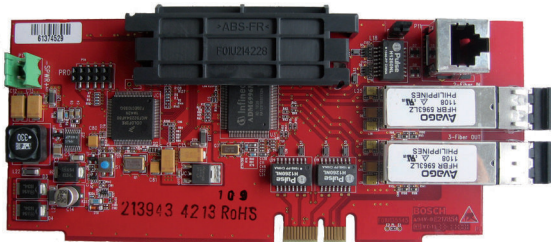


FPE-1000-NF Networking Card 1-Ethernet 2-Fiber Optic

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Invented for life



- ▶ Provides media type change through RJ45 and fiber optic connections
- ▶ Provides one Ethernet port using CAT 5 or better cable
- ▶ Uses simple plug-in connection to the FPA-1000-V2
- ▶ Connects as either Class A or Class B
- ▶ Provides second power input port for normal network operation during maintenance

The FPE-1000-NF Fiber Optic Networking Card provides two fiber optic ports for in/out peer-to-peer communication and one additional Ethernet port for communication with the Ethernet and wired cards, for IP reporting, or for browser-based panel/network programming.

Functions

Auxiliary Power

The networking card typically receives power from the FPA-1000-V2 mainboard. The networking card can, however, be powered by an auxiliary power supply (nominal 24 VDC with 2-pin connector). When both power sources are connected to the networking card, only one source supplies power to the card without interference by or with the other supply. This allows the network to continue to function when maintenance requires the networking card be disconnected from the mainboard.

Certifications and approvals

Region	Certification
USA	UL FSZI: Emergency Alarm System Control Units (ANSI/UL 2017) and UOJZ: Control Units, System (ANSI/UL 864)
	CSFM see our website
	FDNY-CoA #6101

Installation/configuration notes

Mounting

Mount the networking card along the bottom of the keypad on the mainboard. Copper leads on the networking card slide into terminals on the mainboard and a the mounting bracket on the networking card snaps into place onto the keypad base.

Connections

All Ethernet connections are made with a minimum of CAT 5 cable at a maximum length of 328 ft (100 m). Fiber optic connections are made with multi-mode fiber optic cable (62.5 µm/125 µm fiber size; 1270 nm

to 1380 nm wavelength) with LC connectors at a maximum length of 6560 ft (2000 m or a 10 db loss, whichever occurs first).

Parts included

Quant.	Component
1	Networking card with attached mounting bracket
2	Literature: <ul style="list-style-type: none"> • Networking Cards Installation Guide • Networking Quick Installation Guide

Technical specifications

Electrical

Current:	170 mA maximum
Voltage (supplied from FPA-1000 Mainboard and/or auxiliary power supply with 2-pin connector):	Nominal: 24 VDC Range: 20 VDC to 28 VDC

Environmental

Environment:	Indoor, dry
Relative Humidity:	Up to 95%, non-condensing
Temperature (operating):	+32°F to +120°F (0°C to +49°C)

Mechanical

Ethernet connection	
• Connector Type:	CAT 5 cable minimum
• Circuit Distance:	328 ft (100 m) maximum
Fiber optic connection	
• Connector Type:	Multi-mode fiber optic with LC connector; 62.5 µm/125 µm fiber size; 1270 nm to 1380 nm wavelength
• Circuit Distance:	6560 ft (2000 m) or 10 db loss maximum

Ordering information

FPE-1000-NF Networking Card 1-Ethernet 2-Fiber Optic

Fiber Optic Networking Card for peer-to-peer communication in an FPA-1000 networked system

Order number **FPE-1000-NF**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com