



FoxSec®

INTELLIGENT ACCESS CONTROL & INTRUDER ALARM SYSTEMS

ABOUT US

Hardmeier OÜ has manufactured FoxSec access control and security systems since 1994. Today we have more than 20,000 installed systems around the world. All of our hardware and software is produced in the highest quality assurance standards.

When buying FoxSec products, you obtain excellent value for money, a high degree of flexibility in terms of integrated solutions, and a comprehensive after-sales service, along with technical support. Our development department pays a great deal of attention to the wishes of our clients, and carefully examines any customer feedback. As a result, FoxSec is always at the forefront of development trends and every year the company is able to offer new products and integration solutions.

FOXSEC SYSTEMS & SOLUTIONS

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EXAMPLES

FS9511G OLED KEYPADS

- 2 x 20 character OLED keyboard with back lighting
- Touchpad movement sensor. Touchpad is dark, it only lights up when detecting movement (configurable)
- Activating and deactivating security in specific areas, changing the PIN number, displaying and accepting alarms, temporary restraining of users, sensors or expansion modules, a 100-keypad event memory
- Fast and friendly interface
- Built-in proximity reader (optional)
- Silicone buttons with back lighting
- Power voltage 12VDC
- Operating temperature between 0 → + 40°C (without evaporation), IP55, 170 x 125 x 25mm
- Optical separation, i.e. power can be taken from the power supply unit of any data communication line, also from the door controller
- Electronic tamper.



FS9002G MAIN UNIT

FoxSec FS9002G is EN50131 Grade 3 certified integrated security and access control system designed for large installations. Securing 240 Areas, up to 790 zones (32 on main board, expandable to 480 zone inputs and 62 door sensors on main board, expandable to 310 door sensors) and controlling up to 310 doors.

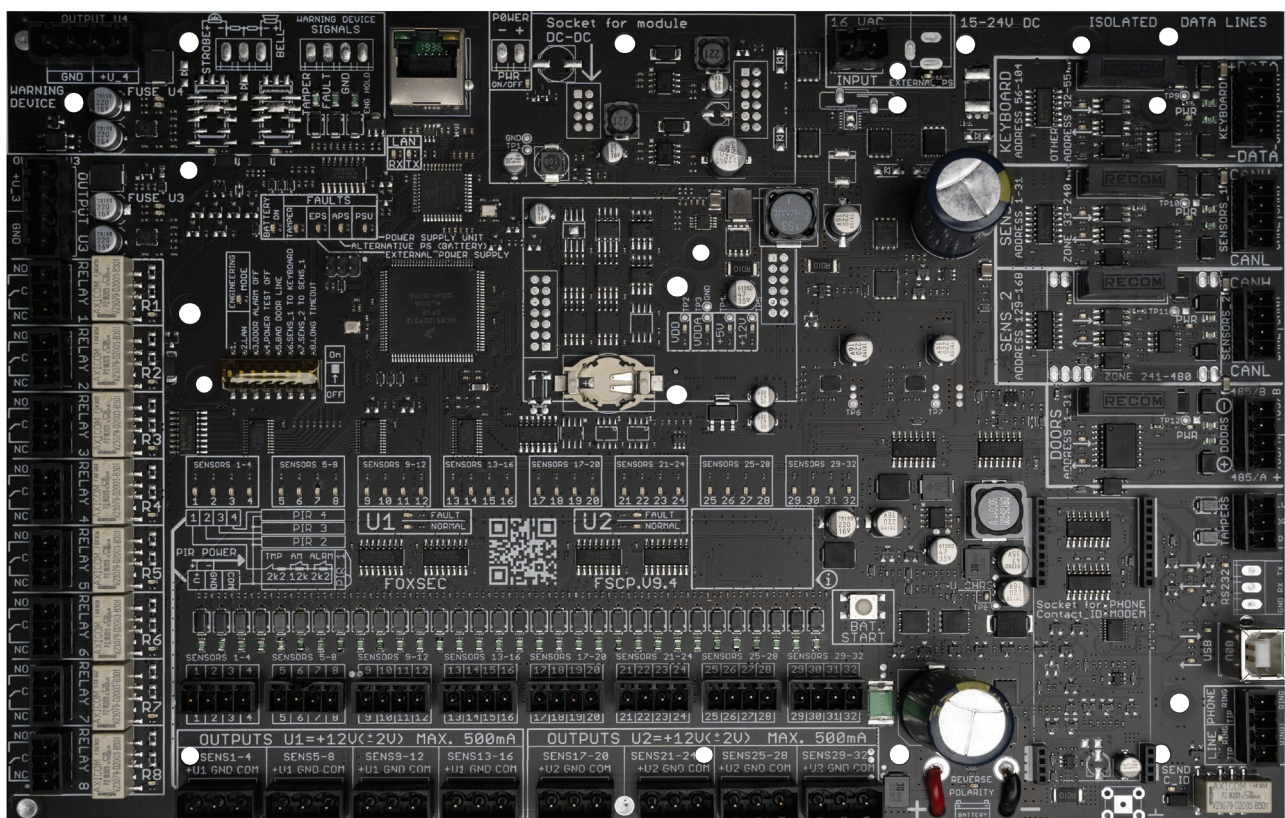
The FoxSec FS9002G is designed for installations in commercial complexes and high-security installations. FoxSec FS9002G can communicate to building management systems via BACnet (optional) and can send events via IP Contact ID via Ethernet or Contact ID via telephone line.

All programming of FoxSec FS9002G is done through FoxSecConf configuration software.

FoxSec Conf is designed for use by installer (system programming).

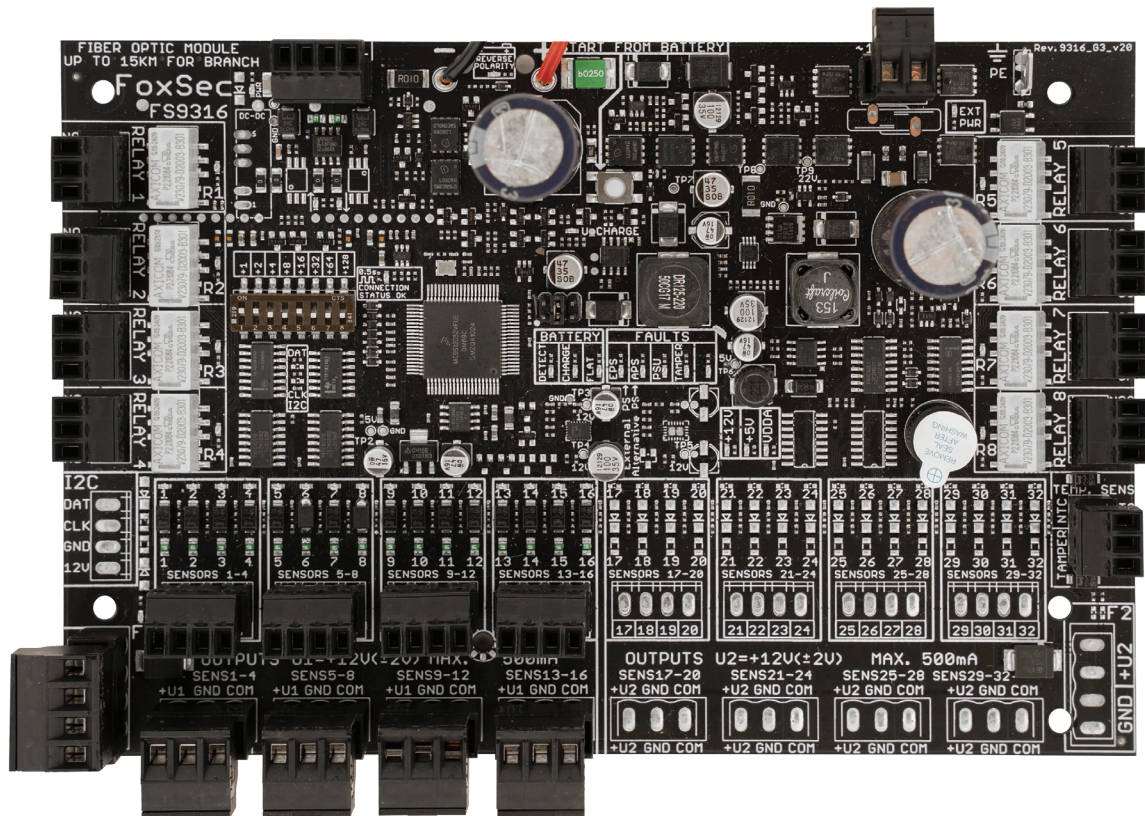
FEATURES

- 32 alarm zone inputs, expandable up to 480 zones via expansion modules + up to 62 access door sensors, expandable up to 310 door sensors
- up to 240 security areas
- 8 programmable relay outputs, expandable up to 1,000 relay outputs with expansion modules
- Up to 4 security main panels or door data-line modules can be linked over Ethernet adding up to 32 areas and 32 outputs from other panels or up to 310 doors
- 310 doors with over Ethernet linked FS9131 door data-line modules (up to 31-door controllers on data-line) with independent users database memory and events and hardware level integration
- EEPROM memory up to 5,760 security users
- Independent realtime 100 alarm and 100 door events buffer
- 48 keypads (built-in reader optional)
- 4 or 6 digit PIN or card+PIN authorisation
- 5,760 arming users with up to 38 personal areas and 60 arming time zones
- 24 000 security events
- Preprogram 48 holidays (areas will stay armed and doors locked)
- 80 schedules for different programs (arming, disarming, set relay, etc.)
- 480 zones have anti-masking
- 480 zones have adjustable EOL values
- Warning device output and inputs
- Zone status LED indication
- BACnet protocol (optional)
- Real-time clock
- 3 enclosure tamper inputs
- 10/100 ethernet port
- USB port for configuration
- 1 optically isolated keyboard and output expansion modules data line (length up to 1.5 km)
- 2 optically isolated zone input expansion modules data lines (length up to 2km each)
- 1 optically isolated access door controllers data line
- Special hardware level IP UDP protocol for sending commands to expansion modules and door controllers
- All data lines have ESD protection circuits
- Battery reverse polarity protection
- Battery capacity measurement
- Battery series resistance
- Battery reverse polarity protection
- Lead-Acid battery charger with absorb and equalizer
- Configuration with FoxSec conf software (for installers)
- 3A power supply with battery charger
- Contact ID phone line modem (optional)
- IP Contact ID alarm signalling over Ethernet
- 4 controlled power outputs 12V
- Extra power output 12V 24W for web server (optional)
- Configuration with FoxSec conf software (for installers)
- Grade 3 certified enclosure



FS9316G EXPANSION MODULE

FoxSec products provide a complete and fully featured hardware/firmware infrastructure for access control and intruder alarm systems.



FS9316G is EN-50131 Grade 3 certified Intruder Alarm System.

The FS9316G zone expansion module has up to 16 supervised inputs and 2 or 8 output relays. Each input monitors and reports normal, off-normal and alarm states.

The FS9316G connects to FS9002G/FS9002 and FS9020 main panels via CANbus.

FS9316G features backup battery capacity test, battery reverse polarity protection, LED indicators for various statuses of onboard systems, separate input for temperature sensor and easy to use pluggable terminals for all PCB connections.

Optionally the FS9316G zone expansion can be ordered with 2 fiber optics ports for extending zone inputs over existing fiber optics channels allowing more flexible expansion of zone expander network. Also FS9316G can be ordered with I2C expansion port for connecting additional relay modules to expand onboard output relays (optional).

FS9316G/2 AND FS9316G/8 EXPANSION MODUL

- 16 zone inputs
- 2 or 8 relay outputs
- Optional Fiber optic data-line up to 20 km
- 12V sensor power output with short circuit protection
- Temperature sensor input up to 10 m cable length
- Beeper for easy module identification
- Battery status and fault indicators
- Battery backup capacity test and reverse polarity protection with indication
- Power supply unit 12VDC, 0,5A
- Grade 3 certified enclosure

PRO series

FS9002 MAIN UNIT

FoxSec PRO series hardware is integrated security and access control systems hardware designed for medium and large projects. Each FS9002 main unit is capable of securing up to 240 areas, up to 790 zones (32 on main board, expandable to 480 zone inputs and 62 door sensors on main board, expandable up to 310 door sensors) and controlling up to 310 doors.

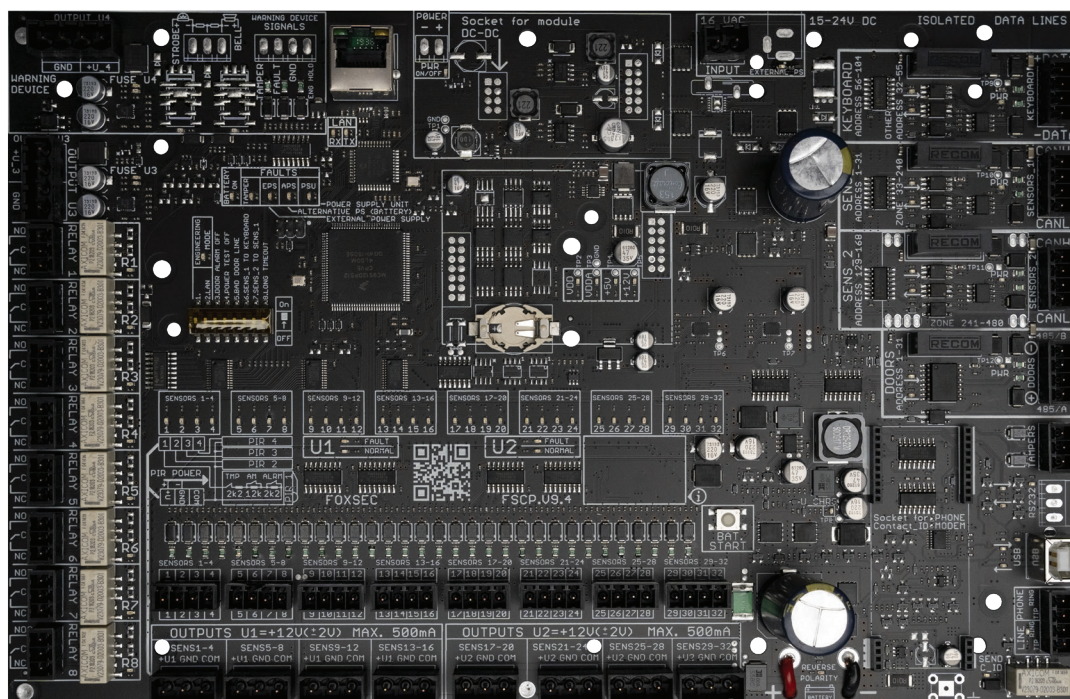
The FoxSec FS9002 is designed for installations in commercial complexes and high-security installations.

FoxSec FS9002 can communicate with building management systems via BACnet (optional) and can send events via IP Contact ID via Ethernet, or Contact ID via telephone line. All programming of FoxSec FS9002 is done through FoxSecConf configuration software. FoxSecConf is designed for use by the installer (system programming).

The FoxSec FS9002 is EN50131 Grade 3 compatible.

FEATURES

- 32 alarm zone inputs, expandable up to 480 zones via expansion modules + up to 62 access door sensors, expandable up to 310 door sensors
- up to 240 security areas
- 8 programmable relay outputs, expandable up to 1,000 relay outputs with expansion modules
- Up to 4 security main panels or door data-line modules can be linked over Ethernet adding up to 32 areas and 32 outputs from other panels or up to 310 doors
- 310 doors with over Ethernet linked FS9131 door data-line modules (up to 31 2-door controllers on data-line) with independent users database memory and events and hardware level integration
- EEPROM memory up to 5,760 security users
- Independent realtime 100 alarm and 100 door events buffer
- 48 keypads (built-in reader optional)
- 4 or 6 digit PIN or card+PIN authorisation
- 5,760 arming users with up to 38 personal areas and 60 arming time zones
- 24 000 security events
- Preprogram 48 holidays (areas will stay armed and doors locked)
- 80 schedules for different programs (arming, disarming, set relay, etc.)
- 480 zones have anti-masking
- 480 zones have adjustable EOL values
- Warning device output and inputs
- Zone status LED indication
- BACnet protocol (optional)
- Real-time clock
- 3 enclosure tamper inputs
- 10/100 ethernet port
- USB port for configuration
- 1 optically isolated keyboard and output expansion modules data line (length up to 1.5 km)
- 2 optically isolated zone input expansion modules data lines (length up to 2 km each)
- 1 optically isolated access door controllers data line (up to 31 2-door controllers and length up to 1,2 km)
- Special hardware level IP UDP protocol for sending commands to expansion modules and door controllers
- All data lines have ESD protection circuits
- Battery reverse polarity protection
- Battery capacity measurement
- Battery series resistance
- Battery reverse polarity protection
- Lead-Acid battery charger with absorb and equalizer
- 3A power supply with battery charger
- Contact ID phone line modem (optional)
- IP Contact ID alarm signalling over Ethernet
- 4 controlled power outputs 12V
- Extra power output 12V 24W for web server (optional)
- Grade 3 compatible enclosure (optional)
- Configuration with FoxSec conf software (for installers)



ACCESS CONTROLLERS

FS7301/FS7302 AND FS8301/FS8302 DOOR CONTROLLER

- 1 door (2 readers) FS7301, FS8301
- 2 doors (4 readers) FS7302, FS8302
- Up to 1,850 card users (FS7301, FS7302)
2,000 recent events in the controller memory
- Up to 7,600 card users (FS8301, FS8302)
2,000 recent events in the controller memory
- 1 programmable relay output / FS7301, FS8301
- 2 programmable relay outputs / FS7302, FS8302
- 2 Wiegand inputs (FS7301, FS8301)
- 4 Wiegand inputs (FS7302, FS8302)
- RS485 input (optional)
- Anti-passback and more than 50 other special functions
- 10 schedules per door
- Optical isolation for data line
- Metal case 290 x 280 x 80 mm
- Power supply unit 12VDC, 2A/3A
- Lock 12VDC (24VDC optional)
- Battery control

FS7302/FS8302 ECO DOOR CONTROLLER

- 2 doors, up to 4 readers
- FS7302 ECO up to 1,850 card users
- FS8302 ECO up to 7,600 card users
- 2,000 events in the controller memory
- 4 Wiegand input (26-bit Wiegand)
- 2 programmable additional relay outputs
- Power voltage 12VDC
- Real time clock
- 10 schedules per door
- Card mode, card + PIN mode, locked mode, open mode, only PIN mode

FS7311/FS8311 TURNSTILE CONTROLLER

- ENTRY / EXIT direction
- Up to 1,850 or 7600 card users and 2,000 recent events in the controller memory
- 2 programmable relay outputs
- 2 Wiegand inputs
- Anti-passback
- Optical isolation for data line
- Metal case 290 x 280 x 80 mm
- Power supply unit 12VDC, 2A
- Battery control

FS6300IO/8 AND FS6300IO/16 ELEVATOR CONTROLLER

- 8 floors / 16 floors
- Up to 1,850, 7,600 card users and 2,000 recent events in the controller memory
- 1 Wiegand input
- Optical isolation for data line
- RS485 input (optional)
- Metal case 290 x 280 x 80 mm
- Power supply unit 12VDC, 2A
- Battery control

EXTENSION MODULES

FS9108/2 AND FS9108/8 EXTENSION MODULE

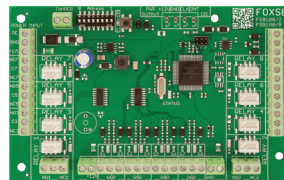
- 8 zone inputs
- 2 or 8 programmable relay outputs (12V/0,5A / NO/NC)
- Power voltage 12VDC
- Adjustable EOL (end of line resistance)
- ABS plastic case 155 x 230 x 55 mm

FS9216/2 AND FS9216/8 EXTENSION MODULE

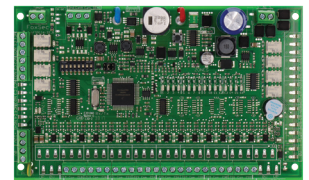
- 16 zone inputs
- 2 / 8 programmable relay outputs (12V / 0,5A / NO/NC)
- Adjustable EOL (end of line resistance)
- Metal case 290 x 280 x 80 mm
- Power supply unit 12VDC, 0,5A
- Battery control

FS9316/2 AND FS9316/8 EXPANSION MODULE

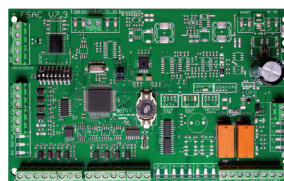
- 16 zone inputs
- 2 or 8 relay outputs
- Optional Fiber optic data-line up to 20 km
- 12V sensor power output with short circuit protection
- Temperature sensor input up to 10 m cable length
- Beeper for easy module identification
- Metal case 290 x 280 x 80 mm
- Battery status and fault indicators
- Battery backup capacity test and reverse polarity protection with indication
- Power supply unit 12VDC, 0,5A



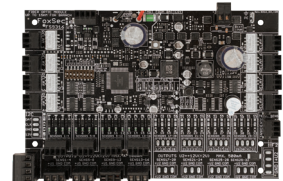
FS9108/2 AND FS9108/8 EXTENSION MODULE



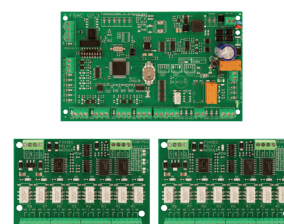
FS9216/2 AND FS9216/8 EXTENSION MODULE



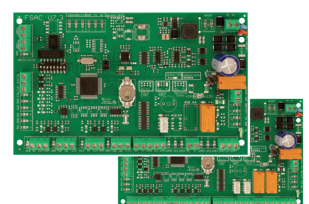
FS7302/FS8302 ECO DOOR CONTROLLER



FS9316/2 AND FS9316/8 EXPANSION MODULE



FS6300IO/8 AND FS6300IO/16 ELEVATOR CONTROLLER



FS7301/FS7302 AND FS8301/FS8302 DOOR CONTROLLER

KEYPADS AND REGISTRATORS

FS9501BL/FS9501WH/FS9501CUST OLED KEYPADS

- 2 x 20 character OLED keyboard with back lighting
- Activating and deactivating security in specific areas, changing the PIN number, displaying and accepting alarms, temporary restraining of users, sensors or expansion modules, a 100-keypad event memory
- Fast and friendly interface
- Built-in proximity reader (optional)
- Silicone buttons with back lighting
- Power voltage 12VDC
- Operating temperature between 0 → 40°C (without evaporation), IP55, 170 x 125 x 25mm
- Front panel custom design printing (FS9501CUST optional, black casing- FS9501BL, white casing- FS9501WH)



R5601BL/R5601WH OLED REGISTRATORS

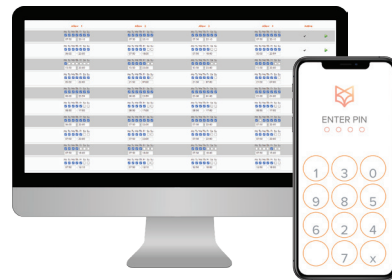
- 2 x 20 character OLED keyboard with back lighting
- AtWork, Leaving, Lunch
- Fast and friendly interface
- Built-in proximity reader (optional)
- Power voltage 12VDC
- Operating temperature between 0 → 40°C (without evaporation), IP55, 170 x 125 x 25mm
- Front panel custom design printing (FS9501CUST optional, black casing- FS9501BL, white casing- FS9501WH)

FOXSEC WEB APP

FoxSec App is alarm system management software designed for users comfort and mobility.

It operates on a smart device, and replaces the need for the stationary alarm keypad. Now you can arm or disarm your facility right from your pocket and do much more.

At the same time FoxSec APP can operate as a wall mounted keypad. Read more under the „Softwares“ section...



ACCESSORIES

FS9131/FS9131POE COMMUNICATION MODULE

- Up to 31 door controllers (compatible with FoxSec Monitoring and FoxSec Web software)
- Over-voltage protection
- PoE (FS9131PoE)



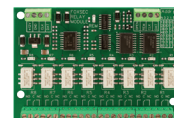
FS9100/8 OUTPUT MODULE

- 8 programmable relay outputs (12V/5A / NO/NC)
- Metal case 295 x 285 x 80 mm
- Power supply unit 12VDC, 2.5A
- Battery recharging
- Expandable up to 40 outputs using FS9100/8.8



FS9100/8.8 OUTPUT EXPANDER MODULE

- Eight programmable relay outputs (12V/0.5A / NO/NC)
- Power Voltage 12VDC
- PCB 90 x 65 x 10 mm



FS9135 ISOLATOR/BUS REPEATER

- Makes the data line twice as long
- Power voltage 12V



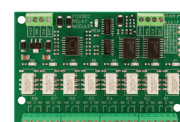
FS9140 CONTACT ID COMMUNICATOR (PHONE LINE)

- Up to 240 Contact ID accounts
- Up to 98 areas
- Up to 999 users



FS6100IO/8 LIFT MODULE

- 8 floors / 16 floors
- PCB 90 x 65 x 10 mm



LITE series

FS9020 MAIN UNIT

FoxSec LITE series hardware is for smaller integrated security and access control systems. The FS9020 central control panel features sixteen onboard zones, nine PGMs, ETHERNET communication, and two Wiegand inputs (two doors). Each FS9020 control panel can be extended to control up to 240 security zones using extension modules.

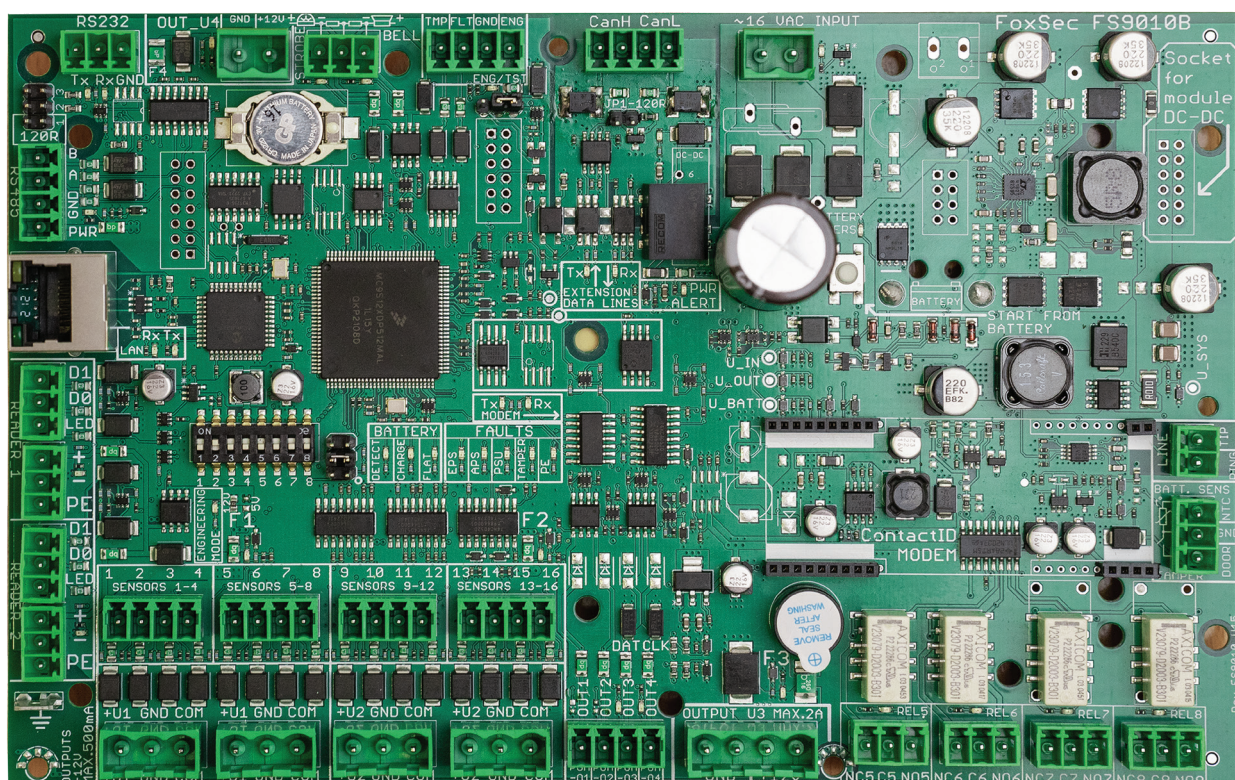
FoxSec LITE series is compatible with FoxSec WEB management software.

FS9020 is designed for installations in commercial complexes and high-security installations. It can control up to 31 access points including those with Assa Aperio wireless locks. Up to 48 LCD keypads can be connected to a control panel. All communication with the system software is encrypted.

The FoxSec® FS9020 is EN50131 Grade 3 compatible.

FEATURES

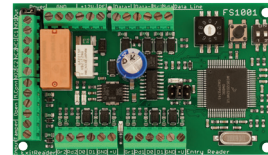
- 16 alarm zone inputs, expandable up to 240 zones via expansion modules
- up to 240 security areas
- 2 doors (expandable up to 31 doors)
- 4 relays + 4 transistor relays (expandable up to 240) + 1 bell output (Grade 3)
- Up to 4 security main panels or door data-line modules can be linked over Ethernet adding up to 32 areas and 32 outputs from other panels
- EEPROM memory up to 2,800 security users
- Independent realtime 100 alarm and 100 door events buffer
- 48 keypads (built-in reader optional)
- 4 or 6 digit PIN or card+PIN authorisation
- 2,800 arming users with up to 19 personal areas and 60 arming time zones
- 2500 security events
- Preprogram 48 holidays (areas will stay armed and doors locked)
- 80 schedules for different programs (arming, disarming, set relay, etc.)
- 240 zones have anti-masking
- Configuration with FoxSec conf software (for installers)
- 248 zones have adjustable EOL values
- Warning device output and inputs
- BACnet protocol (optional)
- Real-time clock
- 3 enclosure tamper inputs
- 10/100 ethernet port
- 1 optically isolated data line (length up to 1.5 km) (optional)
- Special hardware level IP UDP protocol for sending commands to expansion modules and door controllers
- All data lines have ESD protection circuits
- Contact ID phone line modem (optional)
- IP Contact ID alarm signalling over Ethernet
- Extra power output 12V 24W for web server (optional)
- 2x Wiegand input
- Grade 3 compatible enclosure (optional)
- Battery series resistance
- Battery reverse polarity protection
- Lead-Acid battery charger with absorb and equalizer



DOOR MODULES

FS1001 DOOR MODULE

- 2 x 26 bit Wiegand inputs
- 2 relay outputs
- 1 door sensor input
- 1 door button input
- Memory of 4 SOS cards
- Power voltage 12VDC
- ABS plastic case 155 x 230 x 55 mm

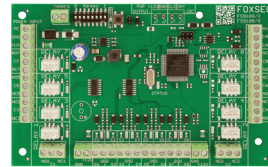


FS1001 DOOR MODULE

EXTENSION MODULES

FS9108/2 AND FS9108/8 EXTENSION MODULE

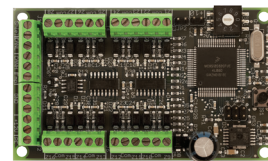
- 8 zone inputs
- 2 or 8 programmable relay outputs (12V/0,5A / NO/NC)
- Power voltage 12VDC
- Adjustable EOL (end of line resistance)
- ABS plastic case 155 x 230 x 55 mm



FS9108/2 AND FS9108/8 EXTENSION MODULE

FS9116/0 EXTENSION MODULE

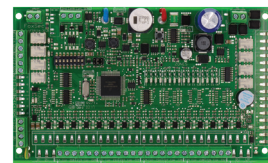
- 16 zone inputs
- Power voltage 12VDC
- PCB 90 x 55 x 10 mm



FS9116/0 EXTENSION MODULE

FS9216/2 AND FS9216/8 EXTENSION MODULE

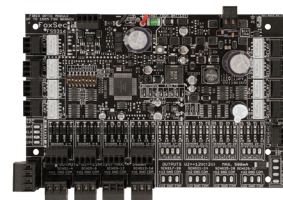
- 16 zone inputs
- 2 / 8 programmable relay outputs (12V/0,5A / NO/NC)
- Adjustable EOL (end of line resistance)
- Metal case 295 x 285 x 80 mm
- Power supply unit 12VDC, 0,5A
- Battery control and recharging



FS9216/2 AND FS9216/8 EXTENSION MODULE

FS9316/2 AND FS9316/8 EXPANSION MODULE

- 16 zone inputs
- 2 or 8 relay outputs
- Fiber optic data-line up to 20 km (optional)
- 12V sensor power output with short circuit protection
- Temperature sensor input up to 10 m cable length
- Beeper for easy module identification
- Metal case 295 x 285 x 80 mm
- Battery status and fault indicators
- Battery backup capacity test and reverse polarity protection with indication
- Power supply unit 12VDC, 0,5A
- Grade 3 certified

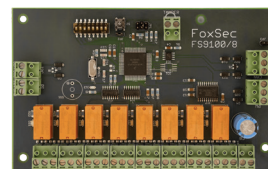


FS9316/2 AND FS9316/8 EXPANSION MODULE
FIBER OPTIC DATA-LINE (OPTIONAL)

ACCESSORIES

FS9100/8 OUTPUT MODULE

- 8 programmable relay outputs (24V/5A / NO/NC)
- Metal case 290 x 280 x 80 mm
- Power voltage 12VDC, 2,5A
- Battery recharging



FS9100/8 OUTPUT MODULE

FS9135 ISOLATOR/BUS REPEATER

- Makes the data line twice as long
- Power voltage 12V



FS9135 ISOLATOR/BUS REPEATER

FS9140 CONTACT ID COMMUNICATOR (PHONE LINE)

- Up to 240 Contact ID accounts
- Up to 98 areas
- Up to 999 users



FS9140 CONTACT ID COMMUNICATOR

SMART PASS

FoxSec Smart Pass access control system was developed to meet the needs of small and medium-sized businesses in order to monitor the movement of people within the operating company's grounds.

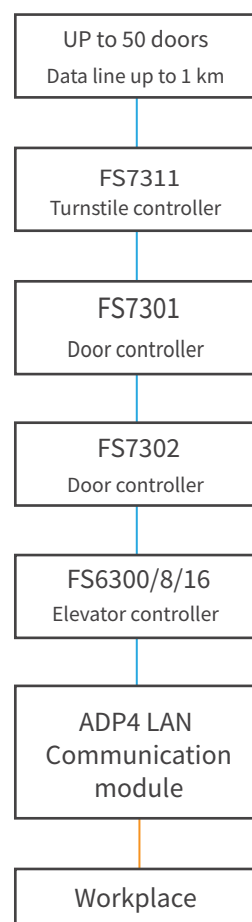
FoxSec Smart Pass access control system enables a client to gain an overview of who, where, and when in terms of people movements.

With the help of the FoxSec Smart Pass access control system it is also possible to manage the movements of employees on business premises and on the general grounds, register arrivals to and departures from work, and more. The system creates its own database on all movements. It allows users to create detailed statistics about the card users and generate various reports which are based on received data.

Considering its target group, the FoxSec Smart Pass access control system allows up to 1,850 users and 50 different access points and/or lifts. The system's flexible structure allows users to connect into the system itself and also up to four access points in different geographical locations.

In accordance with the client's requirements, it is possible to set up all access points so that they are controllable by the card readers on one side alone as well as on both sides. It is also possible to add new access points to the system during operation, which assures the constantly growing levels of access control that are needed by developing companies.

The FoxSec Smart Pass access control system can easily be integrated into door phono and surveillance systems, lift and gate automation, and other similar systems.



ADP4 LAN COMMUNICATION MODULE

- Up to 31 door controllers
- Over-voltage protection

FS7302/FS8302 ECO DOOR CONTROLLER

- 2 doors, up to 4 readers
- FS7302 ECO up to 1,850 card users
- FS8302 ECO up to 7,600 card users
- 2,000 events in the controller memory
- 4 Wiegand input (26-bit Wiegand)
- 2 programmable additional relay outputs
- Power voltage 12VDC
- Real time clock
- 10 schedules per door
- Card mode, card + PIN mode, locked mode, open mode, only PIN mode

FS7301/FS8301 DOOR CONTROLLER

- 1 door (2 readers) / 2 doors (4 readers)
- Up to 1,850 card users and 2,000 recent events in the controller memory
- 1 programmable relay output
- 2 Wiegand
- RS485 input (optional)
- Anti-passback and more than 50 other special functions
- 10 schedules per door
- Optical isolation for data line
- Metal case 290 x 280 x 80 mm
- Power supply unit 12VDC, 2A/3A
- Lock 12VDC (24VDC optional)
- Battery control

FS7311/FS8311 TURNSTILE CONTROLLER

- ENTRY / EXIT direction
- Up to 1,850 or 7600 card users and 2,000 recent events in the controller memory
- 2 programmable relay outputs
- 2 Wiegand inputs
- Anti-passback
- Optical isolation for data line
- Metal case 290 x 280 x 80 mm
- Power supply unit 12VDC, 2A
- Battery control

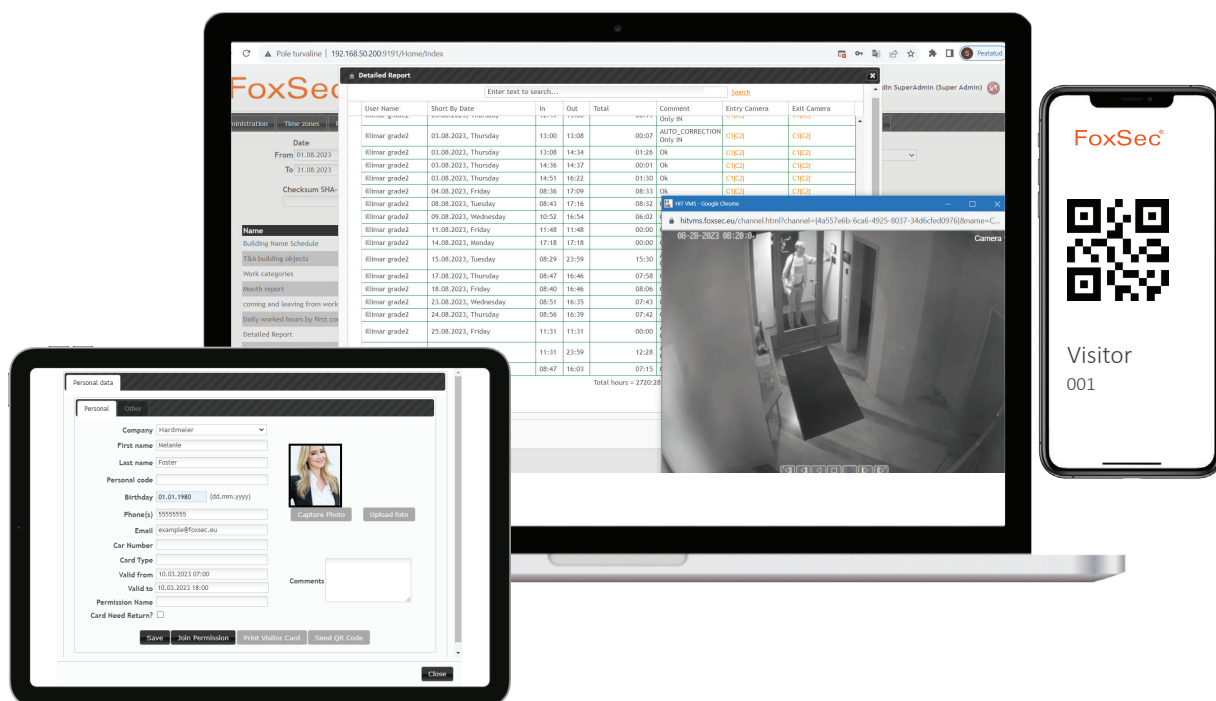
FS6300IO/8 AND FS6300IO/16 ELEVATOR CONTROLLER

- 8 floors / 16 floors
- Up to 1,850 or 7,600 card users and 2,000 recent events in the controller memory
- 1 Wiegand input
- Optical isolation for data line
- Metal case 290 x 280 x 80 mm
- Power supply unit 12VDC, 2A
- Battery control

SOFTWARE

FoxSec WEB Software

- Compatible with all FoxSec systems hardware (FoxSec PRO, FoxSec LITE and FoxSec Lockers hardware).
- FoxSec Cloud option. No need to install the software onto the client's server anymore. Now one can use FoxSec cloud to keep the facilities system data.
- FoxSec web allows different systems to be pulled together into a single piece of software which the facility manager can access from any PC connected to the internet.
- FoxSec Web allows different rights to be granted to the administrators. The administrator's hierarchy is set by the Master admin. For example, a company manager can monitor and change rights only for their company and within the limits of their authority, as granted by the Master administrator.
- Multiple permission groups can be assigned to one user.
- Up to ten access cards or other ID per user.
- FoxSec Web allows user locations to be requested within a company or a building.
- Time & Attendance- working time accounting module.
- Visitor module.
- WEB App for smartphones and smartpads. Manage the alarm system, open-close doors etc.
- Smart Cabinet module
- Parking control module
- Locker management module



FoxSec WEB Visitor Module

FoxSec Visitor Module is designed to allow visitors to enter the building or territory. It is determined to which doors he has the right to enter.

Visitor's data is entered into the system. Date, validation time and duration of given premissions are previously set.

There are several options for using the Visitor Module – with pin code reader, qr code reader, or RFID card reader:

- QR-code – a QR-code reader is installed at the entrance. The administrator fills in the visitor's and the permissions (visiting time and allowed doors). The QR code is sent to the visitors email. The QR-code is convenient to use, as shared rights are short-term, and to ensure security, the rights of passable doors are limited. For example, the visitor has rights to enter through the main door and move on to the meeting room. The Visitor Module also allows the guest to enter the company's parking lot by using the registration number recognition system or QR-code
- Access card – possibility to use access cards as guest cards to move around the building. Similar to QR and PIN codes, rights are determined in advance in the system, which doors the visitor is allowed to move through and whether accompanied or without. In this case, rights must be assigned and the card issued on arrival. For quick and more convenient registration of the guest card in the system, it is possible to authorize the card with a table reader

FoxSec WEB Time & Attendance

Shows employee's work time (as well as worked hours and the time of arriving/leaving from work). Create time attendance accounting reports separately of each employee or to the whole personnel.

- Report can be selected as follows:
 - by a building
 - by a company
 - by a department
 - by an employee
- Report types:
 - detailed report - every move through worktime door is listed
 - daily worked hours- only the time spent at work area is calculated
 - coming and leaving from work- first entry and last exit time of employee
 - daily worked hours by first coming last leaving- shows the worked hours by first entry and last exit
 - by month or freely selectable period
- Integration with CCTV:
 - links the registration event to CCTV recording
 - CCTV event archive

FoxSec WEB APP

FoxSec App is software designed for managing the alarm system. It helps to increase users comfort and mobility. The App operates on a smart device and replaces the need for the stationary alarm keypad fixed on a wall. Now users can arm or disarm their facility right from their pocket and do much more. At the same time FoxSec APP can operate as a stationary keypad inside the smart tab mounted on a wall.

- Fits for individual or general use
- View doors and alarm status
- Change access control modes:
 - Open Door for (4 seconds)
 - Access granted/denied for everyone
 - Card mode
 - Card + PIN mode
- Arm/disarm areas/zones
- Arm/disarm zones
- Change own PIN
- Login by NFC card
 - Log in to the app using Mifare access card (optional. Android only)
 - Site managers app can be used as a log in terminal for employees. Every employee shows card to managers WEB App to start or stop the work time accounting.
- Location positioning when logging in or logging out Time & Attendance module.
- Configure the app individually for every device and user.



FoxSec InPlace App

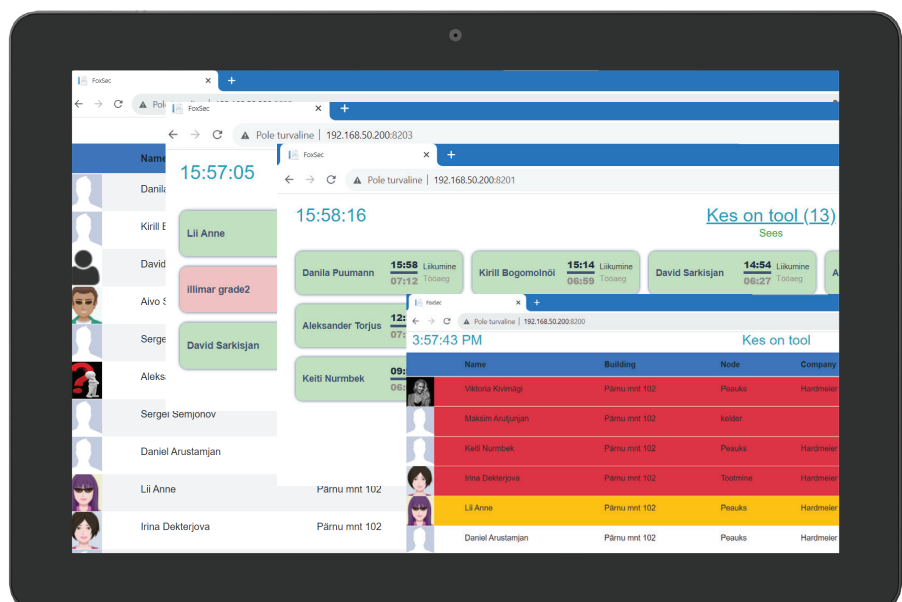
This solution is designed to provide a convenient visual overview of the presence of employees registered in your department, office, building, territory, etc.

The InPlace presence software is compatible and based on the FoxSec Web solution.

The InPlace presence of people is displayed on the screen from the point of entry and exit specified by you (door, turnstile, gate, etc.).

The solution is easy to install and commissioning is quick and easy.

- Box and list view of all companies every box or list shows how many cards are assigned to company and how many of them are on work site
- Gives a visual and audible signal when the employee's permitted presence time is about to expire or if an employer has not checked out the room/area within the prescribed time (underground mines).



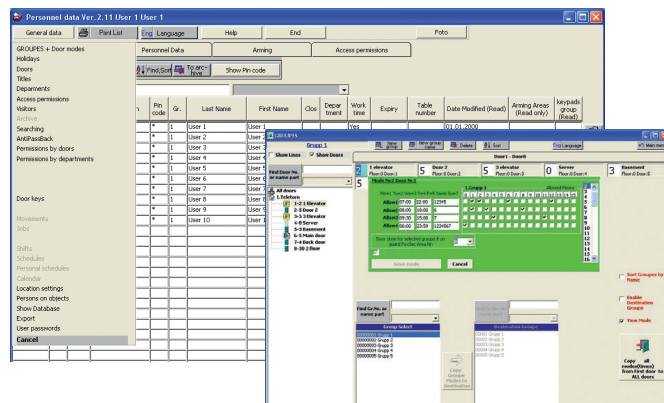
FoxSec Net Access / Time & Attendance

Net Access is software that manages access control systems. It allows users to quickly obtain a general overview of who, where, and when in terms of movement within the site being monitored.

All standard access control functions are available (anti-passback, sluice, etc).

For the FoxSec Net Access whole system configuration and management, FoxSec Cards and FoxSec Events is part of the Net Access.

Time and Attendance is a time attendance software module. Time attendance is either calculated on the basis of the door passage data or from entries in the time attendance registrar.

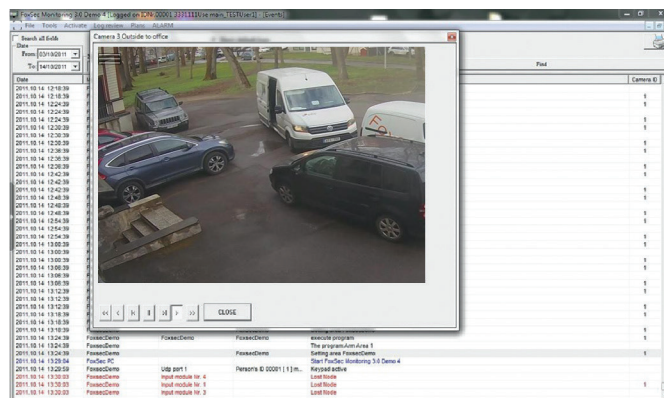


FoxSec Monitoring

is software which allows users to obtain an overview of the site being monitored.

The software user can:

- view graphical floor plans
- manage access doors
- can activate the security mode in zones and areas
- can review events and the associated video records
- can manage outputs from the relay modules



Smart Pass

The software can be installed into existing computer, which gives client a chance to handle simultaneously everyday activities.

The software enables to control simultaneously 4 different data lines (connected directly to a computer or computer network). Card readers can be lower or higher type of encryption (EM, Mifare, I-class etc.)

The software enables the user to choose between three different languages: English, Russian and one of the languages selected during installation (Estonian, Latvian, Lithuanian, Polish).

The system software is userfriendly and has a simple structure that guarantees fast learning and easy applicability. The system includes the HELP file.

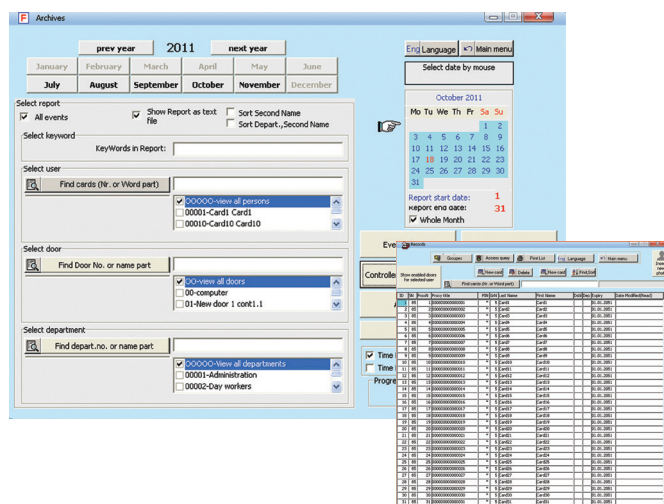
- Shows employee's work time (hours worked as well as the time of arriving to and leaving from work). Create time attendance accounting reports separately on each employee or on the whole personnel.

Report can be selected as follows:

- on a department
- on an employee
- on a door

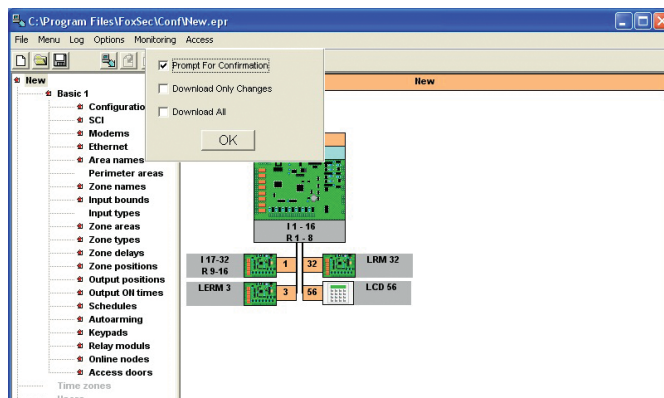
Report can be sorted in 2 ways:

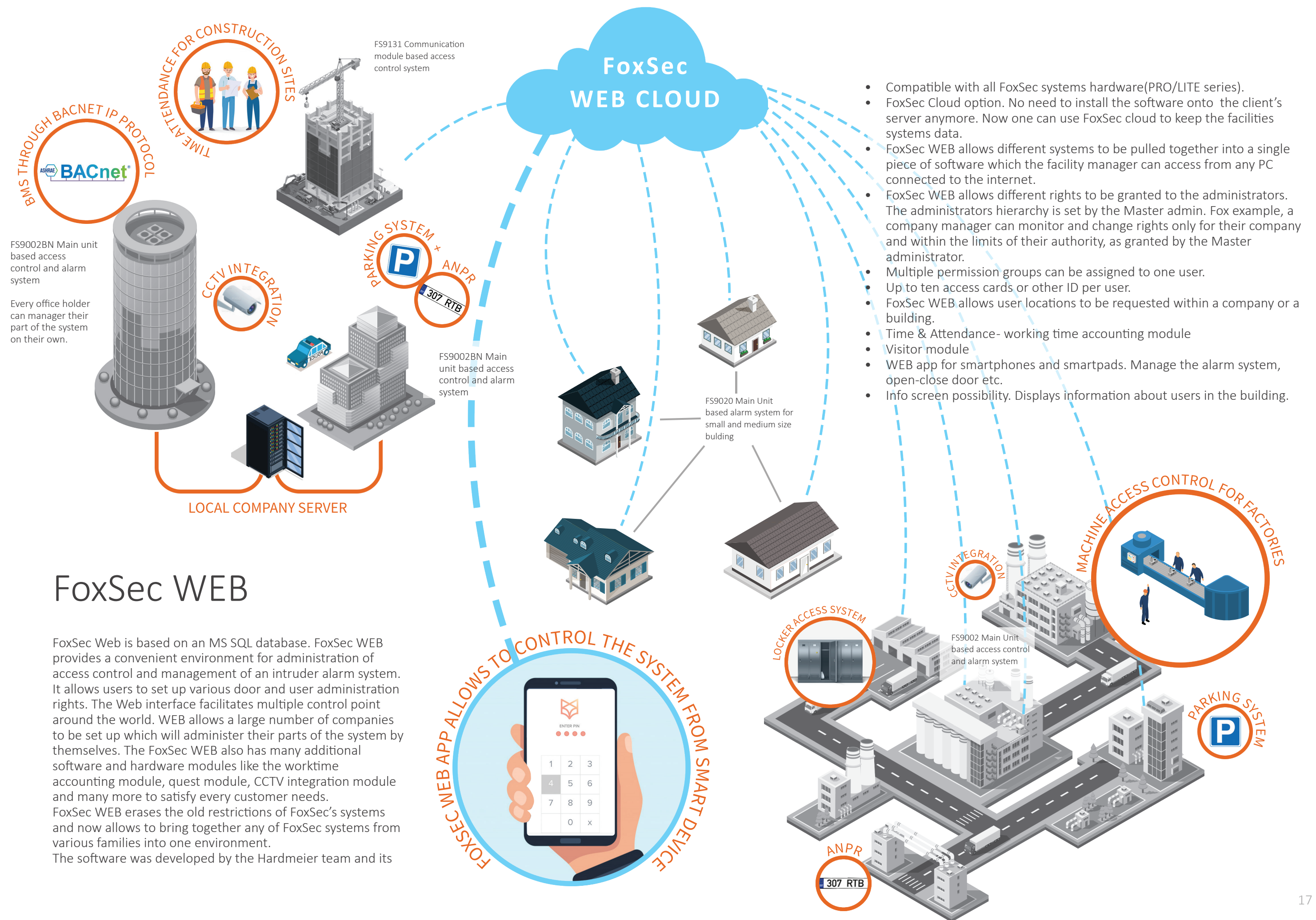
- by the name of the department
- by the name of the employee



FoxSec CONF

is system configuration software. The setup process for hardware, software, and integration configuration settings such as FoxSec Monitoring graphical floor plans, CCTV integration, etc, is created using FoxSec Conf software.

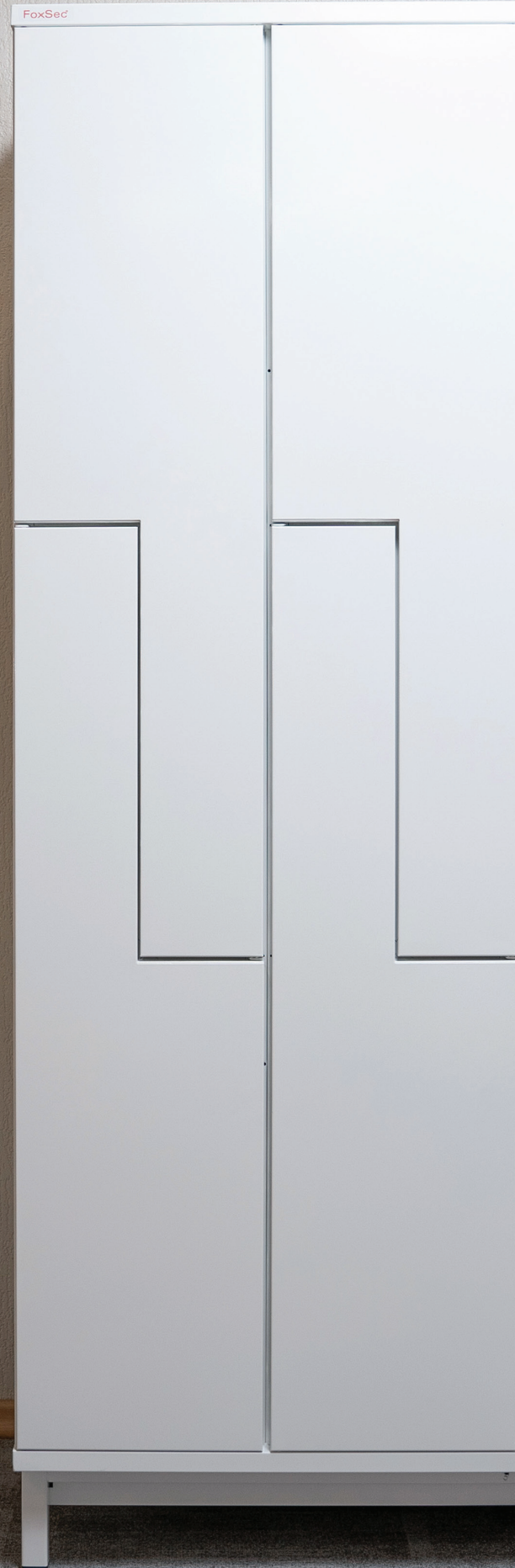




FoxSec WEB

FoxSec Web is based on an MS SQL database. FoxSec WEB provides a convenient environment for administration of access control and management of an intruder alarm system. It allows users to set up various door and user administration rights. The Web interface facilitates multiple control point around the world. WEB allows a large number of companies to be set up which will administer their parts of the system by themselves. The FoxSec WEB also has many additional software and hardware modules like the worktime accounting module, quest module, CCTV integration module and many more to satisfy every customer needs. FoxSec WEB erases the old restrictions of FoxSec's systems and now allows to bring together any of FoxSec systems from various families into one environment. The software was developed by the Hardmeier team and its

SMART CABINETS & LOCKERS



SMART CABINETS & LOCKERS

A smart locking system that offers a secure place for employees to store personal belongings. FoxSec intelligent lockers are integrated with touchscreen keypad and can be managed over a computer network with FoxSec WEB

POSSIBILITIES

Lockers don't have to be just white. Let Your imagination fly by adding a touch of desired color. Create a completely different look with custom locker graphics or by using alternative materials (metal, wood, MDF etc. It's up to Your taste. It is possible to choose either free-standing or integrated cabinets

FEATURES

- The whole system can be managed over a computer network with FoxSec WEB software
- Online system – statuses, events, logs are always available
- Hardware is capable of autonomous work even when connection to server is lost
- The system has low energy consumption when operates on constant power and equipped with backup batteries
- No fixed cost to replace the batteries
- Possibility to use access cards that are already in use on the site
- The locker access can be set according to permissions and time schedule profiles
- The locker system is suitable for many fields and can be used for various functions, such as small item storage rooms, staff and SPA wardrobes, etc



Graphic designs



Different materials



Range of colors



Integrated option



FoxSec workspace lockers can be made to order. Our custom lockers are the most common workspace selection for our customers as they often have their own individual or random locker.

The standard range are functional, resilient and adaptable, predominantly made from timber laminate and can be used across many workspace, business, office , education and other commercial environments.

All lockers can be designed to suit your needs, including the ability to offer a range of locking options and accessories to suit each user's individual requirements.



AS A HANDOVER STATION

The system is ideal for the contactless transfer of documents and objects. It is guaranteed that only authorised persons can open the respective locker using the QR code. FoxSec cabinets & Lockers is operational around the clock and thus offers a 24-hour service for:

- IT hardware (contactless handover and delivery of hardware, e.g. laptop, smartphone, beamer)
- Fleet management (provision of keys and vehicle documents)
- HR department (safe and compliant with data protection handover of documents)
- External services, such as couriers, laundry services,

AS A TEMPORARY STORAGE

The lockers are also ideal for temporary and protected storage of items in the following areas:

- Reception (storage of bags, suitcases)
- Meeting and seminar rooms (storage of documents and workshop tools for seminars)
- Open-plan offices (locking up valuables)
- Co-working areas (overnight storage of work materials)

HARDWARE FEATURES

FS9011 MAIN UNIT

- 2 Wiegand reader input
- Built-in Ethernet data communication
- Up to 2800 users in memory
- Up to 3500 access control logs
- Power supply unit 16VAC up to 3,2A
- Battery control and capacity test
- Display port
- Up to 240 outputs for locks and 240 inputs for status
- Built in power supply (24V 2,5A) for lock expander
- DIN casing ready

FS908L CONTROLLER MODULE

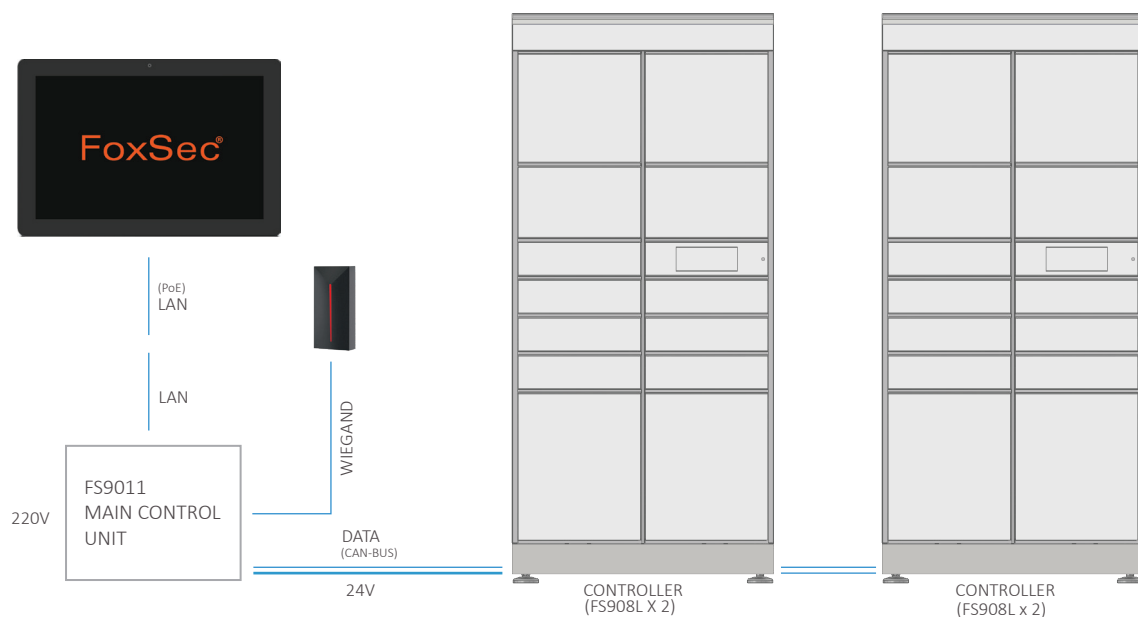
- 8 PGM outputs for lock
- Status LED's for easy visual diagnostics of troubles, status states etc.
- Can be used for lock status input
- Live monitoring over FSConf
- Connects directly to main panel CAN dataline
- DIN rail mountable

FOXSEC TOUCH 10"

- 10.1", 25.5cm diagonal
- IPS Panel Technology, LED
- 1280 x 800 (1 megapixel HD)
- Panel brightness 450 cd/m²
- 16.7mln 8bit Colour support
- black, matte colour and finish
- x2 (2.0, 1 x MICRO with OTG) USB ports
- x1 (PoE) RJ45(LAN)
- Android 11 or newer
- Power supply PoE

COMPATIBLE READERS

- EM
- Mifare / Deister
- Iclass / Iclass SE
- Hid Prox
- Legic
- ISO15693



19

Single controller (FS908L) for 8 lockers. You can put together as many as you need. For example if a single locker cabinet has 20 lockers you should use 3xFS908L controllers.

CABINET DATA CENTER ACCESS SYSTEM

The FoxSec Data Center Access System is designed to allow authorized persons to access devices in data center cabinets. The system is suitable for both large and small server rooms, as well as for individual cabinets. The FoxSec Data Center Access System is fully compatible with FoxSec Web security and access management software. The solution allows you to control the data center cabinet access system in many different geographic locations.

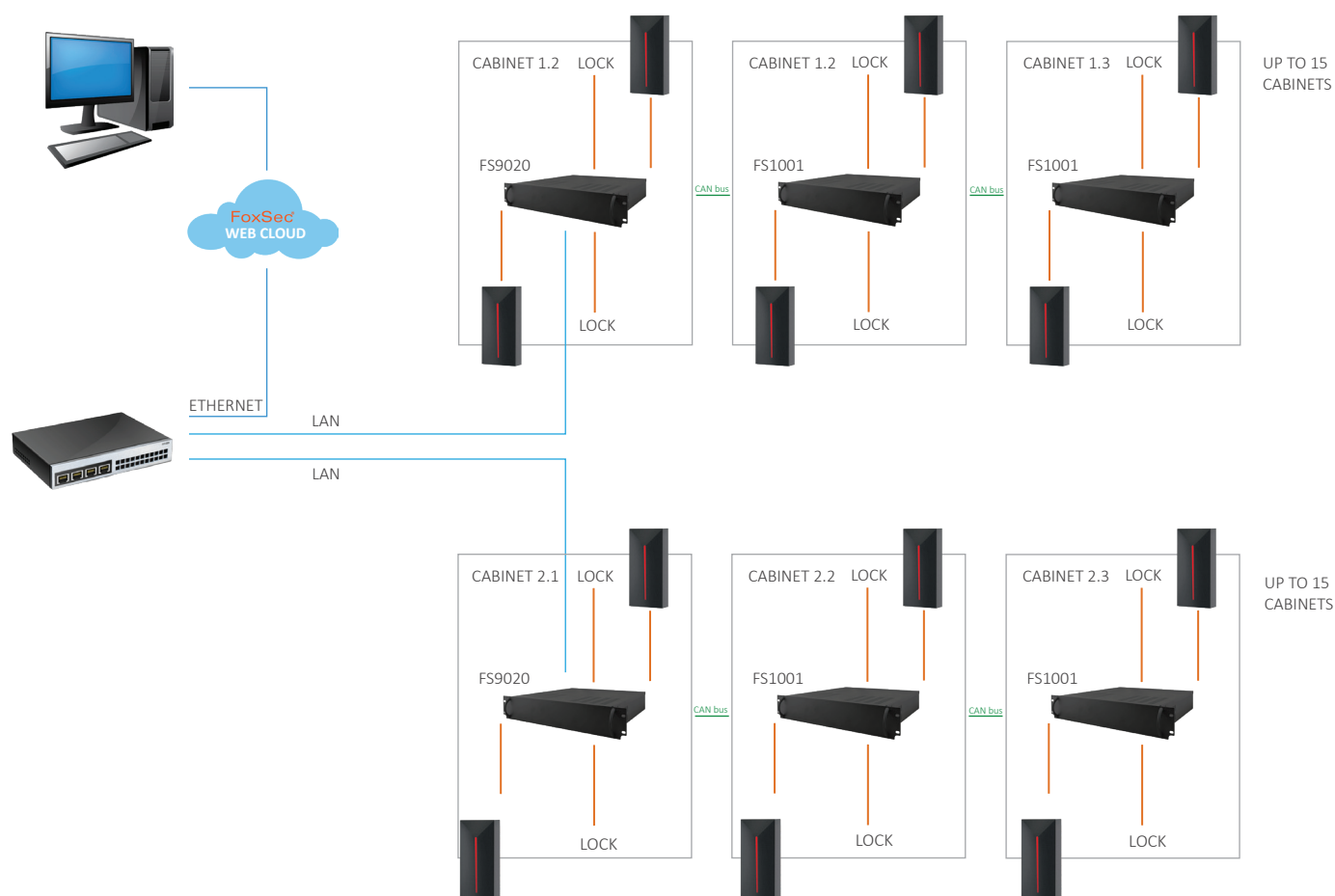
The described system can be used for 19" cabinets from different manufacturers.

The FoxSec data center access system consists of the FS9020 main unit and the door modules FS1001. Each unit is housed in a 19" to 2U enclosure, which is suitable for installation in a 19" cabinet. The single FS9020 main panel unit allows you to manage up to 15 double-door cabinets. The system is expandable by adding an additional FS9020 main panel unit.

The main unit is connected to the FoxSec Web management software via a computer network. The FoxSec Web management software can be managed by logging in from any computer with Internet access through the system's web browser.

The door modules are connected to the main unit with a reliable CAN bus data communication line, up to 1 km long. All devices with Wiegand output are suitable for card readers. It is possible to use a PIN + card, only the card and only PIN readers. There are no direct restrictions on the use of electric locks, it only depends on the specific configuration and capabilities of the cabinet. Optionally, the main unit and door modules have inputs for the status and unlock button.

The figure below shows an example of the connections between the system components, showing the basic structure of the system.



ACCESSORIES



FS MC4035W

IP class: IP20, EN60742
Metal, powder coated, white
Front door tamper
Mechanical lock (optional)
Measures: 400(K) x 350(L) x 180(S) mm



FS MC3932W

IP class: IP20, EN60742
Metal, powder coated, white
Front door tamper
Mechanical lock (optional)
Measures: 395(K) x 320(L) x 100(S) mm



FS MC2925W

IP class: IP20, EN60742
Metal, powder coated, white
Front door tamper
Mechanical lock (optional)
Measures: 295(K) x 285(L) x 80(S) mm

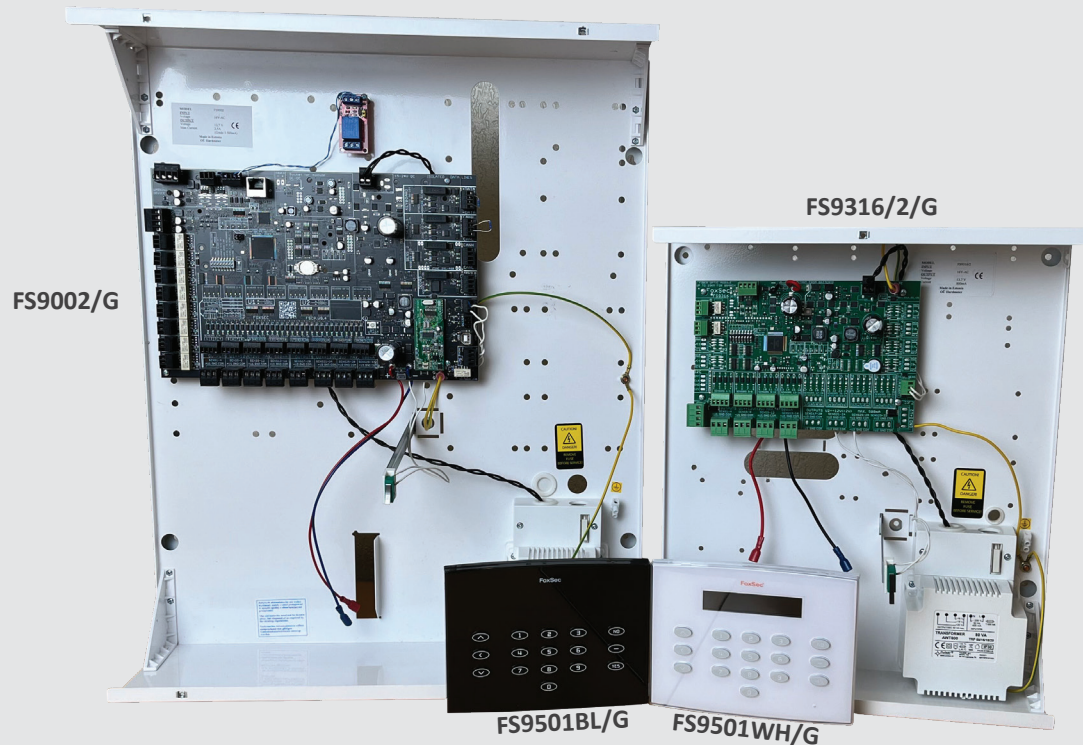


FS PC1523W

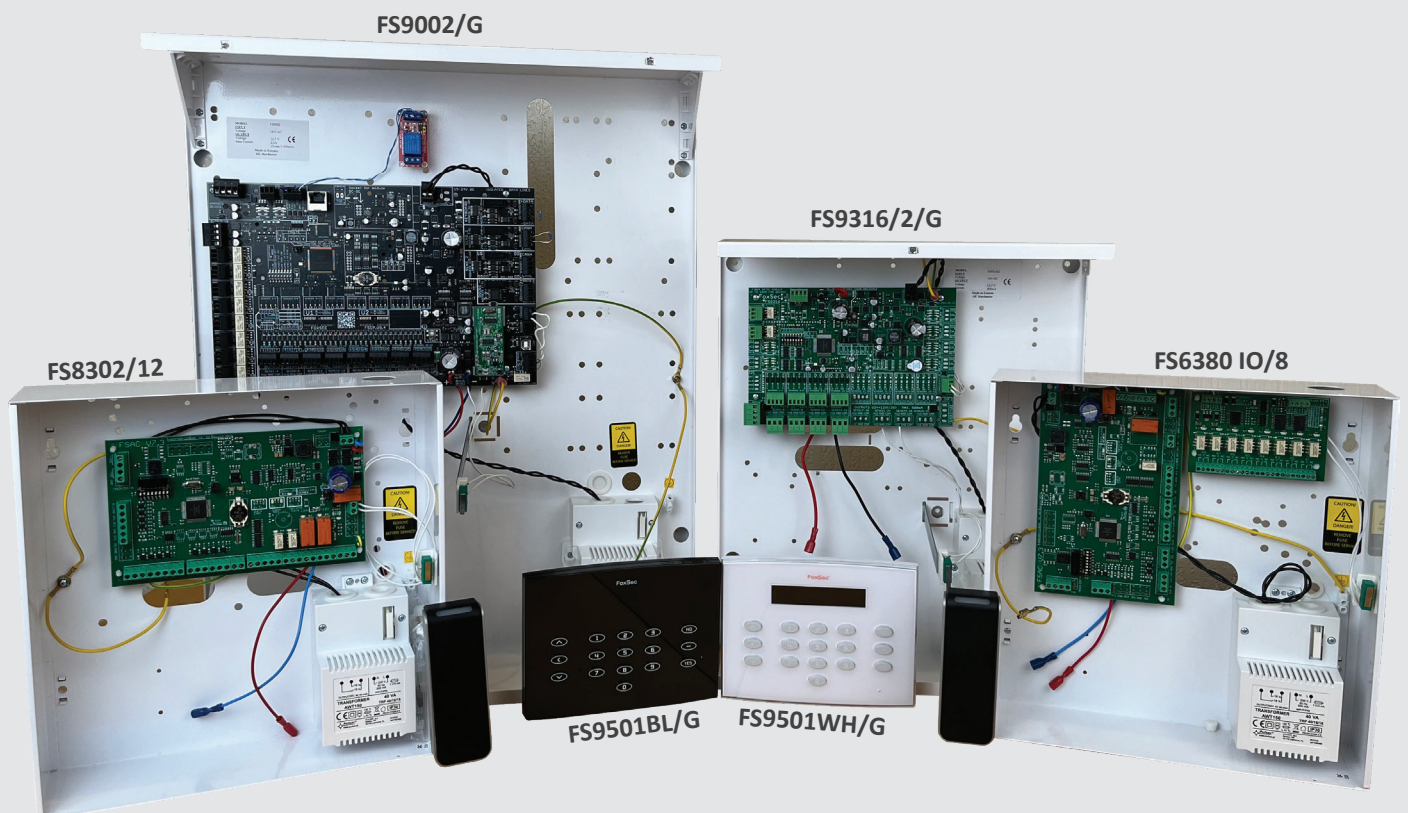
ABS plastic, grey
IP class: IP20, EN60742
Measures: 155(K) x 230(L) x 45(S) mm

EXAMPLES

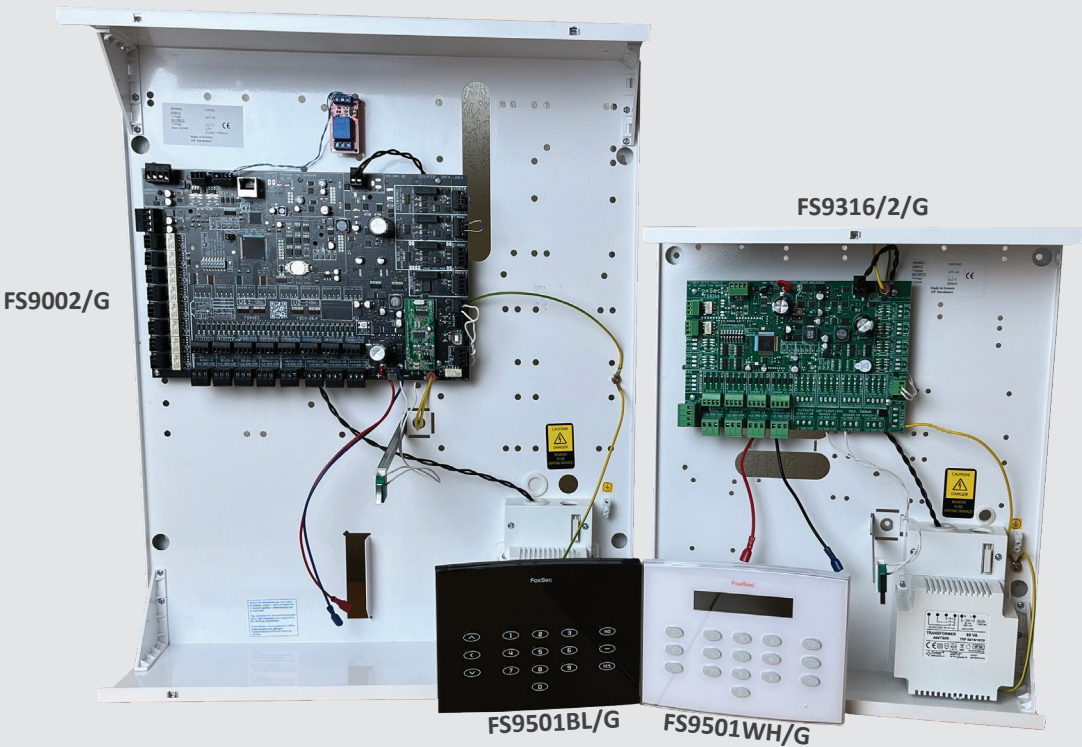
PRO series Grade 3 certified



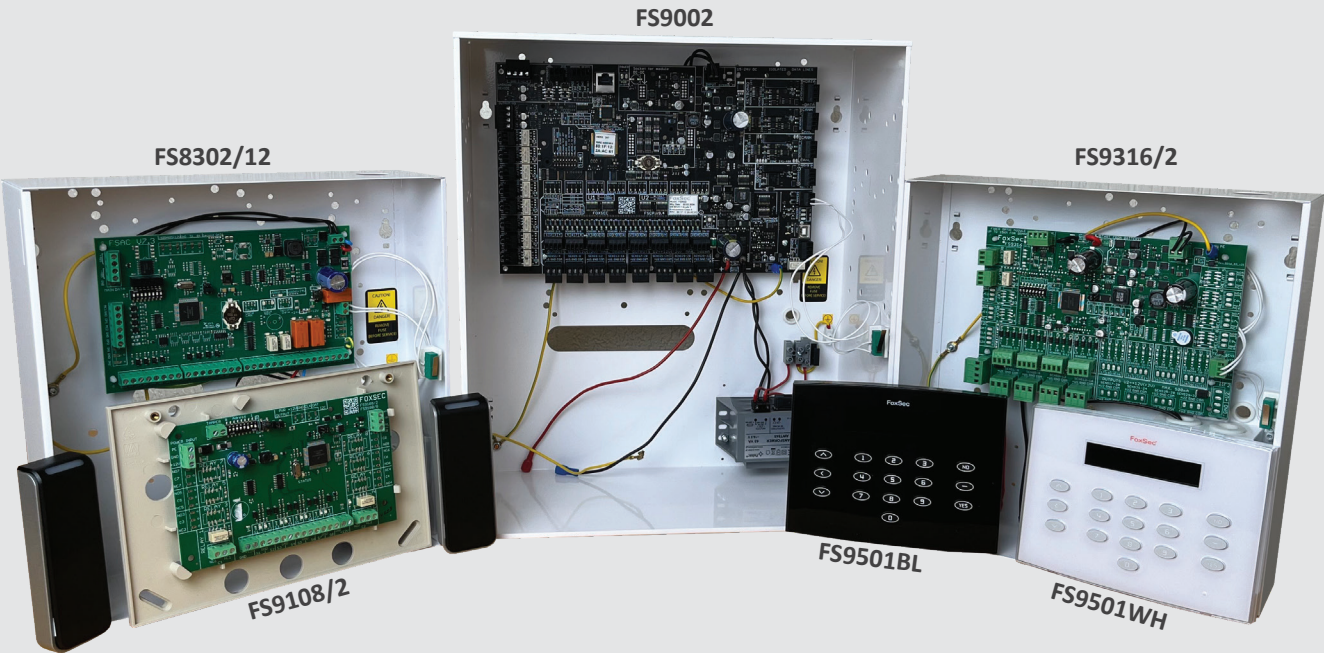
PRO series Grade 3 compatible



PRO series Grade 3 certified



PRO series



PRO series SmartPass access system



Lockers series

