

# MC251-4P/1S

## 4-Port Ethernet 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 MC251-4P/1S model provides full IEEE802.3-af (15.4w) on each individual 4 ports, while the MC250-4T/2S model is a non-PoE unit designed for drop-and-repeat applications.

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
- Auto MDI/MDI-X
- Auto-negotiation
- 1 SFP Port (MC251-4P/1S)
- Store-and-Forward switching architecture with wire-speed filtering and forwarding rates
- Prevents packet loss with back pressure (half-duplex) and IEEE 802.3x PAUSE frame-flow control (full-duplex)
- Up to 4 IEEE 802.3af devices powered
- Complies with IEEE 802.3af Power over Ethernet End-Span PSE
- Supports up to 15.4 watts for each PoE port
- Auto detect powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 328 ft. (100m)
- Robust Hardened Design
- Provides either DIN-rail or wall-mounting
- 24 ~ 48VDC or 24VAC Operation (MC251-4P/1S)
- Redundant power with reverse-polarity protection
- Alarm relay output for power-failure alert
- Voltage/surge-suppression
- Complies with IEC60068-2-xx standards for free-fall, shock and vibration
- Wide operating temperature range of -40°C ~ +75°C

# MC251-4P/1S

## 4-Port Ethernet to SFP Industrial Media Converter

### Technical specifications

#### General

Category	Industrial
Type	Ethernet to SFP
Switch throughput (Mpps)	0.744
Mac table	2 K
Fault relay output	Yes

#### 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

#### Electrical

Power supply type	24 to 48 VDC, 24 VAC
Power consumption	77 W
PoE	Yes
PoE / PoE+	4 ports PoE (802.3af)

#### Physical

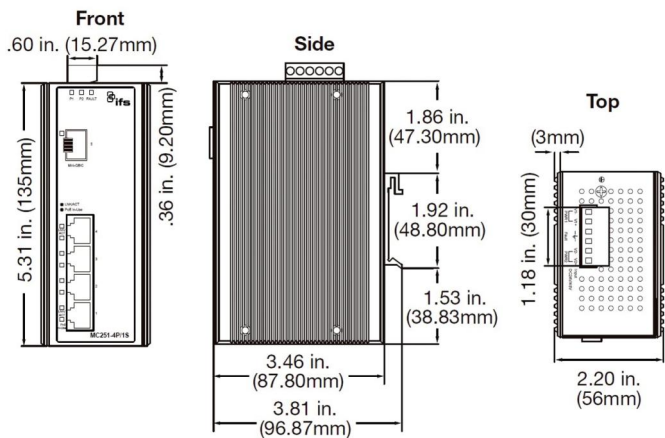
Physical dimensions	56 x 87 x 135 mm
Net weight	842 g
Switch fabric	1 Gbps
Mounting type	DIN-rail, Wall mount

#### Environmental

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

#### Compatible products

Category	Reference	Description
Power Supplies	PS48VDC240W-DIN	



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](https://firesecurityproducts.com) online or contact your sales representative.