

PRA-EC1P1S Ethernet converter, 1xRJ45, 1xSFP

PRAESENSA



- ▶ 10/100/1000 Mbps miniature media converter
- ▶ One Gigabit copper port
- ▶ One SFP socket for glass fiber transceiver
- ▶ PoE-PD receives power from external power supply
- ▶ Metal enclosure with compact size

The PRA-EC1P1S is a miniature media converter with one Gigabit copper port and one SFP socket for glass fiber transceivers. It is PoE-PD powered through the Gigabit copper port from an external source, such as the PRA-MPS3, which removes the need for separate power suppliers.

The media converter is a version of the IMC-370I-C by Advantech for use in Public Address and Voice Alarm systems.

The PRA-EC1P1S is certified for EN 54-16 in combination with PRAESENSA systems when powered by an EN 54-4 compliant power source. It is a useful addition to the existing IP-network components of PRAESENSA, and especially convenient on locations where an additional SFP port is needed for long distance interconnections on glass fiber.

Functions

Intended for PA/VA systems

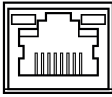

- Miniature media converter designed for long-term continuous operation.
- Plug-and-play operation.
- Certified for EN 54-16 in combination with PRAESENSA systems.

Advanced features

- One Gigabit copper port with PoE-PD receives DC power, which removes the need for separate power suppliers.
- One SFP port for the single mode PRA-SFPLX or for the multimode PRA-SFPSX fiber transceiver modules.

- Supports operation in combination with OMNEO, Dante and AES67.
- Supports Link Fault Pass Trough (LFPT) for both local and remote media converters when used in pairs. When enabled, a link fault passes through the device at each segment. If a link fails on one interface, the media converter forces the link down on its link partner and forward to the next interface.

Front panel connections

Port 1	Network port with PoE	
Port 2	SFP socket	

Rear panel connections

Power	5 VDC
DC Terminal block	7 VDC - 50 VDC

Architects' and engineers' specifications

The Ethernet media converter shall have one Gigabit copper port and one port providing an SFP socket for glass fiber transceivers. The media converter shall be powered from an external PoE supply. It shall be in a compact metal housing for DIN-rail mounting. The media converter shall be certified for EN 54-16 in combination with PRAESENSA systems for public address and voice alarm purposes. The device shall be marked for UL and CE, and

be compliant with the RoHS directive. Warranty shall be three years minimum. The media converter shall be a Bosch PRA-EC1P1S.

Regulatory information

Emergency standard certifications

Europe	EN 54-16 (0560-CPR-182190000)
International	ISO 7240-16

Regulatory areas

Safety	EN 62368-1 UL 62368-1
Emissions	EN 55032 class B EN 55035 EN IEC 61000-6-4 EN IEC 61000-6-2 FCC-47 part 15B class A ICES-003
Environmental	EN IEC 63000

Installation/configuration notes

This is a professional product that should be installed, used and maintained by trained professionals only.

Parts included

Quantity	Component
1	PRA-EC1P1S Ethernet converter, 1xRJ45, 1xSFP
1	DIN-rail mounting adapter

Technical specifications

Electrical

Power transfer

Power over Ethernet (PD)	PoE IEEE 802.3af
Input voltage (VDC) - DC Terminal block	7 VDC – 50 VDC
Input voltage (VDC) - DC Jack	5 VDC
Power consumption (W), full load	4 W

Network interface

Ethernet type	100BASE-TX; 1000BASE-T
---------------	------------------------

Number of RJ45 ports	1
Number of SFP ports	1

Reliability

Mean time between failures (MTBF) (h)	109243 h
---------------------------------------	----------

Environmental

Operating temperature (°C)	-25 °C – 75 °C
Operating temperature (°F)	-13 °F – 167 °F
Storage temperature (°C)	-40 °C – 85 °C
Storage temperature (°F)	-40 °F – 185 °F
Operating relative humidity, non-condensing (%)	10% – 95%

Mechanical

Dimensions (H x W x D) (mm)	21 mm x 46 mm x 85 mm
Dimensions (H x W x D) (in)	0.8 in x 1.8 in x 3.4 in
Mounting type	Wall-mounted
IP rating	IP30
Weight (kg)	0.30 kg
Weight (lb)	0.70 lb

Ordering information

PRA-EC1P1S Ethernet converter, 1xRJ45, 1xSFP
Miniature media converter.
Order number **PRA-EC1P1S | F.01U.433.008**



<https://www.keenfinity-group.com>