

IMC101P

Fast Industrial PoE Media Converters



Product Description:

The IMC101P series Din-Rail 100M Industrial PoE Media Converters enable seamless integration of Power over Ethernet (PoE) devices into remote network locations where distance exceeds copper cable limitations.

Compliant with IEEE 802.3af and IEEE 802.3at standards, the series delivers full-featured PoE support—including PD discovery, classification, signature sensing, power monitoring, current limiting, and automatic power-cutoff detection. Built-in safety mechanisms such as short-circuit protection ensure reliable and secure operation.

As one of the most comprehensive Fast Ethernet media converter portfolios available, the IMC101P series is organized into four main technology categories:

- UTP to Multi-Mode Fiber
- UTP to Single-Mode Fiber
- UTP to WDM Fiber
- UTP to SFP (with modular slot)

Models support flexible conversion between RJ-45 copper ports and various fiber interfaces—including SC, LC, and SFP—maintaining complete data integrity and immunity to electromagnetic interference through fiber optic connectivity.

Housed in a compact, rugged IP40-rated aluminum enclosure, the series is engineered for harsh industrial environments and guarantees stable operation across an extended temperature range of -40° C to 75° C.

Product Features:

- Full IEEE802.3af, IEEE802.3at Compliant
- Up to 30W of Power on 2-pairs
- Auto-detect and power IEEE802.3af, IEEE802.3at PD
- Support PD Signature Sensing, Power monitoring and Current Protection
- Operating Data Rate up to 100Mbps
- Ethernet RJ45 to multi-mode fiber
- Ethernet RJ45 to single-mode fiber
- Ethernet RJ45 to WDM fiber

- Ethernet RJ45 to SFP
- DIP switches for configuration
- Support LFP (Link Fault Pass through)
- Fiber range - up to 120 kilometers
- Support 3 pin connector
- LED indicators .
- Easy plug-and-play installation.
- IP40 Aluminum case
- CE class A, LVD, FCC, ROHS 2.0

Product Specifications:

Description	
Type	UTP to Multi-mode/Single-mode/WDM/SFP
Connector Types	UTP: RJ45 Fiber: SC/ST/LC
Speed	UTP: 10/100Mbps Fiber: 100Mbps
Max Range	UTP: 100m Fiber: 550m/20km/40km/60km/80km/100km/120km
Duplex	UTP/Fiber: Full/Half
Flow Control	Full Duplex: 802.3x Half Duplex: Backpressure
Wavelength	850nm/1310nm/1550nm
LED Indicators	Unit: Power, PoE UTP: Link/Act, Speed Fiber: Link/Act, FDX/COL
Regulatory Compliance	IEEE802.3af (PoE) IEEE802.3at (PoE+)
PoE Output	Pin Assignment and Polarity: 3/6 (+), 1/2 (-) User Port Power: 30W
Dimensions	103*75*32mm
Weight	1kg
Input voltage	44~57VDC
Ambient Temperature	-40~75℃
Storage Temperature	-45~85℃
Relative Humidity	5%~95% (non-condensing)
Mounting	DIN Rail
Case	IP40
Package List	
Industrial PoE Media Converter	1pcs
User Manual	1pcs
Warranty Card	1pcs

Order Information:

Models	
IMC101P-M-SC	10/100Base-TX to 100Base-FX Multimode Fiber 850nm (SC) Industrial PoE Media Converter with LFP. 550m
IMC101P-M-ST	10/100Base-TX to 100Base-FX Multimode Fiber 850nm (ST) Industrial PoE Media Converter with LFP. 550m
IMC101P-S-SC-20	10/100Base-TX to 100Base-FX Single Mode Fiber 1310nm (SC) Industrial PoE Media Converter with LFP. 20Km
IMC101P-S-SC-60	10/100Base-TX to 100Base-FX Single Mode Fiber 1550nm (SC) Industrial PoE Media Converter with LFP. 60Km
IMC101P-W-SC-20-A	10/100Base-TX to 100Base-FX WDM Fiber TX:1310nm RX:1550 (SC) Industrial PoE Media Converter with LFP. 20Km
IMC101P-W-SC-20-B	10/100Base-TX to 100Base-FX WDM Fiber TX:1550nm RX:1310 (SC) Industrial PoE Media Converter with LFP. 20Km
IMC101P-SFP	10/100Base-T to SFP (Gigabit) Industrial PoE Media Converter