



MC201-1P/1FS

1-Port 10/100Base-Tx IEEE802.3af Copper + 1-Port 100Base-FX (15Km) Single-Mode Fiber Unmanaged Media Converter (SC connector) (1x 15,4W PoE Budget) (0~50°C) - Power 48V DC

OVERVIEW

The IFS Fiber to Ethernet Media Converters with PoE Injectors provide a cost-effective solution for deploying remote PoE powered edge devices with optical fiber.

Ethernet data can be transmitted up to 15km to a remote location depending on model and optic fiber used. At the remote location, the module can be installed near a power source and injects 48VDC PoE power to transmit simultaneously with the Ethernet data over Category network cable for the last 100 meters to the remote PoE edge device.

In addition, these modules utilize a high performance Store-and-Forward architecture with IEEE 802.3x Flow Control (Full-Duplex) preventing packet loss. With the LFP (Link Fault Pass-through) function (LLCF/LLR) enabled, the module also provides an efficient method of alerting network administrators of any link problems.

These modules are an inexpensive and efficient way to eliminate extra AC wiring and reduce the need for dedicated electrical outlets in walls, ceilings or any unreachable place, providing optimized power management for IP-based surveillance cameras, wireless access points (WAP) or any remote network edge device application.



Dettagli

- 10/100Base-TX
- Complies with IEEE 802.3, IEEE 802.3u
- Auto-negotiation and MDI/MDI-X
- Store-and-Forward architecture
- Supports maximum frame size to 1600bytes
- IEEE 802.3x full-duplex flow control, back pressure in half-duplex to eliminate packet loss
- Protects non-PoE devices if accidentally connected
- 100Base-FX Fiber
- Multi-mode or single mode versions
- Distances up to 15km
- Plug-and-play installation
- Auto Loop Back Test function
- LED indicators offer simple network diagnosis
- Link Fault Pass through function for remote alarm notification

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Specifiche tecniche

Generale

Categoria	Commerciale
Tipo	Da Ethernet a SFP

Connessioni

No. di porte	1
Velocità porta	Veloce
Tipo porta	10/100
Porta fibra	1
Tipo porta fibra	Modo Singolo
Velocità porta fibra	100Base FX
Distanza fibra	15 km
Connettore fibra	SC
Lunghezza d'onda	1310 nm

Elettrico

Tipo di alimentatore	48 VDC
Valore di alimentazione	48 VDC @ 0.38 A
Consumo di energia	20 W
PoE	Si
PoE / PoE+	1 port PoE (802.3af)

Fisico

Dimensioni fisiche	97 x 70 x 26 mm
Peso netto	200 g
Materiale	Metallo
Tipo di montaggio	Montaggio a parete

Ambientale

Temperatura operativa	0 to +50°C
Temperatura di immagazzinamento	-20 to +70°C
Umidità relativa	0 to 90% noncondensing

Ethernet

Data Rate	10/100Base-TX with Auto-negotiate (IEEE 802.3 / 802.3u)
Throughput (packet per second)	148810 pps @ 64 Bytes
Switch Architecture	Store-and-Forward
Flow Control	Back pressure for Half-Duplex mode Pause from for Full-Duplex mode (IEEE 802.3x)
Connector	RJ-45 with Auto-MDI/MDI-X and PoE injector function
Cable Type and Distance	10Base-T (Cat 3, 4, 5e) or 100Base-TX (Cat 5e) – 328 ft (100 m)

Fiber

Data Rate	100Base-FX
Connector	SC
Fiber Type	Single mode (9/125 μm)
Distance	Up to 15 km

Optics

Launch Power (dBm)	Max. -7; Min.-20
Receive Sensitivity	-28
Maximum Input Power	-28

Power over Ethernet (PoE) Injector

PoE Standard	IEEE 802.3af
Power PIN Assignment	(+) Pins 1 & 2; (-) Pins 3 & 6
Power Output (Max. 1 PoE Device)	PoE 48 VDC, Max. 15.4 W, 350 mA

LED Indicators

Power/Status	On - Green
10/100Base-T Link	Data Activity - Green
100Base-FX Link	Data Activity - Green
PoE in Use	Detection of PSE Device - Green

LFP Mode Switch

On	If either TX or FX port is faulty, disable other port
Off	Active link LED will still operate if other port is faulty

