FoxSec Main Panel

FoxSec® FS9020 is EN50131 Grade 2 compatible integrated security and access control system designed for medium installations.

Securing 240 Areas, up to 240 zones (16 on main board, expandable to 240 zone inputs) and controlling up to 31 access points.

FS9020 is designed for installations in commercial complexes and high-security installations.

FoxSec® FS9020 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® FS9020 is done through FoxSecConf configuration software.
FoxSecConf is designed for use by installer (system programming).

FS9020 Features

16 zone inputs / 240 security areas

2 Wiegand- two doors (expandable up to 31 doors)

Built-in Ethernet data communication

Up to 2800 users in memory

Up to 3500 access control logs + 2500 alarm logs in memory

Power supply unit 16VAC up to 3,2A

Battery control and capacity test

Automation UDP port for integration with POS, etc.

Up to 80 schedules

Up to 48 keypad

Up to 1000 relay outputs

Up to 4 linked main panels

Holidays

Features

Metal enclosure protects components from Damage and tampering the device Mount to any wall surface, using three screws. The unit should be installed indoors, inside a secure area, such as in an IT or telecommunications room, utility closet, or on a wall above a suspended ceiling.

RJ-45 connector for Ethernet TCP/IP
Quick-disconnect screw terminal connectors:
One RS-485 connection to other devices (optional, Assa Aperio)
16 on-board supervised inputs for security detectors
4 PGM outputs
2 transistor outputs for bell and strobe
4 non latching output relays for local alarm or other devices
(rated 4 x 3A, 48VDC)
2 x card reader inputs (wiegand only)
1 x CANbus input for zone expander modules
1 x RS232 input for GSM modem
1 x R485 output for keypads
AC/DC Power input
Tamper inputs (enclosure door and wall)
24V output (optional). Only output modules and door modules

The user should supply 12 VDC to connected interfaces. Separate supervised DC supplies with battery back-up are recommended for door locking or relay activated devices if consumption exceeds 2A

16-bit CPU Microcontroller, 80 MHz
512 k Flash memory inside microcontroller
256k EEPROM non-volatile memory
196k FRAM non-volatile memory

Warranted against defects in materials and workmanship for 24 months.
(See complete warranty policy for details.)

Specifications

Dimensions
300W x 220H x 75D mm (metal case with power supply)
(11.8" x 8.6" x 2.9")
204W x 125H x 40D mm (only PCB)
(8,03" x 4,9" x 1,6")
Weight
6.97 kg (245 oz) without battery (metal case with power supply)
0.21 kg (7,40 oz) (only PCB)

Enclosure Material
Metal

Power Supply Requirements
100-240VAC 50/60Hz power supply
Power input 16VAC 40WA, main fuse 630 mA
Recommended: Supervised switching power supply with battery backup, input surge protection, AC Fail and battery low contact outputs.
Separate supervised DC supply with battery back-up recommended if power supply max consumption exceeds.

Operating Environment
Indoors or customer-supplied NEMA-4 Enclosure
Temperature
-10° to 40° C (14° to 104° F)
Humidity
0% to 80% relative, non-condensing
Materials RoHS compliant 2002/95/EC

Communication Ports
1 x TCP-IP- 10/100 Mbps
1 x CANbus- two wire
2 x RS-232- GSM modem (three wire) for SMS, other devices and options
1 x Phone line (two wire) for phone contact ID modem
1 x 485- two wire (optional. Can be used for other devices, ASSA Aperio)
Automation UDP port

Cable Distance
ETHERNET – 100m (300 feet) to next device, using Category 5 cable or Category 6 cable
CANBus – 1500m (4900 feet), using shielded twisted pair cable (Cat5e, Cat6e)
RS-232 – 15m (50 feet), using 4 x 0.50 cable
RS-485 –1500m (4900 feet), using shielded twisted pair cable (Cat5e, Cat6e)
Input Circuits – 150m (500 feet), using 4 x 0.22 cable
Output Circuits – 150m (500 feet), using 4 x 0.22 cable
Card reader – 50m (165 feet) 2 x 0.5+4 x 0.22+S
Minimum wire gauge depends on cable length and current requirements.

FoxSec®