Security Expert Security Purpose F/2F Expansion

The Security Expert Security Purpose F/2F Expansion provides sites using legacy end-of-life Casi-Rusco hardware, and those operating F/2F card readers, with a seamless migration path to the Security Expert Security Management System.

Feature Highlights

- Simply unplug the existing Casi-Rusco Secure Perfect/Picture Perfect or GE/Micro5 reader connection and fit to the F/2F Expansion
- No rewiring of existing readers required
- Monitor door position contacts and Request to Exit devices over standard F/2F protocol
- Compact two-tier half DIN rail module design
- Industry-standard DIN rail mounting

Cost Effective Upgrade Path

Many existing Casi-Rusco Secure Perfect, Picture Perfect and GE Micro-5 systems require replacement or upgrade as the platform reaches its end of life. Installations can be large (10,000+ doors) which makes replacing the entire system cost prohibitive. The F/2F Expansion is a cost effective solution giving integrators the ability to take over these sites without the need to replace/rewire existing readers.

- Replacement product is mounted into existing security hardware enclosures
- There is no need to re-wire the system as it uses the existing wiring to card readers and other devices
- Allows continued use of existing cards, saving the time, cost and inconvenience of replacing cards

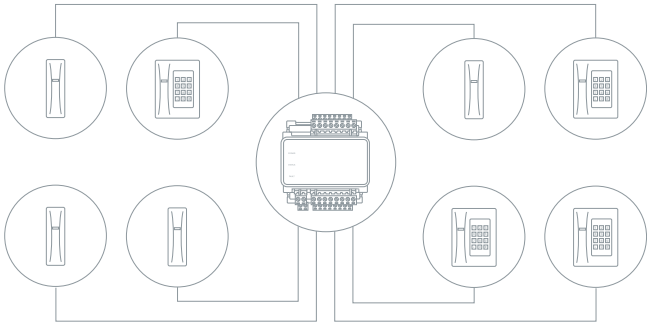
Streamlined Installation

Installation simply involves removing the circuit boards and card cage from the existing Casi-Rusco enclosure. A DIN Rail mounting strip is then installed inside the enclosure, and the replacement Security Expert hardware modules connected. This provides a more robust solution than that offered by other providers which simply replace the circuit boards and continue to use the outdated and fragile card cage.

Scalable Future Proof Design

Beyond offering a cost-efficient approach that leverages your existing investment, moving to Security Expert provides a scalable solution that expands with your business.

The modular design and scalable licensing model makes Security Expert suitable for everyone – from small single door systems right through to large multi-national corporations. Modular expansion allows the system to grow with you and proves to be very cost effective as you only add Expander modules and optional functionality as you need.



Power Supply

Device power is supplied from a 12V DC input. Ultra-low current requirements ensure cost-effective power distribution.

Communication

The RS-485 communication interface port is used for all communications with the Security Expert System Controller.

Technical Specifications

Power Supply	
DC Input Voltage	11-14VDC
Max Pass Through Current	500mA per Reader Pair (Port 1/2, Port 3/4, Port 5/6, Port 7/8)
Total Supply Current*	2.4A
Max Combined Reader Current	1.25A
Operating Current	50mA (Typical) no outputs connected
Communication	
RS-485	Module network
Readers	
Max combined Reader Current	1.25A
Standard Mode	8 F/2F or Supervised F/2F card reader ports (V+, V-, Data, Door)
Auxiliary Outputs	
Current	8 x 140mA (Max) Sink
Dimensions	
Dimensions (L x W x H)	78 x 90 x 60mm (3.07 x 3.54 x 2.36")
Weight	177g (6.21oz)
Temperature	
Operating	0˚-50˚C (32˚ - 122˚F)
Storage	-10˚- 85˚C (14˚ - 185˚F)
Humidity	0%-93% non-condensing, indoor use only (relative humidity)

*The Total Supply Current is the current that will be drawn from an external power supply for the Reader Expander and any devices connected to the Expanders outputs. Expander output current limited by internal fuses.

It is important that the unit is installed in a dry cool location that is not affected by humidity. Do not locate the unit in air conditioning or a boiler room that can exceed the temperature or humidity specifications.

Ordering Information

SP-F2F8	Security Expert Security Purpose F/2F Expansion

Regulatory Notices

Federal Communications Commission (FCC)

FCC Rules and Regulations CFR 47, Part 15, Class A.

This equipment complies with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; (2) This device must accept any interference received, including interference that may cause undesired operation.

Industry Canada

ICES-003

This is a Class A digital device that meets all requirements of the Canadian Interference-Causing Equipment Regulations.

CAN ICES-3 (A)/NMB-3(A)

RCM (Australian Communications and Media Authority (ACMA))

This equipment carries the RCM label and complies with EMC and radio communications regulations of the Australian Communications and Media Authority (ACMA) governing the Australian and New Zealand (AS/NZS) communities.

CE – Compliance with European Union (EU)

Conforms to European Union (EU) Low Voltage Directive (LVD) 2014/35/EU, Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU and RoHS Recast (RoHS2) Directive: 2011/65/EU.

This equipment complies with the rules of the Official Journal of the European Union for governing the Self Declaration of the CE Marking for the European Union as specified in the above directive(s).