GF-IMC-2RJ45-SFP

Industrial Media Converter -20 to 70C | 2 x 10/100 RJ45 + 1 x 100Base SFP

Product overview

Compact industrial media converter for CCTV, roadside cabinets and industrial networking. Supports DIN-rail or wall mounting, optional magnetic mounting and automatic negotiation.

Technical specifications

Parameter	Specification
Source model reference	FR-6N1102
Copper ports	2 x 10/100BASE-TX RJ45 Auto-MDI/MDI-X; source labels Port 1
Fiber port	1 x 100BASE-X SFP or 1x9 optical; source labels Port 2
Fiber options	Single/multimode; single/dual fiber; up to 120 km depending on optics
Auto-negotiation	IEEE 802.3u
Housing	IP40 aluminum
Dimensions	120 x 90 x 35 mm
Weight	370 g bare; 470 g packaged
Mounting	DIN rail / wall; optional magnetic mount
Surge protection	DC ±4 kV; RJ45 ±2 kV
Architecture / fabric	Store-and-forward; 1.8 Gbps non-blocking
Forward filter rates	14,880 pps at 10 Mbps; 148,800 pps at 100 Mbps
Packet buffer / max. packet	1 Mbit / 1536 bytes
MAC table	2K; automatic learning and aging
Flow control	802.3x pause (full duplex); back-pressure (half duplex)

GF-IMC-2RJ45-SFP

Technical specifications - continued

Parameter	Specification
Power inputs	2
Power connector	Removable 5-contact terminal block; pins 1/2 input 1, pins 4/5 input 2
Operating voltage	9-56 V DC
Power consumption	4 W maximum
Power protection	Reverse polarity; overload current
Operating / storage temperature	-20 to +70 °C / -40 to +85 °C
Humidity	5-90%, non-condensing
Heat dissipation	7 BTU/h
Cooling	Passive
MTBF	>500,000 hours @ MIL-HDBK-217F GF 25? (as stated)
Standards	IEEE 802.3, 802.3u, 802.3x, 802.3az
Manufacturing	ISO-9001 facility
Safety	IEC 62368-1:2020+A11:2020
EMI	FCC Part 15B Class A; IEC 61000-3-2
ESD	IEC 61000-4-2: contact ±8 kV; air ±15 kV
Surge standard	IEC 61000-4-5: power ±4 kV; RJ45 ±2 kV

Ordering: GF-IMC-2RJ45-SFP