included
- Castel technical support contract available for 2 years to the final client (free the first year - material warranty - and service fee the second year)
- H 42.4 mm x W 434 mm x D 394 mm (rackable 1U black metallic case)



VDIP CLIENT PC

VDIP Evolution system operation PC
REF 110.0600

- Client PC with preconfigured link to the VDIP Evolution Server and installed security strategy
- Material support on server at D+1 included
- Castel technical support contract available for 2 years to the final client (free the first year - material warranty - and service fee the second year)

SOFTWARES



CASTEL ACCESS

Multi-client access control software
REF 110.8200

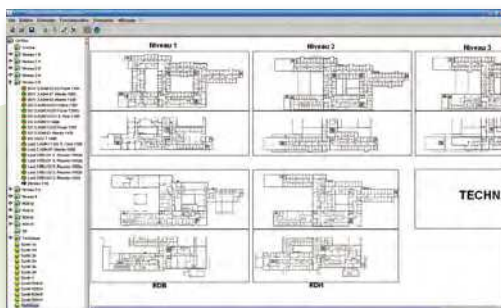
- Management of up to 1,000 VDUC Evo (45,000 cards and 200 access profiles per VDUC Evo)
- Hierarchical rights management
- Visitors management (visit notifications)
- Upload and download of card files or synchronisation with LDAP directories
- Entry lock, anti-pass back areas, anti-time back areas management
- Security features: black list, red list, constraint code, lost card, blocked card
- List access entries by area with multi-criteria search



CASTEL SUPERVISOR

Multi-client graphical monitoring software
REF 110.8300

- Management of up to 10,000 alarm points with unlimited number of graphical views
- Management of events, acknowledgements and alarm handling
- Type of alarms: communication, card blocked or lost, technical problem
- Alarms follow up through chronological event lists or using multi criteria search requests
- Visible and audible signalisation
- Control of cameras, doors, entry locks or communications
- Display of live video stream inside the application using RTSP protocol on any kind of event
- Alarms handling by sending emails or SMS



CASTEL CONFIGURATOR

CASTEL Supervisor configuration software
REF 110.8400



IP ACCESS CONTROL



ACCESS CONTROL SOLUTIONS PERFECTLY ADAPTED TO SMALL AND MID-SIZED COMPANIES

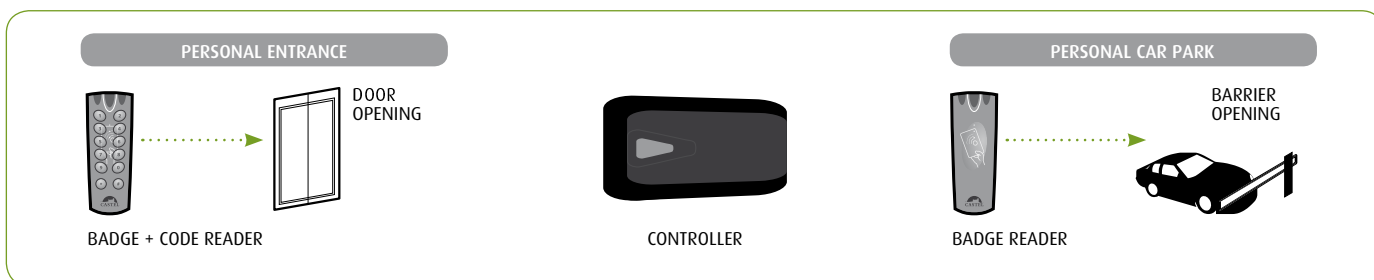
Thanks to these IP access control solutions, you can manage either 2 doors (IPESENS Duo) or 1 door (IPESENS Compact). They are very easy to use, reliable and offer a wide range of possible configurations.



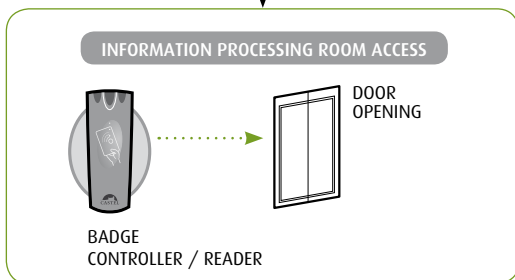
- 5,000 badges / 100 groups / 5 administrator accounts / 20 timeslots / 20 bank holidays / 16 voice messages
- 2 entrance doors or 1 entrance/exit door
- Unlimited number of controllers
- 4 digital inputs (e.g.: 2 PB + 2 door contacts) - 4 relays (2 door relays + 2 modular relays in option - e.g.: broken door alarm, badge refused, lack of dialogue, etc.)
- Mail server (automatic dispatch of an alarm email after an event or for a pre-programmed report)
- PoE power supply

SCHEMATIC

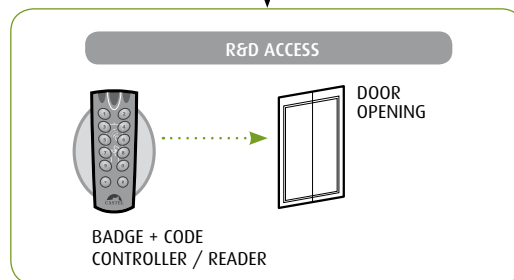
IPESENS DUO



IP NETWORK



IPESENS COMPACT



IPESENS COMPACT

MAIN BENEFITS

A user-friendly web embedded server

No software to install, multi-user and simplified ergonomics.
Database updates are easy via IP.
It allows remote control opening and real-time modification.

A cost-saving solution

Uses existing IP network.
Less cabling: the intelligence is next to the door; near to the exit button, the door contact and the lock.
Events consultation and management, maintenance and checking of the equipment condition are all possible remotely.

Higher security

IPESENS solution allows to authorise access by badge, code or badge + code (secure mode). It also allows duress code management and real-time badge cancellation.

Disabled people accessibility

Both solutions, IPESENS Duo or IPESENS Compact controller, allow easier access for people with disabilities through signalling LEDs and voice messages.

Range of readers

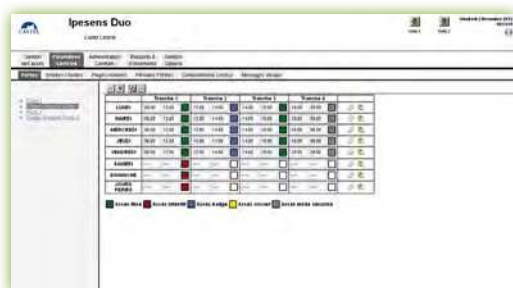
Proximity 13.56 MHz readers with or without keypad and voice messages.

IPESENS Compact: an all-in-one IP solution

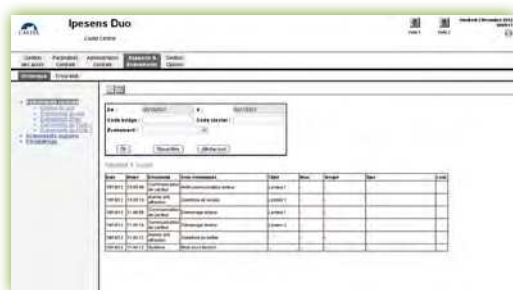
In one product it has all the functions of a controller and a reader managing access control.

> Performance and easy to use:

- Capacity: 5,000 badges and/or 5,000 keypad codes / 100 groups
- 1 door contact
- Multi-user, administration via html page, timeslot / bank holiday management
- Badge and event back-up in case of power cut
- Remote event consultation



Web embedded server - readers management



Web embedded server - event management

MAIN APPLICATIONS

Small and mid-sized companies, professionals, businesses, distribution chains, the hotel industry, office access, etc., and numerous other customised applications.





IP ACCESS CONTROL



FULL IP ACCESS CONTROLLER



IPESENS DUO

2 doors access controller
REF 150.0100

- Management of 2 badge readers
- Up to 5000 badges / 100 groups / 20 timeslots
- 2 relays to open doors
- 4 dry contacts (2 PB + 2 door contacts)
- Configuration through embedded web server (no software to install)
- Embedded mail client (to automatically dispatch alarm emails or report emails)
- PoE power supply (or optional external power supply: see p79)
- H 210 mm x W 145 mm x D 65 mm



OPTION 2E/2S

2 relays and 2 dry contacts option
REF 150.1000

- To connect to IPESENS DUO controller
- Management of 2 additional high impedance dry contacts
- Management of 2 configurable relays

READERS



L PROX DUO

13.56 MHz proximity reader
REF 150.7000

- Reader connected to IPESENS DUO controller
- Cabling with 2 polarised cables
- Up to 100 m maximum between the reader and the controller
- IP54 rating
- Power supply 12VDC (powered by the controller)
- H 176 mm x W 51 mm x D 25 mm (surface-mounted installation, developed for integration inside housing case diameter 60 mm)

L PROX DUO AUDIO

Exists with voice messages
REF 150.7100



L PROX DUO AUDIO CLAY

13.56 MHz proximity reader with keypad and voice messages
REF 150.7200

- Reader connected to IPESENS DUO controller
- Handling of access badges and access codes
- Cabling with 2 polarised cables
- Up to 100 m maximum between the reader and the controller
- IP54 rating
- Power supply 12VDC (powered by the controller)
- H 176 mm x W 51 mm x D 25 mm (surface-mounted installation, developed for integration inside housing case diameter 60 mm)

PACK



IPESENS DUO PACK

Access controller with 2 proximity readers
REF 150.0500

- IPESENS DUO controller
- 2 13.56 MHz proximity readers
- 50 13.56 MHz Mifare® badges
- PoE power supply (or optional external power supply: see p79)
- H 210 mm x W 145 mm x D 65 mm

IP	Management of 1 or 2 doors	Embedded web server	Multi-profile
Central wiring: RJ45 Reader wiring: 1 Pair 9/10	PoE (IEEE 802.3af)	Unlimited number of controllers	Multi-user

FULL IP AUTONOMOUS ACCESS CONTROLLER



IPESENS COMPACT

IP Autonomous access controller / 13.56 MHz proximity reader
REF 150.7500

- Management of 1 badge reader
- Up to de 5000 badges / 100 groups / 20 timeslots
- 1 relay to open the door
- 2 dry contacts (1 inside button to release the door + 1 door status indicator)
- Configuration through embedded web server (No software to install)
- Embedded mail client (to automatically dispatch alarm emails or report emails)
- RJ45 connector
- 12-24V AC/DC power supply (see p79)
- H 176 mm x W 51 mm x D 25 mm (surface-mounted installation, developed for integration inside housing case diameter 60 mm)

IPESENS COMPACT AUDIO

Exists with 13.56 MHz proximity reader and voice messages
REF 150.7600



IPESENS COMPACT AUDIO CLAV

IP Autonomous access controller / 13.56 MHz proximity reader with keypad
REF 150.7700

- Management of 1 badge reader with keypad
- Up to de 5000 badges / 100 groups / 20 timeslots
- 1 relay to open the door
- 2 dry contacts (1 inside button to release the door + 1 door status indicator)
- Configuration through embedded web server (No software to install)
- Embedded mail client (to automatically dispatch alarm emails or report emails)
- RJ45 connector
- 12-24V AC/DC power supply (see p79)
- H 176 mm x W 51 mm x D 25 mm (surface-mounted installation, developed for integration inside housing case diameter 60 mm)

ACCESSORIES



IPESENS CLE

Mifare® key-ring for all IPESENS products
REF 150.6100



IPESENS BADGE

Mifare® badge for all IPESENS products
REF 150.6000



OPTION EMBASE

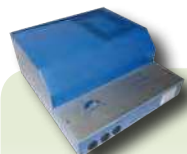
Base for integration inside housing case diameter 60 mm (for Duo readers)
REF 150.9000

POWER SUPPLIES



A24V-2A

24VDC 2A power supply compatible with Din rail (switch-mode)
REF 110.9100



A24V-3A-S

4VDC 3A power supply (uninterruptible using 2.1Ah battery)
REF 440.4900-1



ACCESSORIES

BRING YOU A GLOBAL SOLUTION

Our main aim is to answer all specific requirements of your installation by bringing you a global solution. CASTEL can offer you multiple complementary accessories of its intercom and access control systems ranges.

VIDEO



MONITEUR COUL 10"
Colour Monitor 10" VGA and BNC
REF 310.0000



MONITEUR COUL 21"
Colour Monitor 21" VGA and BNC
REF 310.0100



DISTRI VIDEO 1E/4S
Video distributor 1 input and 4 outputs
REF 310.1000



DISTRI VIDEO 1E/8S
Video distributor 1 input and 8 outputs
REF 310.1100



DVR 8 CH
Numeric multiplexer 8 channels without hard drive and 8 alarm inputs
REF 310.2000

DVR 16 CH
Numeric multiplexer 16 channels without hard drive and 16 alarm inputs
REF 310.2100



KIT EMETTEUR/RECEPTEUR
Transmitter receiver Balun video kit, 1 pair Cat 5
REF 310.3000



TRANSMETTEUR
Active Balun transmitter, 1 channel long distance + power supply
REF 310.3100



RECEPTEUR
Active Balun receiver, 1 channel long distance + power supply
REF 310.3200



ENCODEUR VIDEO IP
Convert an analog video signal (analog intercom station camera) to an IP video signal
REF 310.4100

INTRUSION



DETECTEUR BI VOLU

Dual technology volumetric detector (IR and Microwave) with three-function hemispherical Fresnel lens - NFA2P
REF 320.0000



ROTULE DETECTEUR

Patented orientable ball joint for wall or ceiling installation
REF 320.0100



DETECTEUR TRI TECH EXT

Outdoor triple technology detector - mirror passive IR and microwave double lobe
REF 320.0500



SIRENE INT

Indoor NFA2P siren with battery
REF 320.0300



SIRENE EXT

Outdoor NFA2P siren with battery
REF 320.0600



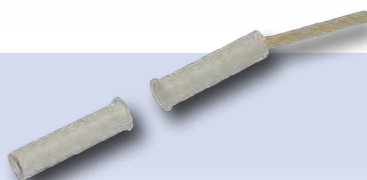
ALIM 12V 2,2A

12VDC 2.2A saved power supply - battery 17 Ah
REF 320.0400



CONTACT DE PORTE

Magnetic contact for surface mounting - for door/window frames
REF 320.0200



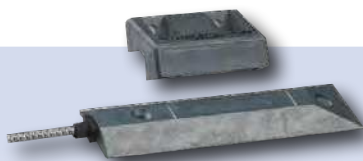
CONTACT DE PORTE NFA2P

Magnetic contact for flush mounting - for door/window frames - NFA2P
REF 320.0900



DETECTEUR D'OUVERTURE NFA2P

Magnetic contact for surface mounting - for door/window frames - NFA2P
REF 320.1000



CONTACT DE SOL SABOT

Magnetic contact for sliding/pivoting doors - NFA2P
REF 320.1100



DETECTEUR BRIS DE VERRE

Glass break detector
REF 320.0800



TRANSMETTEUR TEL

Telephone transmitter - 8 inputs - 4 numbers - voice and digital transmission
REF 320.5000



TRANSMETTEUR TEL SERIAL

Telephone transmitter - 4 numbers (partial mode) or unlimited (full mode) - voice and digital transmission
REF 320.5100





ACCESS CONTROL



CLAVIER AUTONOME

Polycarbonate standalone coded keyboard (IP65) with 2 relays - 1 buzzer
 - Blue backlight keys - 3 Leds
 - Tamper function
 - Programming through via a master code
 - Capacity: 100 user codes
 - Dimensions 120 x 36 x 83 mm - Power supply 12/24V 0,25V not included
 REF 330.0000



CLAVIER AUTONOME AV

Zamak standalone coded keyboard (IP65 - IK10) with 2 relays - 1 buzzer
 - Blue backlight keys - 3 Leds
 - Tamper function
 - Programming through via a master code
 - Capacity: 100 user codes
 - Dimensions 120 x 36 x 83 mm
 - Power supply 12/24V 0,25V not included
 REF 330.0050



CLAVIER AUTONOME BRAILLE

Standalone coded keyboard with backlit keys with Braille diameter 16 mm (blue)
 - 2 relays - Led and operating buzzer
 - Stainless steel vandal proof front panel- Flush mounted
 - Programming through the front panel via a master code
 - Dimensions 135 x 100 x 2,5 mm (flush-mounted with flush box D 40 mm)
 - 140 x 105 x 60 mm (surface-mounted with optional surface box ref. 330.0150)
 - Power supply 12V not included
 REF 330.0200



BP SORTIE

Push button - Integration inside housing box Ø 60 mm - Brush stainless steel front - Laser engraving «door»
 - Dimensions 90 x 90 x 1,5 mm
 REF 330.1000



BP SORTIE H ZAMAK

Zamak push button (IP54 - IK09) - Compliant with disability regulations - Sound information through a buzzer and a green led for door opening information - Permanent blue led lighting - Braille marking and «door» screen printing - Integration inside housing box Ø 60 mm - Optional base for surface mounting ref. 330.1250 - Dimensions 90 x 90 x 24 mm (95 x 95 x 39 mm with base) - Power supply 12/24V not included
 REF 330.1200



VENTOUSE ENCASTRE 300KG 24V

Magnetic lock flush mounting standard compliant NFS61937 - Holding power 3000N - Length 230 mm - Width 38mm - Depth 27mm - 24V
 REF 320.1200



VENTOUSE APPLIQUE 300KG 24V

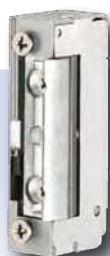
Magnetic lock surface mounting standard compliant NFS61937 - Holding power 3000N - Length 250mm - Width 42mm - Depth 25mm - 24V
 REF 320.1300

EQUERRE DE MONTAGE TYPE L

Angle bracket for surface mounting magnetic lock
 REF 320.1400

EQUERRE DE MONTAGE TYPE L+Z

Angle bracket L and Z combine for surface mounting magnetic lock
 REF 320.1500



GACHE 128 SS TET 10/24V

Stationary contact fail secure electrical strike
 - Height 66mm
 - Width 16mm
 - Depth 25,5mm - 10/24V
 REF 320.1700



GACHE 128 E SS TET 10/24V

Stationary contact fail secure electrical strike
 - Manual opening
 - Height 66mm - Width 16mm
 - Depth 25,5mm - 10/24V
 REF 320.1800

BOITIER CONTROLE DE POSITION

Position control box - Equipped with a floating contact (standby position information: lock) and a floating contact (security position information: unlock)
 REF 320.1600

TETIERE HZ INOX

Standard stainless faceplate with latch bolt and dead bolt opening - Length 250mm - Width 25mm - Thickness 3mm
 REF 320.1900

CARDS PERSONALISATION



IMPRIMANTE

Plastic card printer ZN1U0000RS ZENIUS
REF 330.5000



LOGICIEL PRO

eMedia-CS Software professional version
REF 330.5100



WEB CAM

Web quick pro webcam
REF 330.5400

LACET

Plastic card holder lanyard
REF 330.5500

RUBAN

5 panel colour ribbon YMCKO
(for 100 printing)
REF 330.5200

KIT NETTOYAGE

Cleaning kit Regular ACL001
(for 1000 printing)
REF 330.5300

PORTE BADGE

Plastic card holder
REF 330.5600

POWER SUPPLIES



RACK ALIM 24V24A

24V 24A (rack) saved power supply
- (batteries)
REF 350.1000



RACK ALIM 12V24A

12V 24A (rack) saved power supply
- (batteries)
REF 350.1100



COFF ALIM 24V16A

24V 16A (boxed) saved power supply
- (batteries)
REF 350.1200



RACK ALIM AES24V24A

AES 24V 24A (rack) saved power supply
- (batteries)
REF 350.1300



ALIM AES 24V 3A S

AES 24V 3A 7Ah saved power supply
- (batteries) standards compliant NFS 61940
REF 350.1400



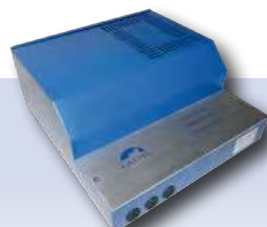
ALIM A24V 6A S

24V 6A (boxed) saved power supply
- (batteries)
REF 350.1500



CONV 24/12V

24/12VDC 3A converter
REF 350.1600



A12V-3AS

12V 3A saved power supply - (batteries)
REF 350.1700





ACCESSORIES

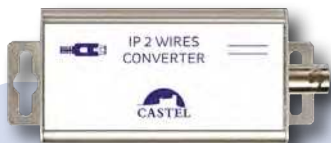
AUDIO



HP/MICRO USB

Jabra Speak 410 MS Speakerphone USB
REF 300.0000

NETWORK



IP 2 WIRES CONVERTER

Allow to connect a remote IP equipment on two wires (up to 500 meters on a twisted pair). Made of 1 module installed upstream and connected to the switch and 1 module installed downstream and connected to the remote IP equipment.
REF 310.5000

COLUMNS



POTELET VL 250

P500 aluminium post
- Height 1,50m
- RAL colour aluminium 9006
- Ground plate mounting with 4 rawl plugs
- Ø 10 not provided
- With a pre cut for CAP 250
REF 340.0000



POTELET VL 350

P500 aluminium post
- Height 1,50m
- RAL colour aluminium 9006
- Ground plate mounting with 4 rawl plugs
- Ø 10 not provided
- With a pre cut for CAP 350
REF 340.0100

DESIGNATION	REFERENCE	PAGE	DESIGNATION	REFERENCE	PAGE	DESIGNATION	REFERENCE	PAGE
A12V-3AS	350.1700	83	CAPH REP	660.9000	50	KIT GRIFFRES	540.9000	31-74
A15V-0A4-F	496.1100	61	CAPH V1B	660.6000	48	KIT GRIFFRES	560.9000	31-52-74
A15V-0A4-J	440.7100	45-65	CAPH V1B CLAV	660.6600	49	KIT NETTOYAGE	330.5300	83
A24V-0A7-F	110.9000	31-35-74	CAPH V2B	660.6100	48	KIT SAILLIE CAP IP HT 280	440.3100	22-25
A24V-0A7-J	540.6000	31	CAPH V2B CLAV	660.6700	49	KIT SAILLIE PAD AUDIO	650.9500	53
A24V-2A	110.9100	31-35-45-65-74-79	CAPH V3B	660.6200	48	KIT SAILLIE PAD VIDEO	650.9600	53
A24V-3A-S	440.4900-1	31-45-65-74-79	CAPH V4B	660.6300	48	LACET	330.5500	83
ALIM 12V 2,2A	320.0400	81	CAPH V6B	660.6400	48	LB32/C	910.0093	72
ALIM A24V 6A S	350.1500	83	CAPH V10B	660.6500	48	LOGICIEL PRO	330.5100	83
ALIM AES 24V 3A S	350.1400	83	CASI	220.0000	64	LOG PCX	490.0100	59
APERIO BEQ SANS HUB	180.9100	74	CASTEL ACCESS	110.8200	75	LP31/C	910.0080	69
APERIO CYL SANS HUB	180.9200	74	CASTEL CONFIGURATOR	110.8400	31-45-64-75	LP31/C AV	910.0081	69
APERIO LOG	180.9900	74	CASTEL SIP APPLICATION		31-32-33-34-35	LP32/C	910.0084	70
APERIO SER SANS HUB	180.9400	74	CASTEL SIP PACK 1EXT	560.8500	35	LP32/C AV	910.0085	70
BGPH	220.0100	65	CASTEL SIP PACK V1B	560.8000	34	LP32 DES	910.0089	71
BGPH D	230.0000	65	CASTEL SIP PACK V1B CLAV	560.8700	35	LP32 MIS/C	910.0095	70
BGPH DM	210.2000	65	CASTEL SIP PACK V1B MI/C	560.8800	35	LP32 MIS/C AV	910.0100	70
BGPH DM BOUCLE AUDITIVE	210.2100	65	CASTEL SIP PACK V2B	560.8100	34	LP60 DES	910.0099	71
BGPH E	210.0200	65	CASTEL SIP PACK V3B	560.8200	34	LP60 MI/C	910.0097	70
BGPH E BOUCLE AUDITIVE	210.0300	65	CASTEL SIP PACK V4B	560.8300	35	LP60 MIS/C	910.0098	70
BGPH ENCASTRE	210.0000	65	CASTEL SIP PACK VPAD	560.8400	35	LP60 PROX/C	910.0096	69
BOITIER CONTROLE DE POSITION	320.1600	82	CASTEL SUPERVISOR	110.8300	31-45-64-75	L PROX DUO	150.7000	78
BP32 DES	910.0087	71	CEINTURE 250	560.9200	31-35-52	L PROX DUO AUDIO	150.7100	78
BP34 DES	910.0092	71	CEINTURE 350	560.9300	31-35-52-74	L PROX DUO AUDIO CLAV	150.7200	78
BP34/C	910.0082	69	CEINTURE INOX	490.4500	52-61	LR01/C	910.0090	72
BPC31/C	910.0083	69	CLAVIER AUTONOME	330.0000	82	MA20W	440.5300	59
BPM32/C	910.0086	70	CLAVIER AUTONOME AV	330.0050	82	MAI	440.2700	38
BPM34/C	910.0079	70	CLAVIER AUTONOME BRAILLE	330.0200	82	MAYLIS SERVER	440.7000	45
BPM35/C	910.0094	72	CLAVIER WIEGAND BRAILLE	330.0100	69	MBGPH	440.5600	41
BPM36/C	910.0101	70	COFF ALIM 24V16A	350.1200	83	MC4L	440.3600	43
BP SORTIE	330.1000	82	COFR 3U	220.1300	64	MC5D	475.2600	58
BP SORTIE H ZAMAK	330.1200	82	COMBD	490.3100	58	MC5T	490.0900	58
BR01/C	910.0091	72	COMBINE PS	460.1500	59	MCB	440.3500	43
CAP IP-1B-P	560.0000	24	COMBS	490.3000	57	MCB8	440.0900	43
CAP IP-1B-P HT 280	560.0020	25	CONTACT DE PORTE	320.0200	81	MCB-R	440.4400	43
CAP IP-1B-W	560.1000	24	CONTACT DE PORTE NFA2P	320.0900	81	MCE	440.3700	43
CAP IP-1B-CLAV-P	560.0600	25	CONTACT DE SOL SABOT	320.1100	81	MCE-R	440.5400	43
CAP IP-1B-CLAV-W	560.1600	25	CONV 24/12V	350.1600	83	MDIRD	490.0000	44-58
CAP IP-1B-DES	560.6300	27-73	CPFH	210.1000	65	MDIRS	490.0800	57
CAP IP-1B-MI/C	560.6100	27-73	DES ENCODER	120.9100	71	MDS	440.4000	44
CAP IP-1B-MIS/C	560.6200	27-73	DETECTEUR BI VOLU	320.0000	81	MED	440.2300-1	38
CAP IP-1B-PROX/C	560.6000	27-73	DETECTEUR BRIS DE VERRE	320.0800	81	MI ENROLEUR	120.9300	70
CAP IP-2B-P	560.0100	24	DETECTEUR D'OUVERTURE NFA2P	320.1000	81	MIRFO	440.3800	44
CAP IP-2B-W	560.1100	24	DETECTEUR TRI TECH EXT	320.0500	81	MIRFOL	440.3900	44
CAP IP-3B-P	560.0200	24	DISTR VIDEO 1E/4S	310.1000	80	MIS ENCODER	120.9400	70
CAP IP-3B-W	560.1200	24	DISTR VIDEO 1E/8S	310.1100	80	MKMED	440.3100	44
CAP IP-4B-P	560.0300	24	DVR 8 CH	310.2000	80	MKSP	440.2800	44-65
CAP IP-4B-W	560.1300	24	DVR 16 CH	310.2100	80	ML	440.4500	44
CAP IP-6B-P	560.0400	24	ENCODEUR BIO USB	910.0200	72	ML CASI	440.4500	65
CAP IP-6B-W	560.1400	24	ENCODEUR VIDEO IP	310.4100	80	MO25	396.0000	59
CAP IP-10B-P	560.0500	24	EQUERRE DE MONTAGE TYPE L	320.1400	82	MOC	440.5100-1	44
CAP IP-10B-W	560.1500	24	EQUERRE DE MONTAGE TYPE L+Z	320.1500	82	MOD 7 Z	220.1900	64
CAP IP-V1B-P	560.2000	21	EXT PCX II	475.2100	58	MONITEUR COUL 10"	310.0000	80
CAP IP-V1B-P HT 280	560.2020	22	FOND ENCASTREMENT	490.4600	52-61	MONITEUR COUL 21"	310.0100	80
CAP IP-V1B-SCREEN-P	565.2000	23	GACHE 128 E SS TET 10/24V	320.1800	82	MP	440.2000-1	38
CAP IP-V1B-W	560.3000	21	GACHE 128 SS TET 10/24V	320.1700	82	MP CASI	250.0000	64
CAP IP-V1B-CLAV-P	560.2600	22	GLA	240.0000	65	MPE	440.2200-1	38
CAP IP-V1B-CLAV-W	560.3600	22	GLAD	240.0100	65	MPE ENV BRUYANT	440.2220	38
CAP IP-V1B-DES	560.6800	27-73	HP/MICRO USB	300.0000	84	MPP	440.2100-1	38
CAP IP-V1B-MI/C	560.6600	27-73	HP10	396.3000	59	MPP CASI	250.0100	64
CAP IP-V1B-MIS/C	560.6700	27-73	HPP15	396.3200	59	MREP OdB	440.5500	43
CAP IP-V1B-PROX/C	560.6500	27-73	HUB 1/8	180.9801	74	MRT	440.1800	45
CAP IP-V2B-P	560.2100	21	IE1A	460.5000	60	MSB4	440.2400-1	39
CAP IP-V2B-W	560.3100	21	IG 2000	470.9000	57	MSC	440.3000	41
CAP IP-V3B-P	560.2200	21	IMPRIMANTE	330.5000	83	MSC GACHE	440.3050	41
CAP IP-V3B-W	560.3200	21	INDUCTION LOOP	540.3100	31-44-51	MSE1	440.1900-1	39
CAP IP-V4B-P	560.2300	21	IP 2 WIRES CONVERTER	310.5000	84	MSE1 ENV BRUYANT	440.1920	39
CAP IP-V4B-W	560.3300	21	IP CASI	220.3200	64	MSE4	440.2600-1	39
CAP IP-V6B-P	560.2400	21	IP MAYLIS	440.5700	45	MSE4 ENV BRUYANT	440.2620	39
CAP IP-V6B-W	560.3400	21	IPESENS BADGE	150.6000	79	MSK1	440.3300-1	42
CAP IP-V10B-P	560.2500	21	IPESENS CLE	150.6100	79	MSK ASC	440.9000	42
CAP IP-V10B-W	560.3500	21	IPESENS COMPACT	150.7500	79	MSK1 AV-CELL	100366	43
CAPH 1B	660.0000	49	IPESENS COMPACT AUDIO	150.7600	79	MSM	440.4300	44
CAPH 1B BRUIT	660.0010	49	IPESENS COMPACT AUDIO CLAV	150.7700	79	MSP4	440.2500-1	39
CAPH 1B CLAV	660.0600	50	IPESENS DUO	150.0100	78	MSP11	440.0500	39
CAPH 2B	660.0100	49	IPS2	650.1000	52	MSP11 AV	440.0600	39
CAPH 2B CLAV	660.0700	50	IPS2 8T8L	650.1500	52	MSP11 AV-CELL1	100346	42
CAPH 3B	660.0200	49	IPS2 T	650.1300	52	MSP11 AV-CELL2	101166	42
CAPH 4B	660.0300	49	IPS 8L	650.1400	52	MSP11 AV-CELL3	101257 and 101263	42
CAPH 6B	660.0400	50	IPS H	650.1200	52	MSP11 AV-HELP	440.0110	42
CAPH 10B	660.0500	50	KIT EMETTEUR/RECEPTEUR	310.3000	80	MSP11 AV-LIAISON	440.0650	43

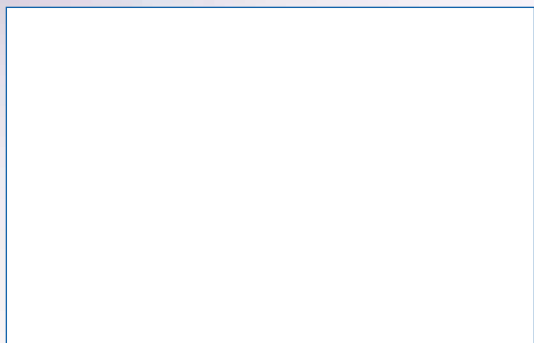
DESIGNATION	REFERENCE	PAGE	DESIGNATION	REFERENCE	PAGE	DESIGNATION	REFERENCE	PAGE
MSP11 AVNH	440.1250	40	PI-D 1BP 3A	460.4100	60	XE K-1B 3 LEDS	540.5750	30
MSP11 AVNH V	440.1200	40	PI-D 1BP 3A AV	460.4150	60	XE K-1B-CELL	101274	29
MSP11 EAS	440.0300	41	PI-D AV	460.4050	60	XE K-1B-LIAISON	540.5300	30
MSP11H AV	440.0700	40	PI-D VIDEO C	460.4500	60	XE K-V1B-P	540.5700	30
MSP11 ROUGE H 180	440.0550	39	PIH AV	460.2800	60	XE MED-P	540.4000	20
MSP12 AV-HELP	440.0210	42	PORTE BADGE	330.5600	83	XE MED-W	540.4100	20
MSPIDH 1B	440.8000	40	POSTE PATIENT VISITEUR 1W	480.8200 and 480.8300	61	XE MONITOR-P	500.8000	20
MSPIDH 2B	440.8100	40	POSTE PATIENT VISITEUR 8W	480.8000 and 480.8100	61	XE P-1B-CELL1	101270	29
MSPIDH 4B	440.8200	40	POTELET VL 250	340.0000	84	XE P-1B-CELL2	101271	29
MSPIDH V1B	440.8500	40	POTELET VL 350	340.0100	84	XE P-1B-CELL3	101272 and 101273	29
MSPIDH V2B	440.8600	40	PRIT	650.4000	51	XE P-1B-HELP	530.7000	28
MSPIDH V4B	440.8700	40	PRIT AV	650.4100	51	XE P-1B LIAISON V2	530.3100	29
MT2	440.5200	44	PRIT AVNH	650.4200	51	XE P-1B-P V2	530.2100	26
MT4E4	440.4800	43	PRIT AVNH V	650.4600	51	XE P-1B-W V2	530.1100	26
OPTION 2E/2S	150.1000	78	PRIT FACE AV ROUGE	650.4050	51	XE P-2B-HELP	530.7100	28
OPTION EMBASE	150.9000	79	PROX ENROLEUR	120.9200	69	XE SEL-3B-P	510.2200	26
PACK EAS 1	445.0100	41	PSD 2000	460.0000	59	XE SEL-3B-W	510.1200	26
PACK EAS 2	445.0200	41	PSD 2000 S	460.0100	59	XE SEL-V3B-P	510.2700	23
PACK EAS 3	445.0300	41	PSD 2003	460.1000	59	XE SEL-V3B-W	510.1700	23
PACK EAS 4	445.0400	41	R2PCX	490.0400	58	XEKMED	540.4400	31
PACK EAS 5	445.0500	41	RACK ALIM 12V24A	350.1100	83	XELLIP MEDIA	540.1000	31
PACK EAS 6	445.0600	41	RACK ALIM 24V24A	350.1000	83	XELLIP ROUTEUR	540.0000	30
PACK EAS 7	445.0700	41	RACK ALIM AES24V24A	350.1300	83	XELLIP SERVEUR MAX	540.0100	30
PACK EAS 8	445.0800	41	RACK EXT1	220.0900	64	XELLIP SERVEUR MAX VIRTUEL	540.1400	30
PACK EAS 9	445.0900	41	RACK EXT2	220.1100	64	XELLIP TRANSFER	540.2000	31
PACK EAS 10	445.1000	41	RECEPTEUR	310.3200	80			
PACK IPESENS DUO	150.0500	78	REPORT	220.1400	64			
PAD AUDIO	650.2700	53	ROTULE DETECTEUR	320.0100	81			
PAD IP AUDIO-1B-P	560.4000	25	RUBAN	330.5200	83			
PAD IP AUDIO-1B-W	560.4500	25	SIRENE EXT	320.0600	81			
PAD IP AUDIO-3B-P	560.4100	25	SIRENE INT	320.0300	81			
PAD IP AUDIO-3B-W	560.4600	25	TELPXC	490.1700	58			
PAD IP AUDIO-CLAV-P	560.4200	25	TETIERE HZ INOX	320.1900	82			
PAD IP AUDIO-CLAV-W	560.4700	25	TRANSMETTEUR	310.3100	80			
PAD IP AUDIO-DES	560.7300	27-73	TRANSMETTEUR TEL	320.5000	81			
PAD IP AUDIO-MI/C	560.7100	27-73	TRANSMETTEUR TEL SERIAL	320.5100	81			
PAD IP AUDIO-MIS/C	560.7200	27-73	TSI	210.3000	65			
PAD IP AUDIO-PROX/C	560.7000	27-73	VD 4LECT	130.0100	68			
PAD IP VIDEO-1B-P	560.5000	22	VD 4S	110.1000	68			
PAD IP VIDEO-1B-W	560.5500	22	VD 8EI	110.1100	68			
PAD IP VIDEO-3B-P	560.5100	22	VD DES	120.7000	71			
PAD IP VIDEO-3B-W	560.5600	22	VD DIGIC	110.7000	69			
PAD IP VIDEO-CLAV-P	560.5200	22	VDIP CLIENT PC	110.0600	75			
PAD IP VIDEO-CLAV-W	560.5700	22	VDIP SERVER	110.0500	75			
PAD IP VIDEO-DES	560.7800	27-73	VD LECT	110.1200	68			
PAD IP VIDEO-MI/C	560.7600	27-73	VD MI/C	110.7300	70			
PAD IP VIDEO-MIS/C	560.7700	27-73	VD MIS/C	110.7500	70			
PAD IP VIDEO-PROX/C	560.7500	27-73	VD PROX/C	110.7400	69			
PAD VIDEO	650.2900	53	VDUC Evo	130.0000	68			
PC2001 1PH/1G	470.7000	56	VENTOUSE APPLIQUE 300KG 24V	320.1300	82			
PC2002 DX	470.5100	56	VENTOUSE ENCASTRE 300KG 24V	320.1200	82			
PC2002 P DX	470.6100	56	WEB CAM	330.5400	83			
PC2005 3PH/2G	470.7100	57	XE CLAV-P	510.2500	26			
PC2005 AX	470.0100	56	XE CLAV-W	510.1500	26			
PC2005 P SX/DC	470.3000	56	XE CLAV-V-P	510.2900	23			
PC2005 SX/AC	470.0000	56	XE CLAV-V-W	510.1900	23			
PC2005 SX/DC	470.2000	56	XE D-1B-P	520.2000	25			
PC2010 5PH/5G	470.7200	57	XE D-1B-W	520.1000	25			
PC2010 AX	470.0300	56	XE D-1B-DES	510.3300	28-73			
PC2010 P SX/DC	470.3200	56	XE D-1B-MI/C	510.3100	28-73			
PC2010 SX/AC	470.0200	56	XE D-1B-MIS/C	510.3200	28-73			
PC2010 SX/DC	470.2200	56	XE D-1B-PROX/C	510.3000	28-73			
PC2015 AX	470.0400	56	XE D-3B-P	510.2100	26			
PC2015 P AX	470.1400	56	XE D-3B-W	510.1100	26			
PC2020 10PH/10G	470.7300	57	XE DESK-GRAPH-P	500.2000	20			
PC2020 AX	470.0500	56	XE DESK-GRAPH-W	500.1000	20			
PC2020 P AX	470.1500	56	XE DESK-SCREEN V-P	500.2600	20			
PCX 10D AX	475.5000	57	XE DESK-SCREEN V-W	500.1600	20			
PCX 10D DX	475.5500	57	XE D-V1B-P	520.2500	22			
PCX 10D P AX	475.6000	57	XE D-V1B-W	520.1500	22			
PCX 10D P DX	475.6500	57	XE D-V1B-DES	510.3800	28-73			
PCX II AX	475.0100	58	XE D-V1B-MI/C	510.3600	28-73			
PCX II DX	475.0600	58	XE D-V1B-MIS/C	510.3700	28-73			
PCX II P AX	475.1100	58	XE D-V1B-PROX/C	510.3500	28-73			
PCX II P AX	475.1600	58	XE D-V3B-P	510.2600	23			
PI	460.2000	60	XE D-V3B-W	510.1600	23			
PI ODB ADF	460.7000	60	XE HANDSET-GRAPH-P	500.5000	20			
PI 1BP 3A	460.1900	60	XE HANDSET-GRAPH-W	500.4000	20			
PI 1BP 3A AV	460.2700	60	XE HANDSET-SCREEN V-P	500.5600	20			
PI AV	460.2500	60	XE HANDSET-SCREEN V-W	500.4600	20			
PI-D	460.4000	60	XE K-ASC-P	570.0000	30			



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