GF-IMCM-1G-RJ45-SFP

Industrial Mini Media Converter -30 to 75C | Gigabit RJ45 to SFP

Product overview

Compact plug-and-play industrial media converter for confined spaces, camera poles, roadside cabinets and industrial network extensions. Aluminum IP40 enclosure with passive cooling and desktop or wall mounting.

Technical specifications

Parameter	Specification
Copper port	1 x 10/100/1000Base-T RJ45
Fiber port	1 x 1000Base-X SFP
Port mode	Auto-negotiation; full/half duplex; Auto-MDI/MDI-X
Standards	IEEE 802.3u, 802.3z, 802.3ab
Fiber options, feature list	Multi-rate 100Mb/Gigabit; MM/SM; single/dual fiber; up to 120 km
Optical connector options	SC/ST/LC, depending on optics
Maximum packet length	10K
Forward filter rates	14,880 / 148,800 / 1,488,000 pps at 10 / 100 / 1000 Mbps
Transmission	Store-and-forward; full/half duplex
DIP switch	Configuration including LFP
Optical distance, specification	0-160 km, depending on optical module
Copper distance, source notation	100m, standard CAT5/CAT5e
Input power	9-56 V DC; 0.5/0.25 A
Power consumption	2.4 W maximum; 0.2 A at 12 V DC
Housing / protection	Aluminum / IP40
Dimensions	36.2 x 117 x 24.5 mm
Weight	100 g bare; 250 g packaged
Installation	Desktop / wall mount
Operating temperature	-30 to +75 °C
Storage temperature	-30 to +85 °C
Humidity	5-90%, non-condensing
MTBF	>500,000 hours @ MIL-HDBK-217F GF 25 °C
Heat dissipation	7 BTU/h
Cooling / noise	Passive / 0 dBA