



IP access control

A GLOBAL SECURITY SOLUTION FOR COMMERCIAL INDUSTRIAL BUILDINGS, AND SENSIBLE SITES



The convergence of technologies between CASTEL and SYNCHRONIC allows us to provide a global security solution for intercom, access control, anti-intrusion, supervision and video surveillance.



- > Access control from 1 to over 10,000 readers and up to 200,000 users
- > Access rights administration via web browser
- > Viewing passages and instream in real time
- > Great functions (readers management by site/area/sector, multiple badge numbers per user, duplicable timetables, encoding and printing badges...)
- > Supervision and centralisation of technic alarms, intrusion, fire, access control, video surveillance, robots...
- > Management of multi-layer plans
- > Audio video IP intercom (convergence with XELLIP range)
- > Planning and room booking

IP	RS 485	Wiegand, DataClock, RS 485 readers protocols	Biometric, long distance, radio, multi-technology, LPR, Bluetooth	XELLIP intercom compatible
	Control access software	Multi-site Multi-station	Proximity readers: 13.56 MHz Mifare, Desfire	Locking cylinders and door handles
	Secured web architecture	Supervision software	Planning	



MAIN APPLICATIONS

Tertiary and industrial sites, hospital centres, retirement homes, laboratories, hotels, banks and insurance companies, exhibition centres, office access, car parks, fold-away city terminals, high-rise buildings, public buildings, ports, public authorities, military sites, prisons... , and many other customised applications.



Bluetooth
Intercom with Bluetooth reader and Castel Evo Web configuration Cloud application



Access control and room planning/ reservation interfacing

MAIN BENEFITS

A user-friendly and open solution

The softwares are engineered to be compatible with all types of users. The system has a simple and user-friendly interface designed for easy learning and use. It also has a multilingual interface. As it uses an open and nonproprietary database, the solution allows an interfacing (webservices) and synchronization with your own bases and directories.

A complete software suite

Made up of three main standalone software that can be globalised, the software suite offers all the must-have features for your security, including access control, graphic supervision of your alarms, and video surveillance management.

A multi-site and multi-building solution

It enables centralised management of the access control system. It is possible to manage a system spread over multiple buildings or multiple sites. The client/server architecture allows the system to be used from several client workstations, while retaining the advantages of a centralised database.

A multi-technology and high performance solution

The system is an open system and can work with all types of technologies, proximity cards (13,56 MHz Mifare® Classic / Ultralight C / Plus, Mifare® Desfire®, CPS3), long distance, biometric, LPR, Bluetooth...

A complete solution of access control, planification and reservation

In addition to its access control expertise, Castel offers additional solutions completely integrated into Synchronic by Castel solutions. Castel has a partnership with Jesplan, in order to offer new solutions to public authorities, for the management of their sports, administrative, cultural and leisure facilities. The developments carried out by the companies allows a native interfacing of solutions in order to have a full solution for access control, planning and rooms booking.





IP access control



Access control

The access right management software is designed to be adapted to all types of sites (SMEs, SMIs, industrial sites, etc.). Standalone access control software and/or centralised on different computer networks. It can manage from 1 to more than 10,000 readers per server, with a user capacity of up to 200,000 users.

Supervision

The supervisor allows management and reception technical and security alarms. It offers an all-in-one interface that allows operators to manage all the information coming from the different equipment. The software uses a standardised client/server architecture, allowing data exchanges with other centralisation applications.

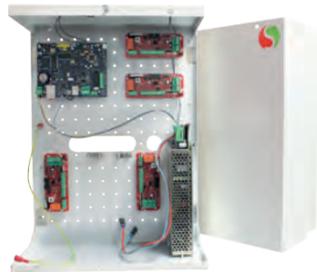
CCTV Management

Smart video surveillance management system, independent of any manufacturer. You can integrate video streams from multiple hardware solutions into a single interface. It can be used as a standalone solution or in conjunction with the supervisor, allowing a complete supervision of your security system.

A natively upgradeable range of solutions

ANSI-CSPN-2022/08 certification - UTL XSecur'Evo Version 1.1

ACCESS CONTROL UNIT



3A-XPERIAL-4L

Xperial concentrator - Management of 4 readers expandable to 15
REF 390.3660

- > IP native concentrator for access control management
- > Management 4 readers expandable to 15
- > Multi-sites, multi-buildings
- > Compatible with aiR'Evolution suite
- > Compatible with differents identification technologies
- > POE power supply (option)
- > Powered box 12V/1,7A
- > Sealed battery 12V/17Ah in option (REF 29-SP160)

3A-XPERIAL-4L-PL

Version for Planitech interfacing
REF 390.7496

ACCESS CONTROL AND ANTI-INTRUSION UNITS



3A-XPRIME-1L5

Xprime system - 1 bus - Management max. of 15 readers/15 keypads/120 alarm points/30 outputs
REF 390.3720

- > Xprime system 1 bus
- > 300 user families
- > 135 time slots
- > Up to 15 readers - 15 keypads - 120 alarm points - 30 outputs
- > From 400 to 20 000 user codes
- > IP native
- > Powered box 12V/5A
- > Sealed battery 12V/17Ah in option (REF 29-SP160)

3A-XPRIME-1L-PL

Version for Planitech interfacing
REF 390.7610



3A-XPRIME

Xprime robot - 3 bus - Management max. of 45 readers/45 keypads/360 alarm points/90 outputs
REF 390.3680

- > Xprime system 1 bus
- > 300 user families
- > 135 time slots
- > Up to 45 readers - 45 keypads - 360 alarm points - 90 outputs
- > From 400 to 20 000 user codes
- > IP native
- > Powered box 12V/5A
- > Sealed battery 12V/17Ah in option (REF 29-SP160)

3A-XPRIME-PL

Version for Planitech interfacing
REF 390.7030



29-CAL01-1205

12V/5A box - To integrate 6 UTR/UTP
REF 390.0340

- > Steel box
- > To integrate 6 UTR/UTP
- > Integrated 12V/5A charger unit - ALI01 type
- > H 420 mm x W 320 mm x D 175 mm
- > Sealed battery 12V/17Ah in option (REF 29-SP160)

29-SP160

Sealed battery 12V/17Ah
REF 390.0620

PROGRAMMABLE LOGIC CONTROLLERS



31-UTP1

Processing unit 1 reader 1 door
REF 390.3240

- > Connection to RS485 bus
- > Data-Clock or Wiegand interface
- > LEDs status displays
- > Local or remote tamper contact
- > Low battery and mains failure management
- > Available inputs: CP, FP, BBV, BP output, BP input, AP, Mains fault
- > Available outputs: Relays, buzzer, LV, LR
- > Output number: 1
- > ABS case
- > Power consumption: 30mA / 12Vdc

31-UTP1-PL

Version for Planitech interfacing
REF 390.7611



31-UTP2

Processing unit card 2 readers 1 or 2 doors
REF 390.3300

- > Connection to RS485 bus
- > Data-Clock or Wiegand interface
- > LEDs status displays
- > Local or remote tamper contact
- > Low battery and mains failure management
- > Available inputs: CP, FP, BBV, BP output, BP input, AP, Mains fault
- > Available outputs: Relays, buzzer, LV, LR
- > Outputs number: 2
- > ABS case
- > Power consumption: 30mA / 12Vdc

Multi-technology secure access control

CASTEL has developed intercoms with built in readers associating the latest Mifare® contactless chip technology and a Bluetooth authentication using Smartphones.

Multi-technology, intercoms are upgradeable to Mifare DesFire® technologies, CSP3, Ultralight®, double pooling ...

Settings are configured via Castel Evo Web, an intuitive Cloud application with 3 configuration modes (simple, advanced, expert). It can be used to encode configuration badges for upgradeable readers and user badges.

Bluetooth access control

This solution integrates virtual access cards in Smartphones, improving the access control security as well as feeling more instinctive.

Your Smartphone becomes the access key, giving up the traditional access control constraints.

3 modes are available (badge, remote control, hands-free).

PROXIMITY READERS 13,56 MHZ EVOLVING

(MIFARE® PLUS, MIFARE® SECTOR, BLUETOOTH ET MIFARE® DESFIRE®)



LP40 EVO

13,56 MHz evolving compact reader
REF 910.0373

- > Mifare Plus evolving reader to Bluetooth and / or customised configuration (Mifare secteur, Mifare desfire, Double pooling)
- > Upgradeable with Castel Evo Web software
- > Castel Virtual Card Application to use Bluetooth reader
- > Wiegand protocol
- > Light signalling (blue if powered up, red if access refused and green if access authorised)
- > Pulling out detection using accelerometer
- > IP65 - IK10 rating
- > Surface mounted
- > Power supply 10 to 14VDC
- > H 90mm x W 47mm x D 23mm
- > Weights 65g



LP80 EVO

13,56 MHz evolving reader
REF 910.0374

- > Mifare Plus evolving reader to Bluetooth and / or customised configuration (Mifare secteur, Mifare desfire, Double pooling)
- > Upgradeable with Castel Evo Web software
- > Castel Virtual Card Application to use Bluetooth reader
- > Wiegand protocol
- > Light signalling (blue if powered up, red if access refused and green if access authorised)
- > Pulling out detection using accelerometer
- > IP65 - IK10 rating
- > Surface or flush-mounted
- > Power supply 10 to 14VDC
- > H 90mm x W 85mm x D 25mm
- > Weights 85g



LPK80 EVO

13,56 MHz evolving reader with keypad
REF 910.0375

- > Mifare Plus evolving reader to Bluetooth and / or customised configuration (Mifare secteur, Mifare desfire, Double pooling)
- > Upgradeable with Castel Evo Web software
- > Castel Virtual Card Application to use Bluetooth reader
- > Keypad for access direct
- > Wiegand protocol
- > Light signalling (blue if powered up, red if access refused and green if access authorised)
- > Pulling out detection using accelerometer
- > IP65 - IK10 rating
- > Surface or flush-mounted
- > Power supply 10 to 14VDC
- > H 90mm x W 85mm x D 25mm
- > Weights 85g



BP SECUR

13,56MH badge for EVO readers (LP40 EVO, LP80 EVO, LPK80 EVO) and XELLIP EVO intercoms with access control reader
REF 160.0800



BP KEY SECUR

13,56MH key-ring for EVO readers (LP40 EVO, LP80 EVO, LPK80 EVO) and XELLIP EVO intercoms with access control reader
REF 160.0810



BP34 DES

Mifare® Desfire® key-ring for LP40, LP80 and LPK80 (Desfire® configuration)
REF 910.0092



CASTEL VIRTUAL CARD

Virtual access badge management application.

- > iOS and Android application to use of a smartphone as an ID access (virtual badge)
- > For EVO readers et intercoms with access control reader



BP32 DES

Mifare® Desfire® badge for LP40, LP80 and LPK80 (Desfire® configuration)
REF 910.0087

PROXIMITY READERS 13,56 MHZ EVOLVING
(MIFARE® PLUS, MIFARE® SECTOR, BLUETOOTH ET MIFARE® DESFIRE®)



PACK PROG EVO
Encoder and Castel Evo Web software
REF 910.0387

- > Users badge management (13,56 MHz proximity cards)
- > Reader configuration cards creation for LP40 EVO, LP80 EVO and LPK80 EVO readers and EVO intercoms with access control reader
- > 3 configuration modes: simple, advanced and expert
- > Ergonomic software interface



31-UTP-USBMF1
USB reader enrolment device for 13,56 MHz proximity badge
REF 390.3360

- > USB 13.56 MHz proximity enrolment reader
- > Read/write (encoder)
- > Mifare® Ultralight® & Ultralight® C, Mifare® Classic & Classic EV1, Mifare Plus®, Desfire® EV1 & EV2, NFC, SMART MX, CPS3, Moneo, iCLASS® & PicoPass®
- > Reading distance up to 8 cm
- > H 107 mm x W 80 mm x D 26 mm

PROXIMITY READERS 13,56 MHZ AND BLUETOOTH



LPBT 23
13,56 MHz and Bluetooth reader
REF 910.0133

- > 13,56 MHz proximity cards & Bluetooth reader (virtual card on smartphone)
- > 5 authentication modes (card, remote, slide, hands-free, tap tap)
- > Light signal (2 programmable leds)
- > Audio signal (built in buzzer)
- > Pulling out detection using accelerometer
- > IP65 – IK10 rating
- > External power supply 7 to 28 V
- > H 107 mm x W 80 mm x D 26 mm



LPBT 23 CLAV
13,56 MHz and Bluetooth reader with keypad
REF 910.0148

- > 13,56 MHz proximity cards & Bluetooth reader (virtual card on smartphone)
- > 5 authentication modes (card, remote, slide, hands-free, tap tap)
- > Sensitive keypad
- > Light signal (2 programmable leds)
- > Audio signal (built in buzzer)
- > Pulling out detection using accelerometer
- > IP65 – IK08 rating
- > External power supply 7 to 28 V
- > H 107 mm x W 80 mm x D 26 mm



KIT DE PROGRAMMATION BLUETOOTH
Configuration kit (including software) for Bluetooth readers
REF 910.0205

- > Users badge management (13,56 MHz proximity cards & virtual cards)
- > Reader configuration cards creation
- > Security keys and configuration management
- > Smart and ergonomic software interface
- > Local and offline programming



ENROLEUR USB BLUETOOTH
USB enrolment device for 13,56 MHz proximity and Bluetooth badge
REF 120.9500

CREDIT BLUE
STID Mobil ID virtual badge - Offline operation
REF 910.0206

CREDIT BLUE ONL
STID Mobil ID virtual badge - Offline operation
REF 910.0207

KEYPADS



31-TCLAV11
Vandal proof keypad for direct access - Data Clock
REF 390.2540

- > Waterproof clock and data emulation keypad
- > 12 metal keys
- > 3 colors kit included: grey blue red
- > Connection to UTP
- > IP66 - IK10 rating
- > 12 to 24V power supply
- > H 100 mm x W 85 mm x D 22 mm



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 12 to 24V
- > • 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 (surfacemounted with optional surface box REF 330.0150)

13,56 MHZ BIOMETRIC READERS



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
- > H 190 mm x W 70 mm x D 45 mm (surface-mounted installation)



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)



LECT BIO DES
Fingerprints biometric 13,56 MHz Mifare® reader
REF 910.0170

- > 13,56 MHz MIFARE® Desfire® EV1/EV2, MIFARE® Desfire®, MIFARE® Plus®, MIFARE® Classic, MIFARE® Ultralight® proximity cards reader
- > Serial number and/or security reading: Centralised key management, the player supports 2 different Desfire configurations + fingerprints
- > Authentication mode (biometric data stored in cards)
- > Pulling out detection using accelerometer with key deletion function
- > IP65 - IK10 rating
- > Power supply 7 to 28V
- > H 148 mm x W 80 mm x D 71.3 mm

KIT DE PROGRAMMATION BIO
Configuration kit (including software) for high security cards and fingertips USB reader
REF 910.0180

- > Users tag and cards management
- > Reader configuration cards creation
- > Biometric reading
- > Smart and ergonomic software interface

QR CODE READER MIFARE® AND QR CODE

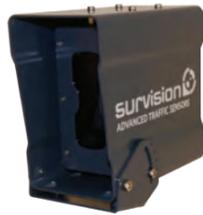


LP ARC EVO QR CODE

Mifare® 13,56 MHz and QR Code reader
REF 910.0169

- > 13,56 MHz proximity card reader
- > QR Code reader for temporary accesses, visitor management
- > Light signal (2 programmable leds)
- > Audio signal (built in buzzer)
- > Pulling out detection using accelerometer
- > IP65 - IK08 rating
- > Power supply 7 to 28 V
- > H 156.5 mm x W 80 mm x D 36 mm

LICENSE PLATE RECOGNITION (LPR)

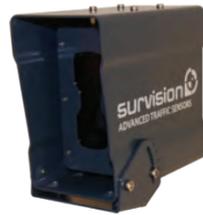


31-TLPV-06

Licence plate Micropak 3 VARIO reader for one country / state - reading from 2 to 6 m up to 250 km/h

REF 910.0320

- > LPR camera included
- > Using Wiegand protocol
- > Reading distance 2 to 6 m
- > Covered track width up to 4 m
- > Full integrated with PCPass Evolution
- > Day and night operation
- > Multiple mounting modes
- > Power supply 24V (3 m cable), support and mounting kit included
- > Aluminium casing - 7031 RAL
- > IP67 rating
- > H 130 mm x W 70 mm x D 115 mm
- > Weights 1.58 kg



31-TLPV-15

Licence plate Micropak 3 VARIO reader for one country / state - reading from 4 to 15 m up to 250 km/h

REF 910.0330

- > LPR camera included
- > Using Wiegand protocol
- > Reading distance 4 to 15 m
- > Covered track width up to 4 m
- > Full integrated with PCPass Evolution
- > Day and night operation
- > Multiple mounting modes
- > Power supply 24V (3 m cable), support and mounting kit included
- > Aluminium casing - 7031 RAL
- > IP67 rating
- > H 130 mm x W 70 mm x D 115 mm
- > Weights 1.58 kg

31-TLP-BRAS

Mounting kit for 31-TLPV-06 or 31-TLPV-15

REF 390.2700

31-TLP-MAT

Mast mounting adapter for 31-TLPV-06 or 31-TLPV-15 (deep 31-TLP-BRAS)

REF 390.2720



31-TLPV-VBS

Licence plate reader - reading distance up to 8 m

REF 390.5700

- > LPR camera included
- > Using Wiegand protocol
- > Reading distance up to 8 m
- > Full integrated with PCPass Evolution
- > External power supply 24V
- > Aluminium casing
- > Wall mounting included
- > IP67 rating
- > H 90 mm x W 178 mm x D 133 mm
- > Weights 1.25 kg

31-TLPV-VBS-MAT

Mast support for 31-TLPV-VBS plate reader

REF 390.5720

LONG DISTANCE READERS 868 MHZ RADIO



LR01 EVO

868 MHz radio card reader pour BR01 SECUR remote

REF 910.0377

- > Wiegand protocol
- > ABS case
- > Power supply 12 to 24V or VAC
- > Connexion on UTP
- > IP67 rating
- > H 158.3mm x D 95.3mm x D 34.5mm

ANTENNE LR01/C

Antenna for LR01/C (antenna delivered with cable and mounting bracket)

REF 910.0117



BR01 SECUR

Dual-technology remote control Mifare® and 868 MHz radio

REF 910.0376

- > 4 buttons remote control
- > Transmit button codes to LR01/C reader
- > Remote control equipped with 13.56 MHz Mifare® Plus microchip
- > Max reading range 50 m
- > Fireproof ABS VO case
- > Lithium 3V battery
- > H 72.2 mm x W 40 mm x D 14 mm

BR01/DES

Dual-technology remote control Mifare® Desfire® and 868 MHz radio

REF 910.0124

LONG DISTANCE READERS UHF 868 MHZ



LECTEUR UHF SPECTRE

UHF long range reader

REF 910.0149

- > Ranged and automated vehicles identification
- > Controls up to 4 lines simultaneously
- > Reader supports up to 4 antenna
- > Max reading range 13 m
- > Antenna made of ABS and polycarbonate / aluminium casing reader
- > Mounting kit included
- > IP66 - IK10 rating
- > 12V power supply
- > H 348.7 mm x W 279.2 mm x W 45.1 / 83.6 mm



SPECTRE NANO

UHF multi-technologies and Bluetooth long range reader

REF 910.0166

- > Ranged and automated vehicles and/or drivers identification
- > Using RS485 / RS232 / TTL protocol
- > Antenna integrated with circular polarization
- > Reading distance up to 6 m with ETIQUETTE UHF / BADGE UHF TELETAG and up to 20 m with Bluetooth smartphone
- > Antenna made of ABS and polycarbonate / aluminium casing reader
- > Wall or mast mounting
- > Wall mounting kit included
- > IP65 - IK10 rating
- > Power supply 12V
- > H 183 mm x W 230 mm x D 35 mm



BADGE UHF TELETAG

UHF Teletag passive batteryless badge for vehicles

REF 910.0131

ETIQUETTE UHF

UHF stickers for vehicles (96.5 mm x 22.2 mm x 0.36 mm)

REF 910.0134

BADGE UHF MIFARE

UHF + Mifare® 1k badge

REF 910.0123



Contrôle
d'accès IP



ALL-IN-ONE INTERCOM AND ACCESS CONTROL SYSTEMS

A real concentrate of technologies, these all-in-one solutions combine a Full IP/SIP audio-video communication station and an access control reader that can be integrated into a centralised system or operate standalone.

MULTI-TECHNOLOGY SECURE ACCESS CONTROL

CASTEL has developed intercoms with built in readers associating the latest Mifare® contactless chip technology and a Bluetooth authentication using Smartphones.

Multi-technology, intercoms are upgradeable to Mifare DesFire® technologies, CSP3, Ultralight®, double pooling ...

Settings are configured via Castel Evo Web, an intuitive Cloud application with 3 configuration modes (simple, advanced, expert). It can be used to encode configuration badges for upgradable readers and user badges.

BLUETOOTH ACCESS CONTROL

This solution integrates virtual access cards in Smartphones, improving the access control security as well as feeling more instinctive.

Your Smartphone becomes the access key, giving up the traditional access control constraints.



CARD MODE:

By placing your Smartphone in front of the reader.



REMOTE MODE:

By pressing the Unlock button on your smartphone.



HANDS-FREE MODE:

By simply passing in front of the reader.

INTERCOMS WITH ACCESS CONTROL READER



XE VIDEO 1B MI EVO

Audio video Full IP/SIP entry station with 1 call button and upgradeable Mifare+ and Bluetooth reader DDA compliant

REF 590.3000

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > HD colour video camera – Wide angle 170° (ONVIF)
- > Full Duplex 10 W communications
- > 1 call button and backlighting label
- > 3 leds DDA compliant
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 375 mm x W 145 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- > • H 375 mm x W 145 mm x D 63 mm (surface-mounted)

XE VIDEO 1B BLE STID

Audio video Full IP/SIP entry station with 1 call button and Bluetooth reader DDA compliant

REF 590.6900



XE VIDEO 1B CLAV MI EVO

Audio video Full IP/SIP entry station with 1 call button, keypad and upgradeable Mifare+ and Bluetooth reader DDA compliant

REF 590.3400

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > HD colour video camera – Wide angle 170° (ONVIF)
- > Full Duplex 10 W communications
- > Numerical keypad for direct dial and access code, buttons with braille
- > 1 call button and backlighting label
- > 3 leds DDA compliant
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 493 mm x W 155 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- > • H 493 mm x W 155 mm x D 63 mm (surface-mounted)

XE VIDEO 1B CLAV BLE STID

Audio video Full IP/SIP entry station with 1 call button, keypad and Bluetooth reader DDA compliant

REF 590.1160



XE VIDEO 2B MI EVO

Audio video Full IP/SIP entry station with 2 call buttons and upgradeable Mifare+ and Bluetooth reader DDA compliant

REF 590.3200

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > HD colour video camera – Wide angle 170° (ONVIF)
- > Full Duplex 10 W communications
- > 2 call buttons and backlighting labels
- > 3 leds DDA compliant
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 375 mm x W 145 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- > • H 375 mm x W 145 mm x D 63 mm (surface-mounted)

XE VIDEO 2B BLE STID

Audio video Full IP/SIP entry station with 2 call buttons and Bluetooth reader DDA compliant

REF 590.6000



XE PAD VIDEO CLAV MI EVO

Audio video Full IP/SIP entry station with names scrolling, keypad and upgradeable Mifare+ and Bluetooth reader DDA compliant

REF 590.3800

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > HD colour video camera – Wide angle 170° (ONVIF)
- > Full Duplex 10 W communications
- > Numerical keypad for direct dial and access code, buttons with braille
- > 3 keys for names scrolling
- > 2,8 inch TFT 240x320 colour screen
- > 3 pictograms for DDA compliance displayed on screen
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 493 mm x W 155 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- > • H 493 mm x W 155 mm x D 63 mm (surface-mounted)

XE PAD VIDEO CLAV BLE STID

Audio video Full IP/SIP entry station with names scrolling, keypad and Bluetooth reader DDA compliant

REF 590.7910



XE PAD VIDEO MI EVO

Audio video Full IP/SIP entry station with names scrolling and upgradeable Mifare+ and Bluetooth reader DDA compliant

REF 590.3600

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > HD colour video camera – Wide angle 170° (ONVIF)
- > Full Duplex 10 W communications
- > 3 keys for names scrolling
- > 2,8 inch TFT 240x320 colour screen
- > 3 pictograms for DDA compliance displayed on screen
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 375 mm x W 145 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- > • H 375 mm x W 145 mm x D 63 mm (surface-mounted)

XE PAD VIDEO BLE STID

Audio video Full IP/SIP entry station with names scrolling and Bluetooth reader DDA compliant

REF 590.7900

INTERCOMS WITH ACCESS CONTROL READER



XE AUDIO 1B MI EVO
Audio Full IP/SIP entry station with 1 call button and Bluetooth reader DDA compliant
REF 590.3100

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > Full Duplex 10 W communications
- > 1 call button and backlighting label
- > 3 leds DDA compliant
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 375 mm x W 145 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- H 375 mm x W 145 mm x D 63 mm (surface-mounted)

XE AUDIO 1B BLE STID
Audio Full IP/SIP entry station with 1 call button and upgradeable Mifare+ and Bluetooth reader DDA compliant
REF 590.6400



XE AUDIO 2B MI EVO
Audio Full IP/SIP entry station with 2 call buttons and upgradeable Mifare+ and Bluetooth reader DDA compliant
REF 590.3300

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > Full Duplex 10 W communications
- > 2 call buttons and backlighting labels
- > 3 leds DDA compliant
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 375 mm x W 145 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- H 375 mm x W 145 mm x D 63 mm (surface-mounted)

XE AUDIO 2B BLE STID
Audio Full IP/SIP entry station with 2 call buttons and Bluetooth reader DDA compliant
REF 590.5500



XE PAD AUDIO MI EVO
Audio Full IP/SIP entry station with with names scrolling and upgradeable Mifare+ and Bluetooth reader DDA compliant
REF 590.3700

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > Full Duplex 10 W communications
- > 3 keys for names scrolling
- > 2,8 inch TFT 240x320 colour screen
- > 3 pictograms for DDA compliance displayed on screen
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 375 mm x W 145 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- H 375 mm x W 145 mm x D 63 mm (surface-mounted)

XE PAD AUDIO BLE STID
Audio Full IP/SIP entry station with with names scrolling and Bluetooth reader DDA compliant
REF 590.7400



XE AUDIO 1B CLAV MI EVO
Audio Full IP/SIP entry station with 1 call button, keypad and upgradeable Mifare+ and Bluetooth reader DDA compliant
REF 590.3500

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > Full Duplex 10 W communications
- > Numerical keypad for direct dial and access code, buttons with braille
- > 1 call button and backlighting label
- > 3 leds DDA compliant
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 493 mm x W 155 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- H 493 mm x W 155 mm x D 63 mm (surface-mounted)

XE AUDIO 1B CLAV BLE STID
Audio Full IP/SIP entry station with 1 call button, keypad and Bluetooth reader DDA compliant
REF 590.1060



XE PAD AUDIO CLAV MI EVO
Audio Full IP/SIP entry station with names scrolling, keypad and upgradeable Mifare+ and Bluetooth reader DDA compliant
REF 590.3900

- > Stainless steel 316 L vandal proof front panel
- > Upgradeable Mifare+ reader and Bluetooth
- > 2 leds (green: access granted, red: access refused)
- > Full Duplex 10 W communications
- > Numerical keypad for direct dial and access code, buttons with braille
- > 3 keys for names scrolling
- > 2,8 inch TFT 240x320 colour screen
- > 3 pictograms for DDA compliance displayed on screen
- > Integrated induction loop
- > IP65 – IK08 rating
- > 2 RJ45 (switch function), USB port, RS485 bus, 6 inputs, 2 relays
- > PoE power supply (or optional external power supply)
- > • H 493 mm x W 155 mm x D 2 mm (flush-mounted with flush box D 61 mm)
- H 493 mm x W 155 mm x D 63 mm (surface-mounted)

XE PAD AUDIO CLAV BLE STID
Audio Full IP/SIP entry station with names scrolling, keypad and Bluetooth reader DDA compliant
REF 590.7410

APERIO®



APERIO CYL SANS HUB
Aperio® online cylinder: electrical lock system with Mifare® reader - Stainless steel double knob cylinder C100
REF 180.9200



APERIO CYL DOUBLE LECT
Aperio® online cylinder double readers: electrical lock system with Mifare® reader - Stainless steel double knob cylinder C100
REF 180.9300



APERIO DEMI CYL
Aperio® online half cylinder: electrical lock system with Mifare® reader - Stainless steel knob cylinder C100
REF 180.9250



APERIO H100 DROITE
H100 Aperio® on rose electronic handle with Mifare® reader - right opening
REF 180.1170

APERIO H100 GAUCHE
H100 Aperio® on rose electronic handle with Mifare® reader - left opening
REF 180.1171



APERIO BEQ SANS HUB
Aperio® online door handle: electrical lock system with Mifare® reader - Standard door handle French Euro profile E100
REF 180.9100



APERIO BEQ CODE SANS HUB
Aperio® online door handle: electrical lock system with Mifare® reader + keypad - Standard door handle French Euro profile E100
REF 180.9102



APERIO SER SANS HUB
Aperio® electromechanical lock with door handle and Mifare® reader - European profile L100
REF 180.9400



A1-HUB5
Hub radio for 5 Aperio® cylinders or door handles - Max. distance 20 m
REF 390.4300



ANTENNE EXTERNE APERIO
External antenna for communication 1/8 hub
REF 180.9501

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

EMBOUT POIGNEE H100
U shape ending for H100 handles
REF 180.9512

ROSACE H100 CYL EUR
H100 European cylinder rose
REF 180.9513

APERIO OUTIL CYL V3
V3 cylinder tool
REF 180.9503

SOFTWARES ACCESS CONTROL - PC PASS EVOLUTION



31-LCA-015

PCPASS Evolution - Single computer - Management of 15 readers or keypads - 400 users

REF 390.1820

- > Access rights administration software - single computer
- > Stand-alone and/or centralized operation on different types of computer networks
- > Management of 15 readers or keypads
- > Management of 400 users
- > Standard databases (SQL, mySQL, ...)
- > Photo booth integrated
- > Multi-site, multi-building architecture
- > A lot of extension softwares
- > Interactive timelines
- > Multi-technologies (proximity, biometric, radio,...)
- > Software extensions available
- > Compatible with other aiREvolution softwares

31-LCA-030

PCPASS Evolution - Single computer - Management of 30 readers or keypads expandable to 5 000 - 4000 users expandable to 200,000

REF 390.1840

31-LCA-050

PCPASS Evolution - Multi computers - Management of 50 readers or keypads expandable to 5 000 - 10 000 users expandable to 200,000 - 1 customer license included

REF 390.1860

31-LCAE-WWW

IPCPASS - PCPASS extension - Management of access control on web browser - Provide 31-LCA-050 or superior

REF 390.2120

- > HTML application customer/server for management and administration access control installation and/or keys management
- > No software installation on workstations
- > Access rights administration via web browser
- > Hierarchical access
- > Use on any computer on a network
- > Management via ADSL/GPRS, ...
- > Shareable and hostable version
- > Compatible with all systems (Windows, Mac, Linux...)

31-LCAE-MILESTONE

PCPASS Evolution Plugin Milestone Acces Control extension

REF 390.6680

- > To integrate access control Milestone X-Protect
- > Provide 31-LCA-050 or superior and a Milestone X-Protect Acces license per reader

31-LCA-100

PCPASS Evolution - Multi computers - Management of 100 readers or keypads expandable to 5 000 - 10 000 users expandable to 200,000 - 1 customer license included

REF 390.1880

31-LCA-200

PCPASS Evolution - Multi computers - Management of 200 readers or keypads expandable to 5 000 - 10 000 users expandable to 200,000 - 1 customer license included

REF 390.1900

31-LGVIS-WWW

IVISPASS - PCPASS extension - Visitor management module on web browser - Provide 31-LCA-050 or superior

REF 390.2200

- > Web application to manage visitor flows on a site withPCPass Evolution
- > Allocation of visitor badges with limited rights and validity
- > Visits history
- > Visitor rights selection
- > Visitors list
- > Interaction with PCPass Evolution access control system
- > Pre-entry of visits
- > Management of virtual badges as QR Code or random code - send by email

31-LGVIS-PRESAISIE

IVISIPASS extension - module for the person being visited and send QR Code or access code by email

REF 390.2180

SOFTWARES SUPERVISION - HORIZON EVOLUTION



31-L4SUPM0150

HORIZON Evolution - 150 Points (inputs + outputs) - 1 customer license included

REF 390.1560

- > Centralization and supervision software
- > Support technic alarms, intrusion and fire, access control, video surveillance, video matrix, intercom and automats
- > Up to 150 points (inputs / outputs)
- > 1 license customer included
- > Multi-layer plan management
- > Single computer or multi-computer
- > Video controls
- > Local / remote management
- > Intranet management

31-L4SUPM0300

HORIZON Evolution - 300 Points (inputs + outputs) - 1 customer license included

REF 390.1580

31-L4SUPM0500

HORIZON Evolution - 500 Points (inputs + outputs) - 1 customer license included

REF 390.1600

31-L4SUPM1000

HORIZON Evolution - 1000 Points (inputs + outputs) - 1 customer license included

REF 390.1620

31-L4SUP-PR

HORIZON Evolution - Centrale Galaxy HONEYWELL protocol

REF 390.1700

SOFTWARES VIDEO MANAGEMENT - VISION EVOLUTION 2



28-SOC-BASIC

Qognify VMS Basic Core version

REF 390.7338

- > 50 MAX cameras
- > 5 local, web, mobile or remote unlimited customers
- > Unlimited input/output equipment
- > Map
- > Transmission

28-SOCAMBASIC

License for Basic camera

REF 390.7336

28-SOC-ADVANCED

Qognify VMS Advanced Core version

REF 390.7334

- > Same features as 28-SOC-BASIC with the exception of:
- > Unlimited cameras
- > Secured redundancy management
- > Overwall image
- > SDK
- > Complex alarm scenarios
- > VOIP support

28-SOCAMADV

License for Advanced camera

REF 390.7335

28-SOC-INF

Qognify VMS Infinity Core version

REF 390.0100

- > Same features as 28-SOC-ADVANCED with the exception of:
- > Fail over recordings
- > Multi-levels administration
- > Active directory support

28-SOCAMINF

Licence for Infinity camera

REF 390.0040

SOFTWARES ROOM PLANNING AND BOOKING



31-LCAP-PLANITECH
Synchronic/Planitech interfacing licence

REF 390.6690

Connecting Synchronic by Castel access control solution to Planitech planning-booking solution

PC AND SERVERS PC SERVER



53-UC0022

UC INTEL I3 from DELL or equivalent

REF 390.7050

- > 8 Go RAM / SSD 250 Go
- > Win 10 PRO
- > Synchronic software loaded
- > Limited to 30 'LCA-030' drives beyond which a rack server is required

53-UC0033

UC INTEL I5 from DELL or equivalent

REF 390.7100

PC AND SERVERS RACK SERVERS



53-UC0034R

UC Xeon rack server from DELL or equivalent

REF 390.7110

- > 16 Go RAM / 2 To HDD
- > Win Srv 2019 Essentials
- > Synchronic software loaded
- > Provide a 900mm deep bay with front and rear mounting brackets



53-UC0034RR

UC Xeon rack server from DELL or equivalent

REF 390.7090

- > 16 Go RAM / 600 Go Raid 1
- > Win Srv 2019 Essentials
- > Alimentation redondante
- > Synchronic software loaded
- > Provide a 900mm deep bay with front and rear mounting brackets

PC AND SERVERS

OPERATION PC 1 SCREEN



53-UC0022
UC INTEL I3 from DELL or equivalent
REF 390.7050

- > 8 Go RAM / SSD 250 Go
- > Win 10 PRO
- > Synchronic software loaded
- > Horizon supervision possibility without video surveillance
- > Provide a screen (see samples below)

OPERATION PC 2 SCREENS



53-UC0033
UC INTEL I5 from DELL or equivalent
REF 390.7140

- > 8 Go RAM / SSD 250 Go
- > Win 10 PRO
- > Synchronic software loaded
- > Horizon supervision management with video surveillance
- > Provide a screen (see samples below)

OPERATION PC 3 SCREENS



53-UC0034
UC INTEL I7 from DELL or equivalent
REF 390.7170

- > 8 Go RAM / SSD 250 Go
- > Win 10 PRO
- > Synchronic software loaded
- > Horizon supervision management with video surveillance
- > Provide a screen (see samples below)

PC AND SERVERS SCREENS



53-LCD22W-I
22 inch LED screen
REF 390.3920



53-LCD24W-I
24 inch LED screen
REF 390.3940



53-LCD27W
27 inch LED screen
REF 390.6360

ALARM PROCESSING UNITS INTRUSION



31-UTR-2R
Input / output interface card
REF 390.3380

- > Input / output interface card
- > 8I/2O, 4I/6O, 10O configuration
- > 2 relays
- > Operating voltages from 9 Vdc to 18 Vdc
- > Card consumption 30 mA at 12 Vdc
- > In ABS case (REF BTVU-P3)

31-UTR-2R-PL
Planitech interface version
REF 390.7612



31-TCL06
Indoor keypad LCD 2 lines - red and green LEDs
REF 390.2500

- > Indoor keypad 2 lines LCD display
- > Active backlight
- > Bus RS485 connection
- > 2 green and red LEDs controlled by keypad or programming
- > Access control or alarm function
- > Dimensions 140 x 135 x 46 mm
- > Power consumption at 12V: 35 mA



CN-XPE-4G
IP transmission module on LTE/4G for Xprime central/Xsecu0x-2B/Multibanque - Provide microSIM SIM card
REF 390.5920

- > SIA/CID DC-09 transmitter via mobil network for Synchronic UGL
- > XPE-LTE-UGL card (plug-in in place of XPE-RTC) and remote XPE-LTE case via RS422 bus

ACTIVATION CARDS



CARD EVO 1
Activation card to expanding functions for 1 EVO reader
REF 910.0379

- > Activation card to expanding functions
- > 1 reader type LP40 EVO / LP80 EVO / LPK80 EVO
- > Functions available: Mifare secteur / Mifare desfire / Double pooling

CARD EVO 5
Activation card to expanding functions for 5 EVO readers
REF 910.0380

CARD EVO 10
Activation card to expanding functions for 10 EVO readers
REF 910.0381

CARD EVO 20
Activation card to expanding functions for 20 EVO readers
REF 910.0382



CARD BLE 1
Activation card to Bluetooth function for 1 EVO reader
REF 910.0383

- > Activation card to Bluetooth function
- > 1 reader type LP40 EVO / LP80 EVO / LPK80 EVO

CARD BLE 5
Activation card to Bluetooth function for 5 EVO readers
REF 910.0384

CARD BLE 10
Activation card to Bluetooth function for 10 EVO readers
REF 910.0385

CARD BLE 20
Activation card to Bluetooth function for 20 EVO readers
REF 910.0386

ACCESSORIES FOR INTERCOMS WITH ACCESS CONTROL READER

CEINTURE 375
Stainless-steel belt for big XE units (H 375 mm)
REF 590.9320

CEINTURE 493
Stainless-steel anti-tear housing (surface mounting) for very big XE units (H 493 mm) (door entry stations with keyboard and reader)
REF 590.9100

KIT GRIFFES XE2
Plasterboard mounting kit for XELLIP intercom
REF 590.9600

KIT DOME CAMERA XE2
5 camera lens + tool pack
REF 590.9700

VISIERE 375
Rain shield for big XE units (H 375 mm)
REF 590.9500