



MC252-4P-1S

4-Port Ethernet PoE-at switch to SFP Industrial Media Converter

Overview

IFS Ethernet to SFP Industrial Media Converters offer four 10/100Mbps Ethernet ports and 100Base-FX transmission on either multi-mode or single mode optical utilizing SFP technology. Specifically designed for stable and reliable operation in electrically harsh and climatically demanding environments, the module's slim, IP-30 standard metal case accommodates DIN-rail or wall mounting for efficient installation in multiple applications.

These converters are engineered with a high-performance switch architecture capable of providing a non-blocking switch fabric and wire-speed throughput as high as 1Gbps or 1.2Gbps. With the 2K MAC address table, these media converters offer wire-speed packet transfer performance without the risk of packet loss. The Flow Control function allows these modules to deliver fast and reliable data transfer. The MC252-4P-1S model provides full IEEE802.3-at (30w) on each individual 4 ports.

Providing extended distance Ethernet transmission, these units are well suited for remotely deployed edge devices such as IP cameras, access control, VoIP and wireless access points.

Details

- 4 RJ-45 Ports 10/100Base-TX w/PoE
- 1 SFP Port
- Store-and-Forward switching architecture with wire-speed filtering and forwarding rates
- Up to 4 IEEE 802.3at devices powered
- Complies with IEEE 802.3at Power over Ethernet End-Span PSE
- PoE Power Meter
- Circuit protection prevents power interference between ports
- Robust Hardened Design
- Provides either DIN-rail or wall-mounting
- 24 ~ 48VDC or 24VAC Operation
- Redundant power with reverse-polarity protection
- Alarm relay output for power-failure alert
- Wide operating temperature range of -40°C ~ +75°C

MC252-4P-1S

4-Port Ethernet PoE-at switch to SFP Industrial Media Converter

Technical specifications

General

Type	Ethernet to SFP
Managed	No
Switch throughput (Mpps)	0.744
Mac table	2 K
Drop and repeat	No
Fault relay output	Yes
Compatible with MCR rack	No

Connections

No. of ports	4
Port speed	Fast
Port type	10/100
Fiber port	1
Fiber port type	SFP
Fiber port speed	100Base FX/LX/BX
Supported SFPs	S20/S25 series
Fiber distance	SFP dependant
Fiber connector	LC
Wavelength	SFP dependant

Physical

Physical dimensions	56 x 87 x 135 mm
Net weight	842 g
Switch fabric	1Gbps / non-blocking
Mounting type	DIN-rail, Wall mount

Environmental

Operating temperature	-40 to +75°C
IP rating	IP30

Electrical

Power supply type	24 to 48 VDC
Power consumption	77 W (Max)
PoE	Yes
PoE/PoE+	4 ports PoE (802.3at)
Redundant power	Yes

Standards & regulation

Compliance	CE, REACH, RoHS 2, WEEE
------------	-------------------------

LED Indicators

Power:	Power input 1 – Green; Power input 2 – Green
Power Fault:	Proper Operation – Off; Fault –Green
RJ-45 (10/100Mbps):	100Mbps Activity – Green; 10Mbps Activity – Off
Fiber (100Base-FX):	Connected to network – Green
Optical Link:	Link established – Steady Green; TX/RX Activity – blinking green
PoE:	PoE in use – Amber -

Standards Compliance

IEEE Standards:	IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX /100Base-FX; IEEE 802.3x Flow Control and Back pressure IEEE802.3-af PoE (15.4w) – MC251-4P/1S only
IEC Standards:	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
EIA/TIA-568 Standards:	2-Pair UTP Cat. 3, 4, 5 (100meters, max.) EIA/TIA-568 100-ohm STP (100meters, max.)

Accessories

SFP:	S20 Series
SFP:	S25 Series (wide-temp)
PS48VDC240W-EU:	100-240V AC Input 48V DC 5A Output Power Supply Hardened Brick model with EU plug
PS48VDC240W-UK:	100-240V AC Input 48V DC 5A Output Power Supply Hardened Brick model with UK plug



As a company of innovation, Carrier Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 23 July 2021 - 10:55