

DATASHEET

MC250-4T/2S

4-Port Ethernet to SFP Industrial Media Converter

MAIN FEATURES

- 4-Port Ethernet to SFP Industrial Media Converter



TECHNICAL SPECIFICATIONS

Power supply

Power supply type	12 to 48 VDC
Power consumption	16 W max. (Full load)
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 48 VDC, 350 mA. Max. 15.4 W
Power Pin Assignment	1/2(+), 3/6(-)
Power	Power input 1 – Green
Power Fault	Proper Operation – Off
Power and Alarm Fault Connector	6-pin removable screw terminal

Inputs / outputs

Fault relay output	Yes
Alarm Fault Relay	Provides one relay output for power failure notification

Physical characteristics

Physical dimensions	32 x 87 x 135 mm (W x D x H) 1.26 x 3.46 x 5.31 in
Net weight	442 g 0.97 lbs
Mounting type	DIN-rail, Wall mount
Maximum Frame Size	1522 Bytes packet
Mounting	DIN-rail kit and wall-mount ears

Environmental characteristics

Operating temperature	-40 to +75°C
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TECHNICAL SPECIFICATIONS

Storage temperature	-40 to 85°C
Relative humidity	0 to 90% noncondensing
IP rating	IP30

Other characteristics

Category	Industrial
Type	Ethernet to SFP
Switch throughput (Mpps)	0.892
Mac table	2 K
Drop and repeat	Yes
No. of ports	4
Port speed	Fast
Port type	10/100
Fiber port	2
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
PoE	No
Switch fabric	1.2 Gbps
MTBF	>100, 000 h @ 25°C
10/100Base-TX Connectors	RJ-45 (4)
Port Configuration	Auto MDI/MDI-X
Electro Static Discharge (ESD) Protection	6 kVDC
Data Rate	100 Base-FX/BX/LX
# of SFP Ports	2
Optical Fiber Type	Varies by SFP
Optical Distance	Varies by SFP
PoE Standard	IEEE 802.3af Power over Ethernet / PSE
Switch Architecture	Store-and-Forward
Throughput (Packet per second)	0.892 Mpps @ 64bytes
Address Table	2 K entries
Shared Data Buffer	1 Mbit on-chip frame buffer
Flow Control	Back pressure for Half-Duplex, IEEE 802.3x PAUSE Frame for Full-Duplex
RJ-45 (10/100Mbps)	100 Mbps Activity – Green
Fiber (100Base-FX)	Connected to network – Green

MC250-4T/2S

TECHNICAL SPECIFICATIONS

Optical Link

PoE (MC251-4P/1S only)

Electrical Fast Transient (EFT) Protection

Enclosure

IEEE Standards

IEC Standards

EIA/TIA-568 Standards

Regulation

SFP

Link established – Steady Green

PoE in use – Amber -

6 kVDC

IP-30 slim-type metal enclosure

IEEE 802.3 10Base-T

IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)

2-Pair UTP Cat. 3, 4, 5 (100meters, max.) EIA/TIA-568 100-ohm STP (100meters, max.)

FCC Part 15 Class A, CE

S20 Series