



# FoxSec<sup>®</sup>

INTELLIGENT ACCESS CONTROL & INTRUDER ALARM SYSTEMS



# ABOUT US

Founded in 1994, Hardmeier OÜ is a leader in the security technology sector, specializing in integrated access control and intruder alarm systems. From our headquarters in Tallinn, Estonia, we design and manufacture all of our products within the European Union, ensuring the highest standards of quality and durability.

Over the years, we have become a trusted long-term partner for a range of security needs, from smaller, simpler systems to large-scale, comprehensive security solutions. We pride ourselves on our flexibility and offer extensive integration possibilities that tailor our systems to meet the diverse requirements of our clients.

We are proud holders of the Security Grade 3 certification, an indicator of top-tier quality in the security sector. This certifies our commitment to continuous innovation and adherence to the highest industry standards.

At Hardmeier OÜ, we ensure our clients receive comprehensive after-sales service and technical support. Our delivery processes are both fast and flexible, designed to cater to the dynamic needs of our customers efficiently.

# FOXSEC SYSTEMS & SOLUTIONS

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# GRADE 3 CERTIFIED PRODUCTS

## FS9511 GRADE 3 OLED KEYPADS

(CERTIFICATE NO TT - 87/2023)

- 2 x 20 character OLED keyboard with back lighting
- Touch pad movement sensor. Touch pad 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 disable of user access, sensors or expansion modules, a 100-keypad event memory
- Fast and friendly interface
- External reader input
- 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 25 mm
- Optical isolation, i.e. power can be taken from the power supply unit of any data communication line, also from the door controller
- Electronic tamper.





# GRADE 3 CERTIFIED PRODUCTS

## FS9002 G MAIN PANEL

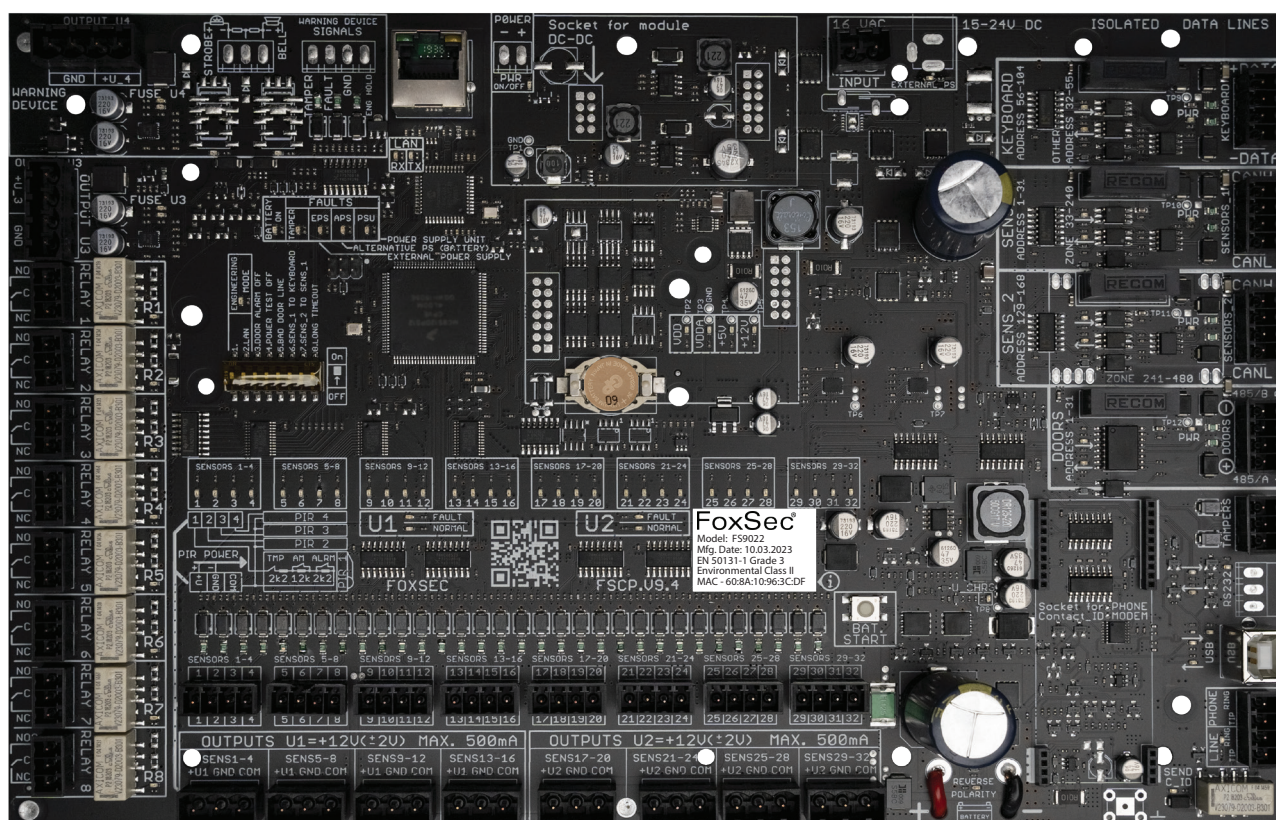
FoxSec FS9002 G is EN50131 Grade 3 certified (Certificate no TT- 89/2023) integrated security and access control system designed for large installations. Securing 240 Areas, up to 480 zones (32 on main board, expandable to 480 zone inputs) and 62 door sensors.

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

Programming of FoxSec FS9002 G is done through FoxSec Conf configuration software. FoxSec Conf is designed for use by installer (system programming).

### FEATURES

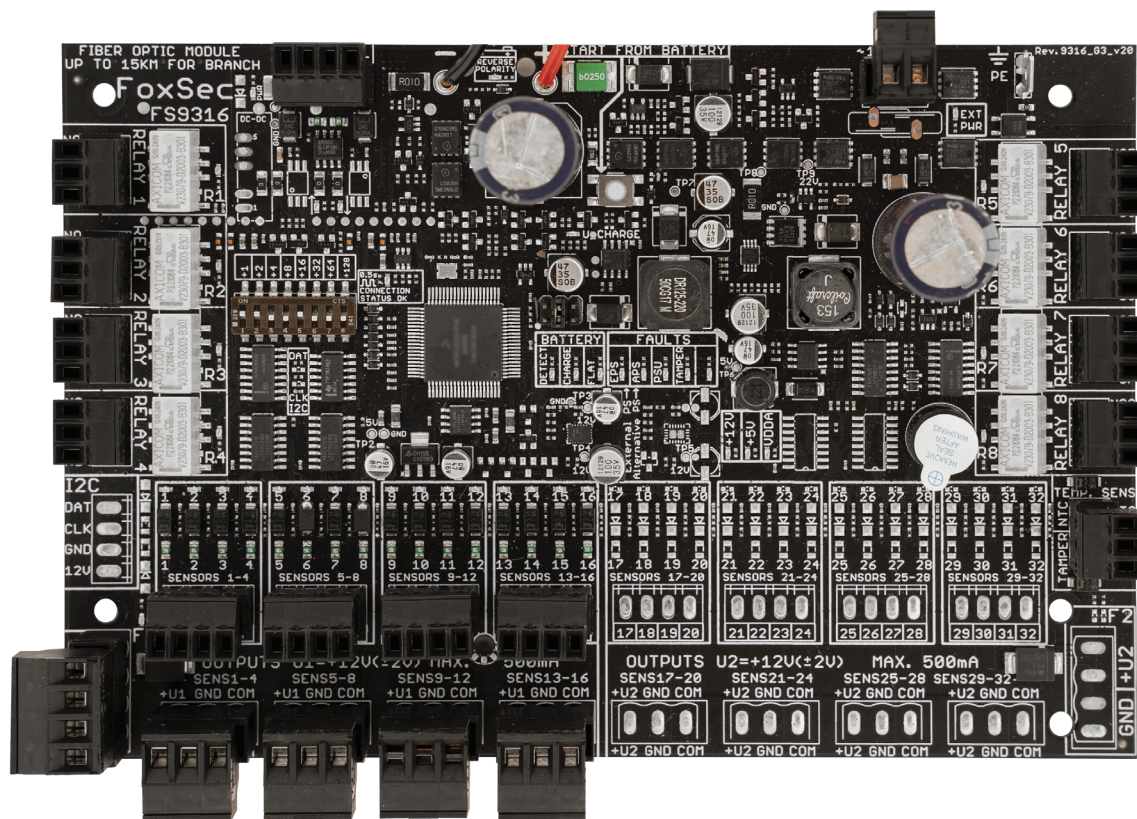
- 32 alarm zone inputs, expandable up to 480 zones via expansion modules + up to 62 access door sensors
- up to 240 security areas
- 8 programmable relay outputs, expandable up to 1000 relay outputs with expansion modules
- Up to 4 security main panels or door data-line modules can be linked over Ethernet adding up to 32 areas and 32 outputs from other panels or up to 310 doors
- Independent real-time 100 alarm and 100 door events buffer
- 48 keypads (built-in reader optional)
- 4 or 6 digit PIN or card + PIN authorization
- 5760 arming users with up to 38 personal areas and 60 arming time zones
- 24 000 security events
- Programmable 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
- 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 reverse polarity protection
- Configuration with FoxSec Conf software (for installers)
- 3A power supply with battery charger
- Contact ID phone line modem (optional)
- IP Contact ID alarm signaling 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



# GRADE 3 CERTIFIED PRODUCTS

## FS9316 G EXPANSION MODULE

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



FS9316 G is EN-50131 Grade 3 certified Intruder Alarm System (Certificate no TT- 88/2023)

The FS9316 G 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 FS9316 G connects to FS9002 G/FS9002 and FS9020 main panels via CANbus.

FS9316 G features backup battery capacity test, battery reverse polarity protection, LED indicators for various statuses of on-board systems, separate input for temperature sensor and easy to use pluggable terminals for all PCB connections.

Optionally the FS9316 G 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 FS9316 G can be ordered with I2C expansion port for connecting additional relay modules to expand on-board output relays (optional).

### FS9316 G/2 AND FS9316 G/8 GRADE 3 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
- Beeper for easy module identification
- Battery status and fault indicators
- Battery backup capacity test and reverse polarity protection with indication
- Power supply unit 12VDC, 2A
- Grade 3 certified enclosure



# PRO series

## FS9002 MAIN PANEL

FoxSec PRO series hardware is integrated security and access control systems hardware designed for medium and large projects. Each FS9002 main panel 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, expandable up to 310 door sensors) and controlling up to 310 doors.

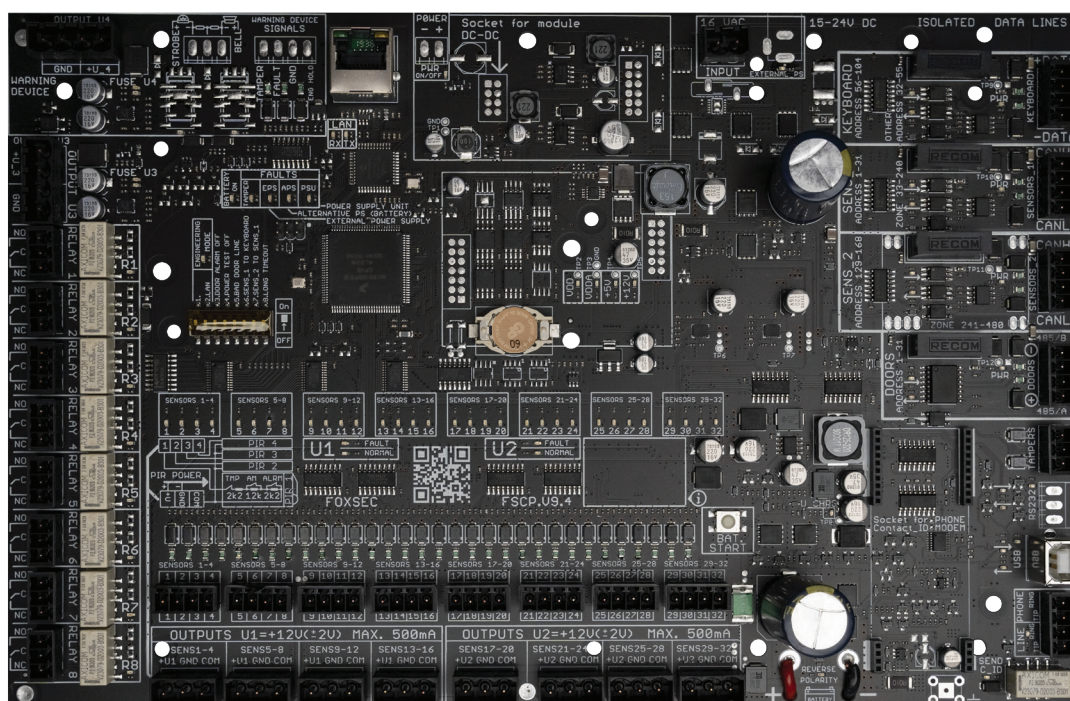
The FoxSec FS9002 is designed for installations in commercial complexes and high-security installations.

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. Programming of FoxSec FS9002 is done through FoxSec Conf configuration software. FoxSec Conf 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 1000 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
- Independent real-time 100 alarm and 100 door events buffer
- 48 keypads (built-in reader optional)
- 4 or 6 digit PIN or card + PIN authorization
- 5760 arming users with up to 38 personal areas and 60 arming time zones
- 24 000 security events
- Programmable 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 reverse polarity protection
- 3A power supply with battery charger
- Contact ID phone line modem (optional)
- IP Contact ID alarm signaling 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)





# PRO series

## ACCESS CONTROLLERS

### FS7301/FS7302 AND FS8301/FS8302 DOOR CONTROLLER

- 1 door (2 readers) FS7301, FS8301
- 2 doors (4 readers) FS7302, FS8302
- Up to 1850 card users (FS7301, FS7302)  
2000 recent events in the controller memory
- Up to 7600 card users (FS8301, FS8302)  
2000 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(Aperio wireless, ANPR, ESD tester, QR code, OSDP readers) 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)

### FS7302/FS8302 ECO DOOR CONTROLLER

- 2 doors, up to 4 readers
- FS7302 ECO up to 1850 card users
- FS8302 ECO up to 7600 card users
- 2000 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 1850 or 7600 card users and 2000 recent events in the controller memory
- 2 programmable relay outputs
- 2 Wiegand inputs
- Anti-passback
- Optical isolation for data line
- RS485(Aperio wireless, ANPR, ESD tester, Qr code, OSDP readers) input (optional)
- Metal case 290 x 280 x 80 mm

### FS6300IO/8 AND FS6300IO/16 ELEVATOR CONTROLLER

- 8 floors / 16 floors
- Up to 1850, 7600 card users and 2000 recent events in the controller memory
- 1 Wiegand input
- Optical isolation for data line
- RS485(Aperio wireless, ANPR, ESD tester, Qr code, OSDP readers) 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

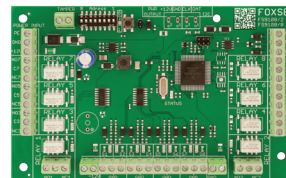
- 8 zone inputs
- 2 or 8 programmable relay outputs (12V/0,5A / NO/NC)
- Power voltage 12VDC
- Adjustable EOL (end of line resistance)
- ABS plastic case 155 x 230 x 55 mm (Optional)

### FS9216/2 AND FS9216/8 EXTENSION MODULE

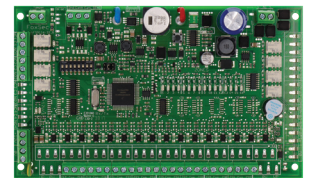
- 16 zone inputs
- 2 / 8 programmable relay outputs (12V / 0,5A / NO/NC)
- Adjustable EOL (end of line resistance)
- Metal case 290 x 280 x 80 mm
- Power supply unit 12VDC, 0,5A
- Battery control

### FS9316/2 AND FS9316/8 EXPANSION MODULE

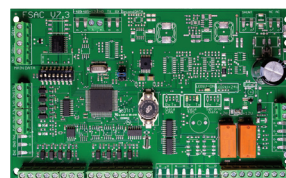
- 16 zone inputs
- 2 or 8 relay outputs
- Optional Fiber optic data-line up to 20 km
- 12V sensor power output with short circuit protection
- Beeper for easy module identification
- Metal case 290 x 280 x 80 mm
- Battery status and fault indicators
- Battery backup capacity test and reverse polarity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



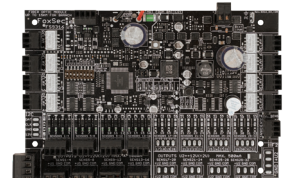
FS9108/2 AND FS9108/8 EXTENSION MODULE



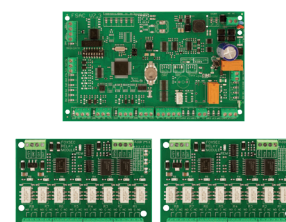
FS9216/2 AND FS9216/8 EXTENSION MODULE



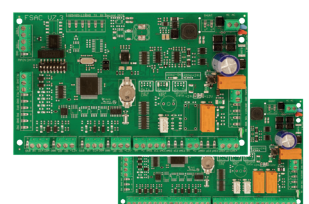
FS7302/FS8302 ECO DOOR CONTROLLER



FS9316/2 AND FS9316/8 EXPANSION MODULE



FS6300IO/8 AND FS6300IO/16 ELEVATOR CONTROLLER



FS7301/FS7302 and FS8301/FS8302 DOOR CONTROLLER

# PRO series

## KEYPADS

### 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
- 100-keypad event memory
- Fast and friendly interface
- Built-in proximity reader (optional)
- External reader input
- 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 (Custom- FS9501CUST, black casing- FS9501BL, white casing- FS9501WH)

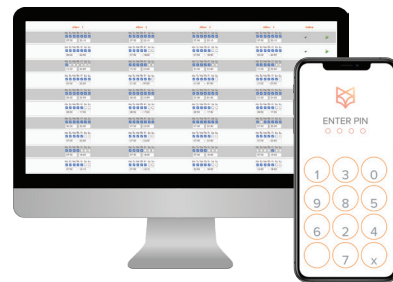


### FOXSEC WEB APP AS KEYPAD

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 „WEB BASED SOFTWARE“ section...



## ACCESSORIES

### FS9131/FS9131POE COMMUNICATION MODULE

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



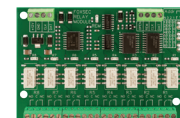
### FS9100/8 OUTPUT MODULE

- 8 programmable relay outputs (12V/5A / NO/NC)
- Metal case 290 x 280 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



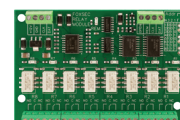
### FS9140 CONTACT ID COMMUNICATOR (PHONE LINE)

- 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 PANEL

FoxSec LITE series hardware is for smaller integrated security and access control systems. The FS9020 central control panel features 16 on-board zones, 9 PGMs, Ethernet communication and 2 Wiegand inputs (2 doors). Each FS9020 control panel can be extended to control up to 240 security zones using extension modules.

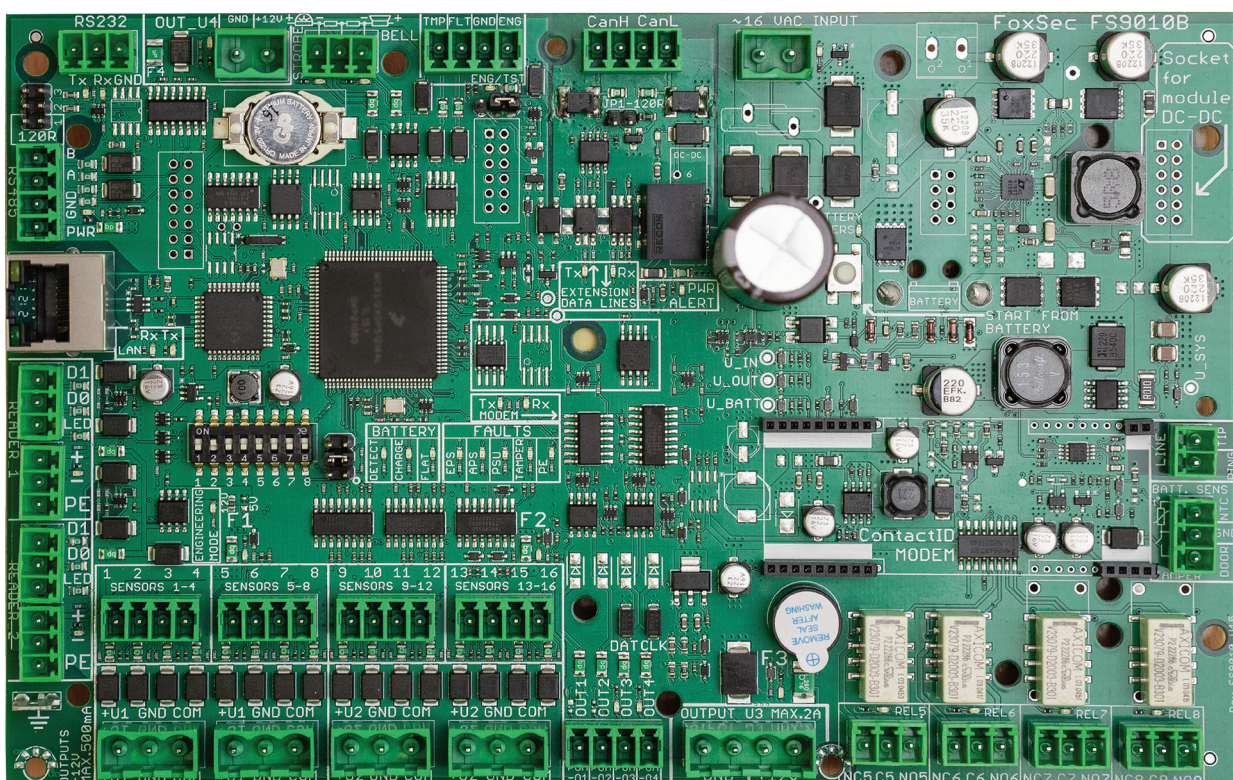
FoxSec LITE series is compatible with FoxSec WEB management software.

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 OLED 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 (PGM) (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 2800 security users
- Independent real-time 100 alarm and 100 door events buffer
- 48 keypads (built-in reader optional)
- 4 or 6 digit PIN or card + PIN authorization
- 2800 arming users with up to 19 personal areas and 60 arming time zones
- 2500 security events
- Programmable 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 signaling over Ethernet
- Extra power output 12V 24W for web server (optional)
- 2 x Wiegand input
- Grade 3 compatible enclosure (optional)
- Measure battery series resistance
- Battery reverse polarity protection
- Lead-Acid battery charger with absorb and equalizer
- RS485/RS232(Aperio wireless, GSM modem), input (optional)



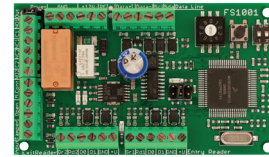


# LITE series

## 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(Optional)

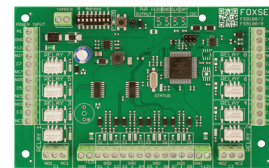


FS1001 DOOR MODULE

## EXTENSION MODULES

### FS9108/2 AND FS9108/8 EXTENSION MODULE

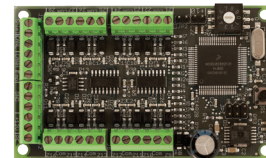
- 8 zone inputs
- 2 or 8 programmable relay outputs (12V/0,5A / NO/NC)
- Power voltage 12VDC
- Adjustable EOL (end of line resistance)
- ABS plastic case 155 x 230 x 55 mm(Optional)



FS9108/2 AND FS9108/8 EXTENSION MODULE

### FS9116/0 EXTENSION MODULE

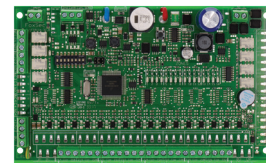
- 16 zone inputs
- Power voltage 12VDC
- PCB 90 x 55 x 10 mm
- ABS plastic case 155 x 230 x 55 mm(Optional)



FS9116/0 EXTENSION MODULE

### FS9216/2 AND FS9216/8 EXTENSION MODULE

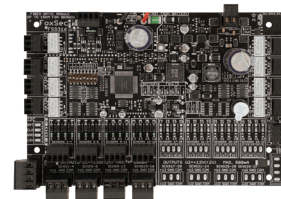
- 16 zone inputs
- 2 / 8 programmable relay outputs (12V/0,5A / NO/NC)
- Adjustable EOL (end of line resistance)
- Metal case 290 x 280 x 80 mm (Optional)
- Power supply unit 12VDC, 0,5A (Optional)
- Battery control and recharging



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 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, 2A
- Grade 3 certified (FS9316 G/2, FS9316 G/8)

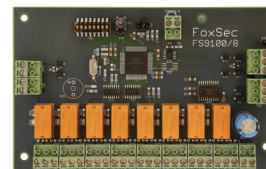


FS9316/2 AND FS9316/8 EXPANSION MODULE  
FIBER OPTIC DATA-LINE (OPTIONAL)

## ACCESSORIES

### FS9100/8 OUTPUT MODULE

- 8 programmable relay outputs (24V/5A / NO/NC)
- Metal case 290 x 280 x 80 mm
- Power voltage 12VDC, 3A
- 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)

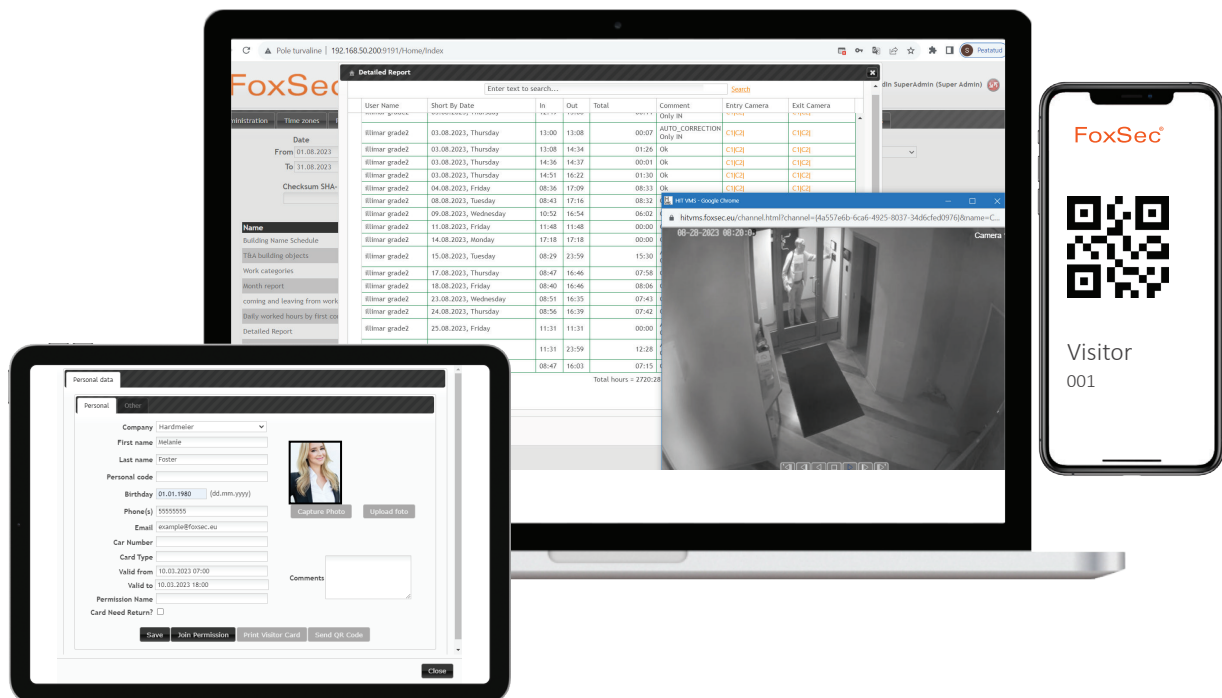
- Up to 240 Contact ID accounts
- Up to 98 areas
- Up to 999 users



# WEB BASED SOFTWARE

## FoxSec WEB

- 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
- API for third-party developer



## 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 permissions 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 work-time 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

The screenshot shows the FoxSec WEB interface with a top navigation bar (Administration, Time zones, Permissions, Users, Cards, Log, Location, TBA, Live Video, My Account, Visitors). Below the navigation bar are filters for Date (From: 01.04.2024, To: 30.04.2024), Company, Department, and Building. There are buttons for 'Previous month report', 'Current month report', 'Checksum SHA-512', 'Recalculate TBA', and 'Export'. A table lists various reports with columns 'Name' and 'Description'. Below this is a 'Month report' section with a table for 'April 2024' showing user attendance data.

Users	April 2024		April 2024 Total
	1	2	
Alvo Sitr	03:44	03:16	07:01
Aleksander Torjus	0	0	00:00
Andreas Spjell	07:02	07:30	14:33
Andreas Spjell	06:21	06:25	12:47
Andreas Spjell	0	0	00:00
Andreas Spjell	0	00:32	00:32
Andreas Spjell	07:24	0	07:24
Andreas Spjell	0	0	00:00
Andreas Spjell	07:59	07:33	15:32
Andreas Spjell	0	0	00:00
Andreas Spjell	0	0	00:00
Andreas Spjell	00:02	00:00	00:02
Grand Total	32:34	25:19	57:54

## FoxSec InPlace App

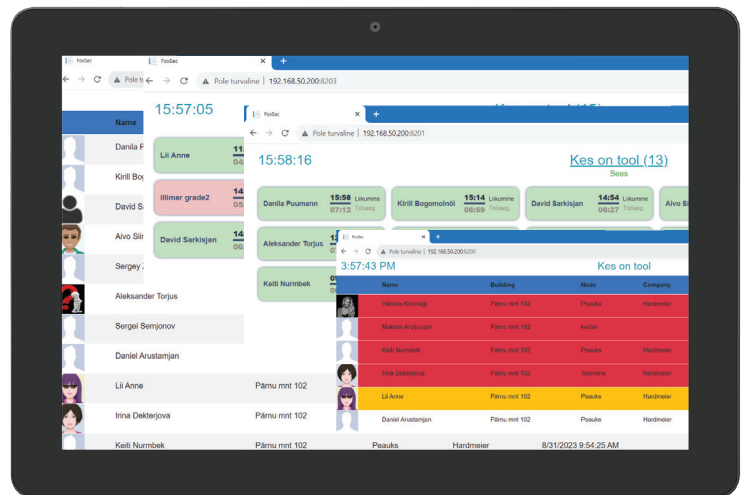
This solution is designed to provide a convenient visual overview of the presence of employees registered in your department, office, building, territory, etc.

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
- 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 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 Web Monitoring (Based on Web app)

FoxSec Web Monitoring is a add-on of FoxSec Web App.

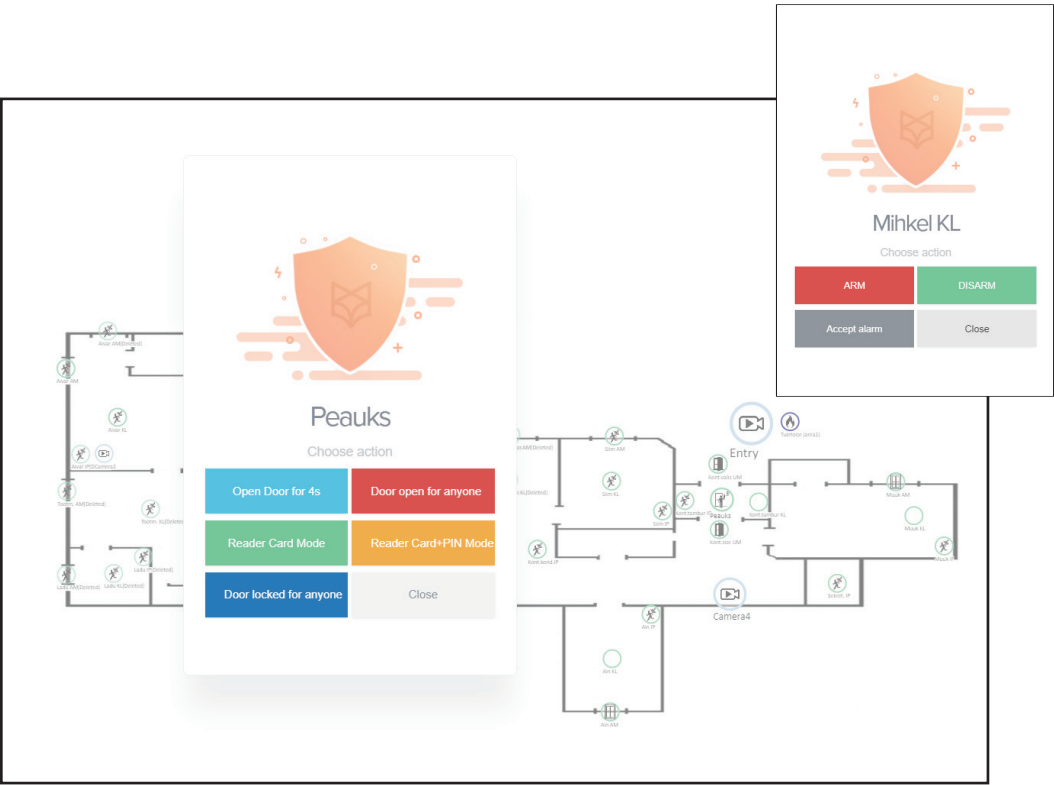
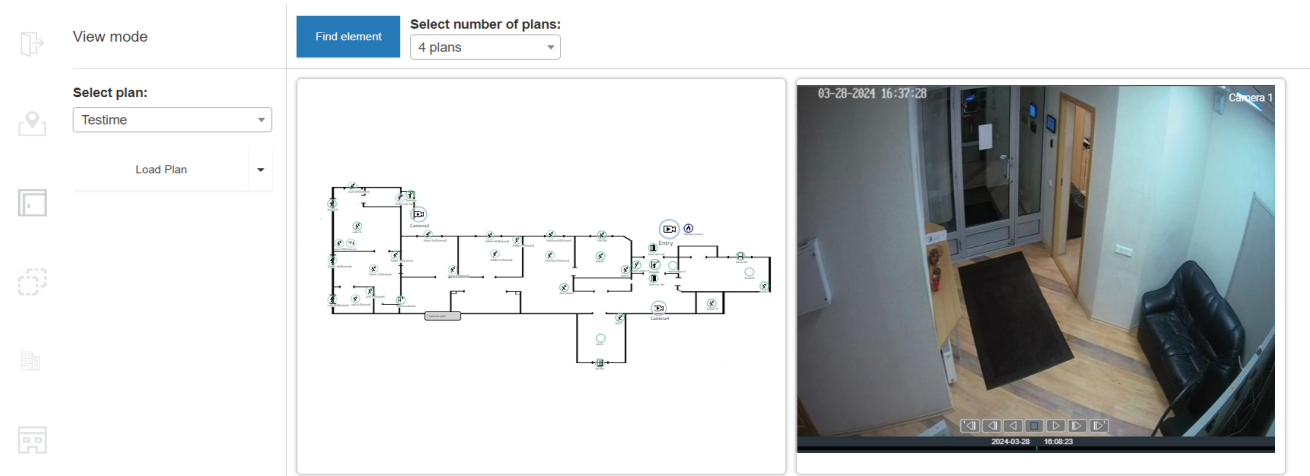
FEATURES

**Multi-Plan Display:** Monitor up to four plans simultaneously on a single screen, enabling comprehensive oversight of your facility's security systems.

**Custom Floor Plans:** Tailor the app to your specific requirements by creating custom floor plans that accurately reflect the layout of your premises.

**Interactive Controls:** Easily interact with sensors and controllers directly from the floor plan interface, facilitating swift response to security events and system adjustments.

**Seamless Camera Integration:** Access camera feeds directly from the floor plan interface, providing real-time visual verification of security incidents.



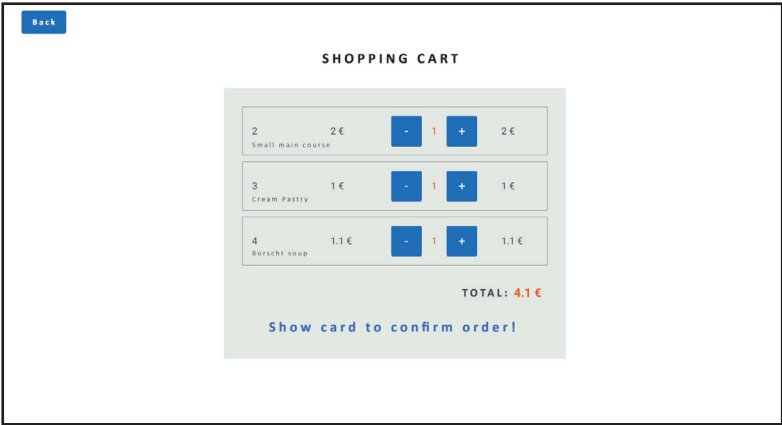
FoxSec Web Catering

FoxSec Web Catering is a sophisticated, cashless catering solution designed specifically for intra-company use. It features a duplicated screen system where both the cashier and the client see the same content; however, only the cashier's screen is interactive, allowing for on-the-fly modifications during the transaction process.



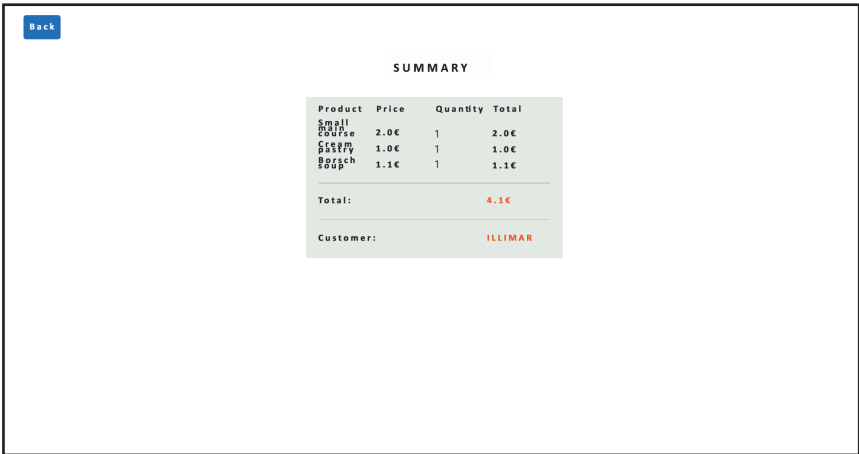
FEATURES

- Duplicated Screen System: Both cashier and client view the same items and prices on duplicated screens. The cashier's touch screen allows for adjustments and finalization of the order in real-time.
- Access Card Enabled: Employees use their company access cards at checkout, linking purchases directly to their accounts in a secure manner.
- Automated Monthly Reporting: Enables managers to effortlessly generate detailed reports on employee usage and expenditure, streamlining cost management.



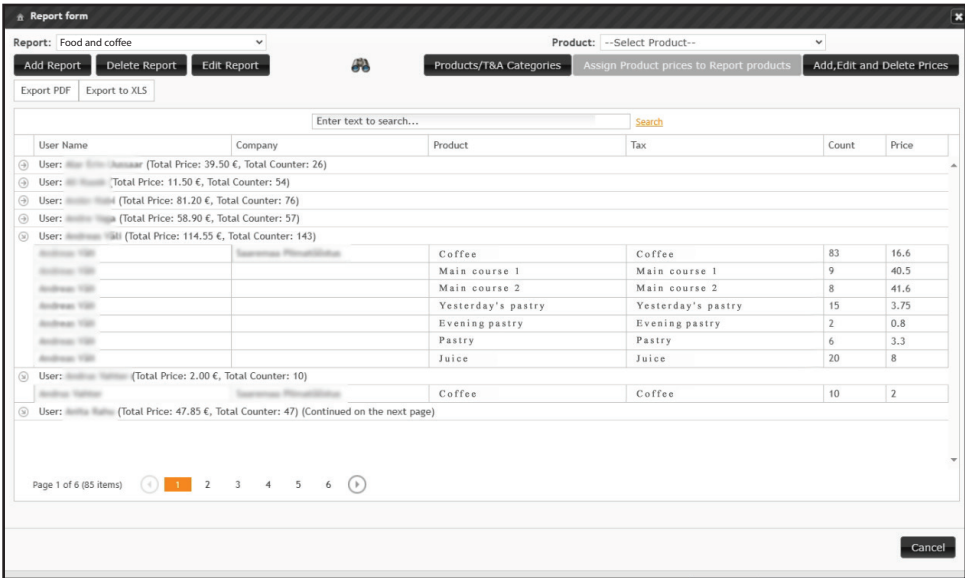
BENEFITS

- Efficient Cashless Transactions: Facilitates a quick, secure, and paper-free buying process within the company.
- Real-Time Order Modification: Cashiers can alter orders as needed, with changes immediately visible to clients, enhancing transparency and satisfaction.
- Accurate and Easy Management: Reduces administrative burden with automated data collection and analysis.



IDEAL FOR

Companies seeking to enhance their canteen services with a reliable, user-friendly and efficient electronic catering system that promotes a seamless dining experience for employees.



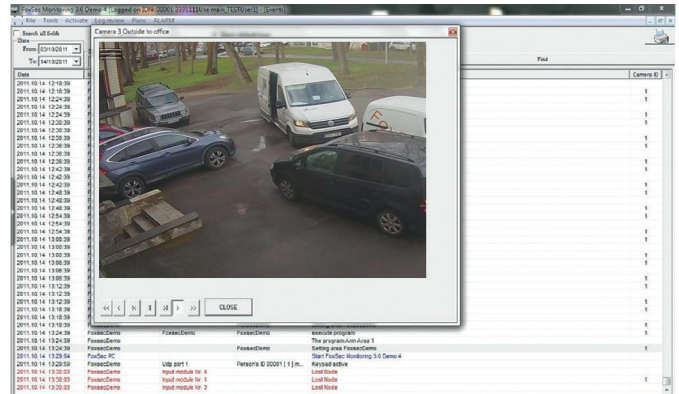
# PC BASED SOFTWARE

## 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
- activate the security mode in zones and areas
- review events and the associated video records
- manage outputs from the relay modules



## FoxSec 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 user friendly 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

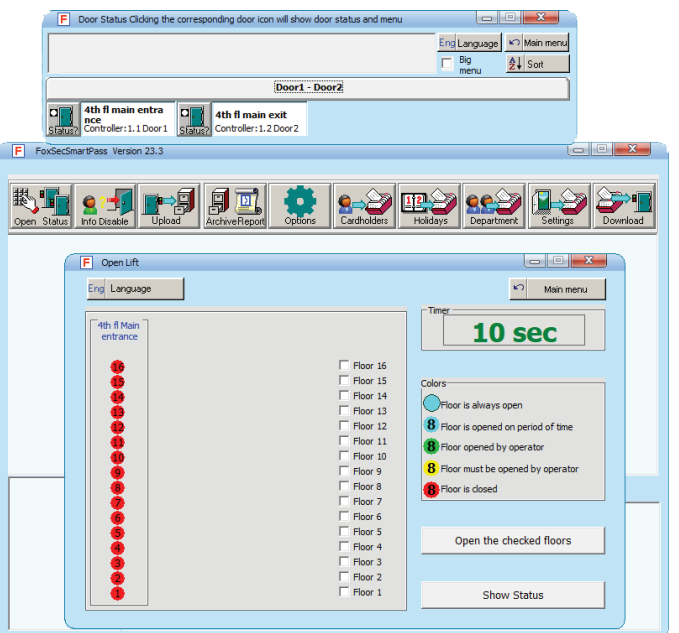
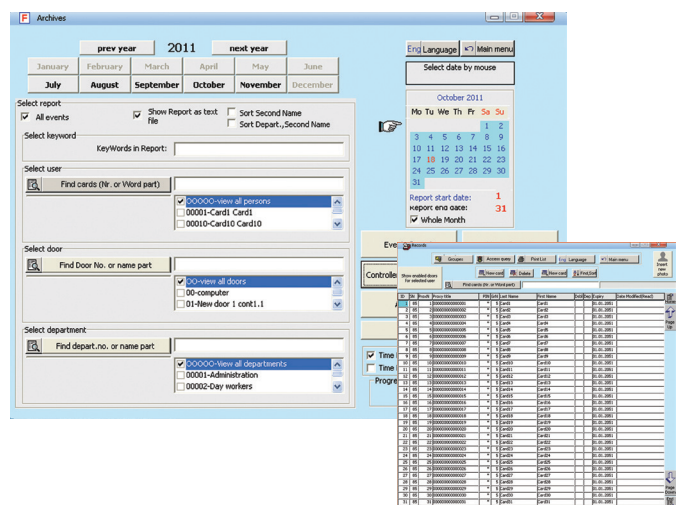
Report can be sorted in 2 ways:

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

FoxSec Smart Pass access control allows up to 1850 users and 50 different access points

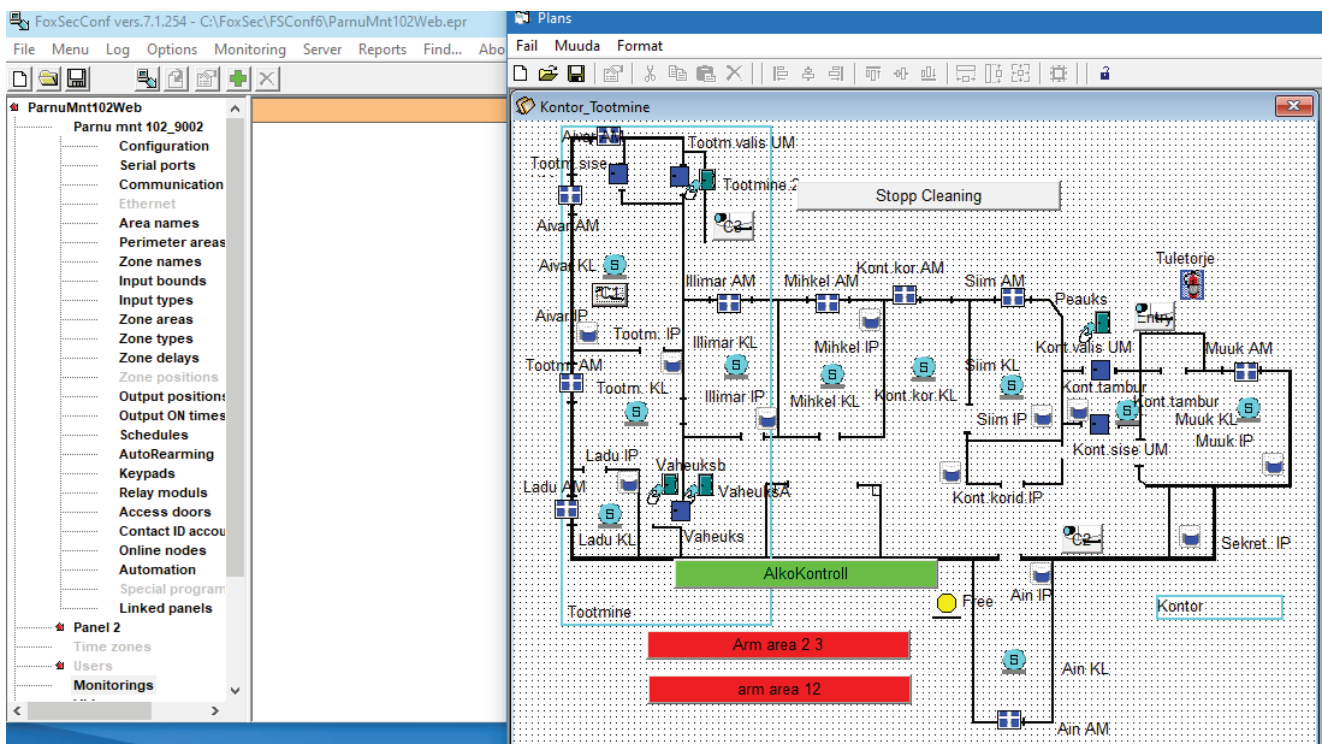
Supported PRO series hardware:

- FS7301
- FS7302
- FS7311
- FS6300IO8
- FS6300IO16
- ADP4

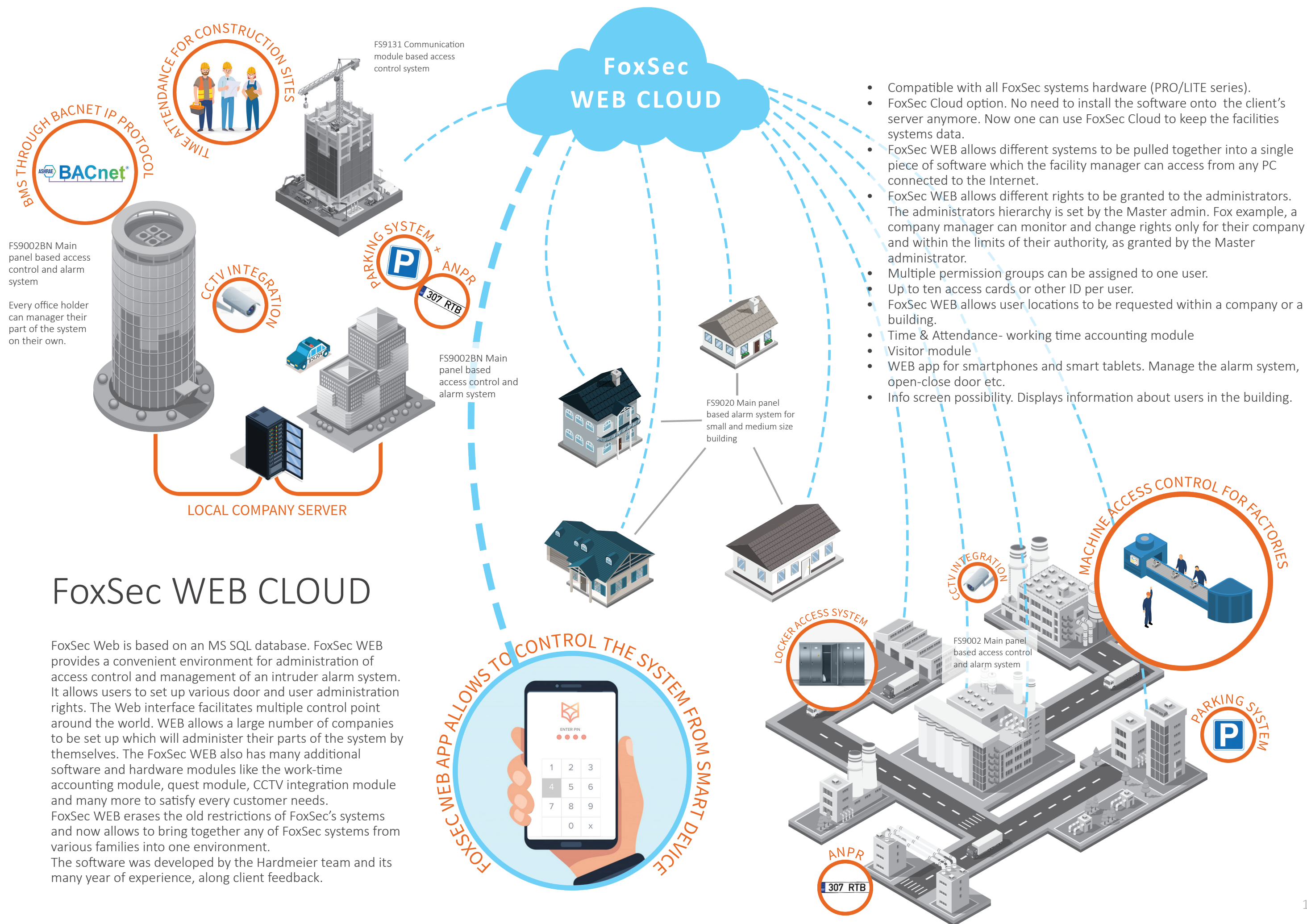




is system configuration software. The setup process for hardware, software, and integration configuration settings such as FoxSec Monitoring graphical floor plans, CCTV integration, etc, is created using FoxSec Conf software.



# FOXSEC CLOUD



## FoxSec WEB CLOUD

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 work-time 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 many year of experience, along client feedback.



# 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



# SMALL LOCKER CABINETS

Small locker cabinets designed to streamline key and access card distribution within your business premises. Utilizing the same access cards already in use within your business, our cabinets seamlessly integrate with your existing security infrastructure.

## Applications

- **Office Buildings:** Streamline key management for employees across different departments and floors
- **Hotels:** Simplify the process of distributing room keys to guests and staff.
- **Healthcare Facilities:** Ensure secure access to medication storage areas and restricted zones.
- **Educational Institutions:** Manage access to classrooms, laboratories, and administrative offices effectively.



# HARDWARE FEATURES

## FS9011 MAIN PANEL

- 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
- Compatible readers: EM, Mifare/Deister, IClass/IClass SE, HID Prox, Legic, ISO15693



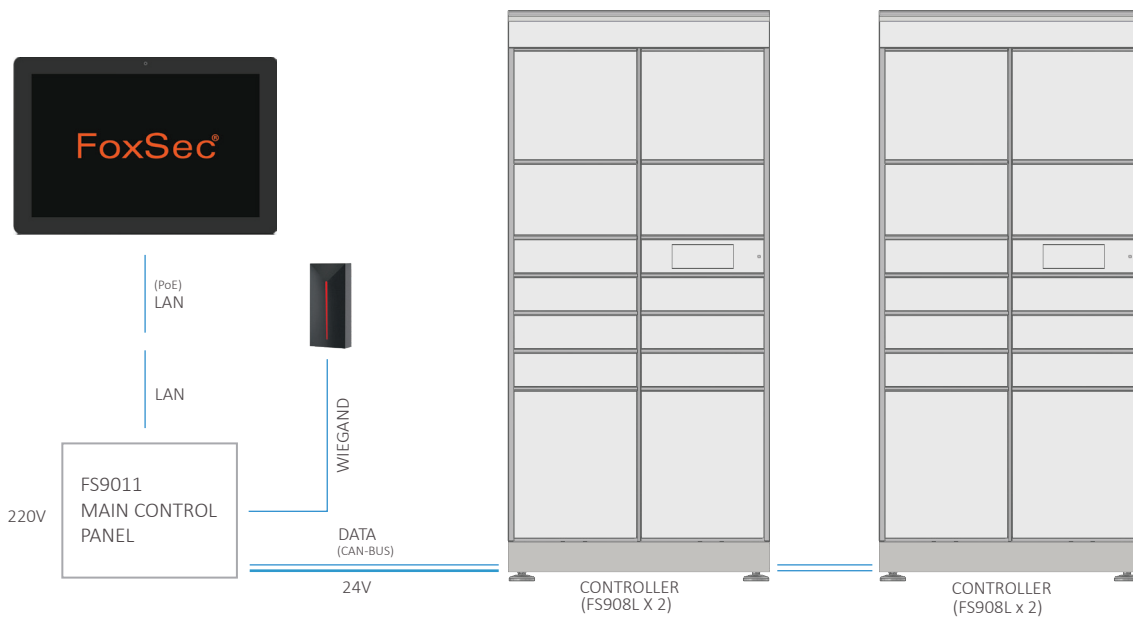
## FS908L CONTROLLER MODULE

- 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 FoxSec Conf
- Connects directly to main panel CAN data line
- 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/m<sup>2</sup>
- 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



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

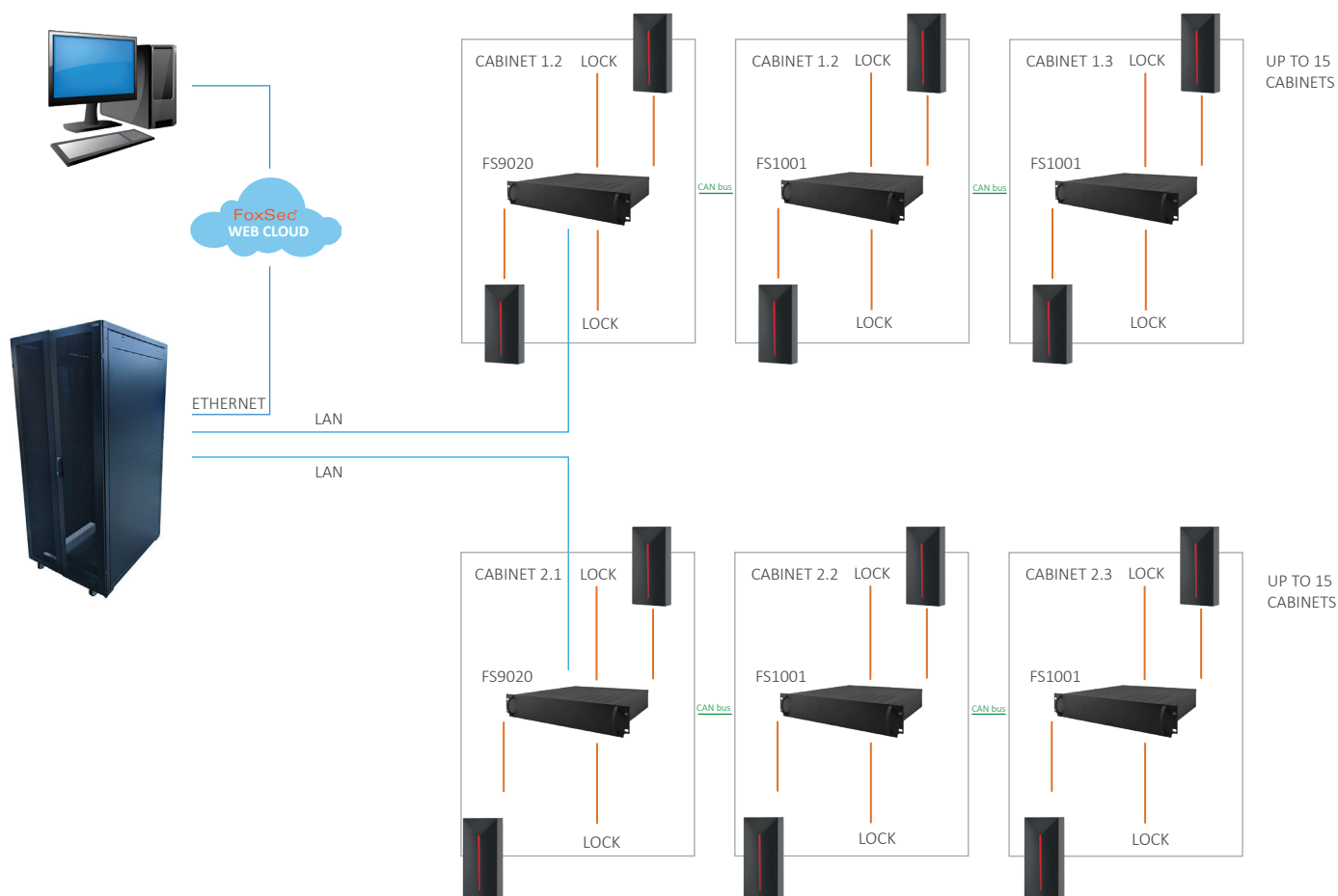
The FoxSec Data Center Access System is designed to allow authorized persons to access devices in data center cabinets. The system is suitable for both large and small server rooms, as well as for individual cabinets. The FoxSec Data Center Access System is fully compatible with FoxSec Web security and 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 panel and the door modules FS1001. Each panel is housed in a 19" to 2U enclosure, which is suitable for installation in a 19" cabinet. The single FS9020 main panel allows you to manage up to 15 double-door cabinets. The system is expandable by adding an additional FS9020 main panel. The main panel 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 panel 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 panel 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.



# INTEGRATIONS

## **INFORMATION SCREEN (WEB)**

- Shows who is in the facility and when the person arrived
- Can be used with most smart devices

## **CCTV INTEGRATION (WEB)**

Integration with HIT VMS Software

- Live playback
- Playback video from archive
- Integration with Hikvision and Dahua NVR

## **APERIO (WEB / LITE)**

- Battery powered Aperio device upgrades can be fitted to most mechanical lock cases
- Simple to install- no wiring to the door
- Provides card reader and wireless transceiver
- More eco to run and less work required to add any doors into the system

## **CAR NUMBER PLATE RECOGNITION (WEB)**

- Integrated car registration numbers with FoxSec access control application
- The 'Automatic Number Plate' feature works just like regular access cards
- Car registration numbers are inserted into software in the same way as access card numbers
- ANPR engine on board with worldwide countries; PC needed only for configuration work
- Range of action: 3.5-25m
- Waterproof IP66 housing

## **LOCKER SYSTEM (WEB)**

- Individual locker for the certain user
- Every time user gets random locker for assigned time period
- Displays information on a screen

## **HR INTEGRATION (WEB)**

Import new users and synchronize data every night from HR (LDAP or CSV) to FoxSec users database

## **SPORTS CLUBS / SWIMMING POOL ACCESS / TICKETING INTEGRATION (WEB / LITE)**

- Same card readers used for employees and guests
- Cash register directly pulls information from all card readers
- Allows users to create ten day or thirty day passes, or three months or one year membership, etc
- Internet. booking system, allowing customers to register themselves for group training, and administrator has the ability to check reservations and the use of rooms
- Local information terminal

## **THEATRE MANAGEMENT (WEB)**

Planning, information handling and digital work processes for performing Theaters, Opera houses and Concert organizations.

## **BACNET PROTOCOL (WEB / LITE)**

- Protocol for the integration of FoxSec systems with the building automation system
- Foxsec Main panel BACnet Object

## **CAR PARK COUNT (WEB / SMART PASS)**

- Shows the number of free parking spaces
- Allows IN / OUT registration
- Synchronization with FoxSec Access Net or WEB database
- Area of use: car park

## **COFFEE CUPS COUNTING (WEB, SMART PASS)**

- Counts the coffee cups used for each user
- Export reports to Excel

## **RUBBISH CONTAINER ACCESS SYSTEM (WEB / LITE)**

- Allows the waste disposal company to administer multiple systems through the network
- Shows the status of rubbish bins and sends an alarm to the waste disposal company when, for example, the bin is full or the temperature is too high

## **ELECTROSTATIC DISCHARGE TESTING (WEB )**

- Allows access after the electrostatic discharge test is passed

## **OTHER**

Ability to integrate many identification devices such as:

- card readers
- fingerprint readers
- QR readers
- face/iris recognition devices etc.

# 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



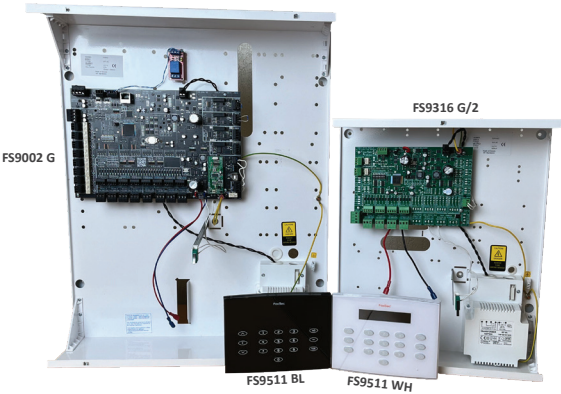
## **FS PC1523W**

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

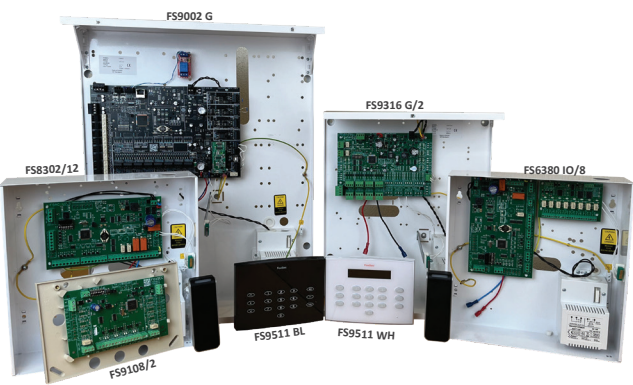


# PRODUCT SETS

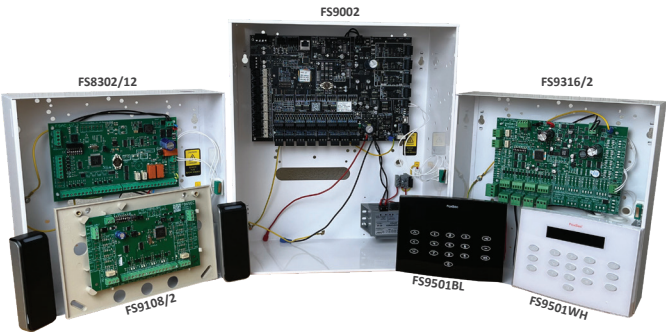
PRO series Grade 3 certified



PRO series Grade 3 compatible



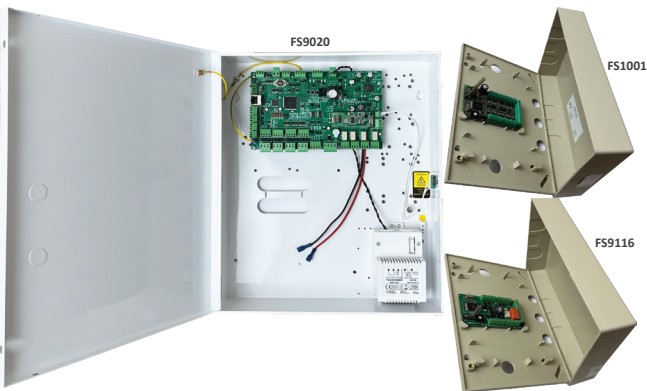
PRO series



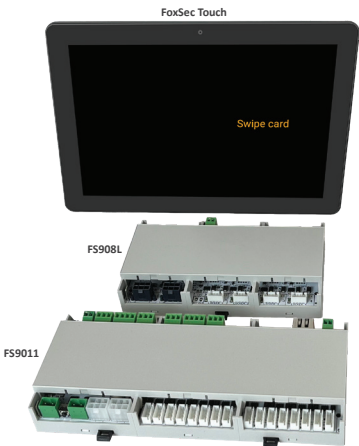
PRO series Smart Pass access system



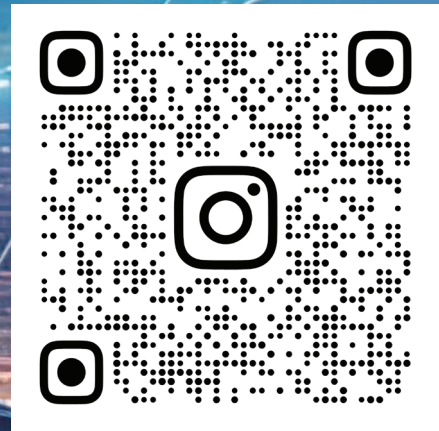
LITE series



Lockers series







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