GF-IMC-2RJ45-SFP-1G

Industrial Media Converter -40 to 75C | 2 x Gigabit RJ45 + 1 x 1G SFP

Product overview

Unmanaged industrial Gigabit fiber converter for machine vision, production lines and real-time data logging. Plug-and-play copper-to-fiber connectivity supports single-mode links up to 120 km depending on optics.

Technical specifications

Parameter	Specification
Source model reference	FR-7N3102
Copper ports	2 x 10/100/1000BASE-TX RJ45 Auto-MDI/MDI-X (ports 1-2)
Fiber port	1 x 1000BASE-X SFP (product description); source hardware line says x1000BASE-X (Port 2)
Fiber standard, overview	1000Base-FX/LX (as stated)
Housing	IP40 aluminum
Installation	DIN rail / wall mount
Dimensions	120 x 90 x 35 mm
Weight	400 g bare; 500 g packaged
Surge protection, both source entries	DC ±6 kV / RJ45 ±4 kV; DC ±6 kV / RJ45 ±6 kV
Architecture / fabric	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	2
Power connector	Removable 6-contact terminal block
Pin assignment	1/2 input 1; 3/4 input 2; 5/6 fault alarm as required
Operating voltage	9-56 V DC
Power consumption	5 W maximum without PoE load
Protection	Reverse polarity; overload current
Operating / storage temperature	-40 to +75 °C / -40 to +85 °C
Humidity	5-95%, non-condensing
Cooling	Passive
MTBF	>500,000 hours @ Telcordia SR-332 GF 30 °C

Ordering: GF-IMC-2RJ45-SFP-1G