GF-IMC-RJ45-SFP

Industrial Media Converter -40 to 75C | 1 x Gigabit RJ45 + 1 x 1G SFP

Product overview

Unmanaged industrial copper-to-fiber converter for factory automation, transport and outdoor networks. Fanless aluminum design with plug-and-play operation, reverse-polarity protection and industrial shock/vibration/free-fall resistance.

Technical specifications

Parameter	Specification
Copper port	1 x 10/100/1000BASE-TX RJ45 Auto-MDI/MDI-X (Port 1)
Fiber port	1 x 1000BASE-X SFP (Port 2)
Duplex / negotiation	10/100 or 10/100/1000 Mbps, full/half duplex, auto-negotiation
PoE support stated	IEEE 802.3af/at/bt; non-PoE device protection
Enclosure	IP40 aluminum; fanless
Installation	DIN rail / wall mount
Dimensions	120 x 90 x 35 mm
Weight	370 g bare; 470 g packaged
Surge protection	DC ±6 kV; RJ45 ±4 kV
Switching	Store-and-forward; 14 Gbps non-blocking
Forward filter rates	14,880 / 148,800 / 1,488,000 pps at 10 / 100 / 1000 Mbps
Packet buffer / max. packet	512 Kbits / 9K bytes
MAC table	2K; automatic learning and aging
Power inputs	Dual redundant 9-56 V DC
Terminal block	Removable 6-contact; pins 1/2 input 1, pins 3/4 input 2, pins 5/6 fault alarm as required
Power protection	Reverse polarity
Operating temperature	-40 to +75 °C (overview/environment); -40 to +75 °C (features)
Storage temperature	-40 to +85 °C
Humidity	5-95%, non-condensing
Heat dissipation	7 BTU/h non-PoE; 218 BTU/h with 30 W PoE load; 314 BTU/h with 90 W PoE load
Cooling	Passive
MTBF	>500,000 hours @ MIL-HDBK-217F GF 25? (as stated)

Ordering: GF-IMC-RJ45-SFP