

SICO-2P-1T1F

SICO Media Converter, 1×GB SFP-Port + 1×GB RJ45-Port

Features

- 1 Gigabit copper port and 1 Gigabit fiber port
- Copper ports support 10/100/1000 Mbit/s with auto-negotiation; all ports support MDI/MDI-X
- Input voltage range: 9–48 V DC, dual redundant power supply
- Industrial EMC Level 4
- IP40 aluminum housing with rugged, shock-resistant DIN-rail mounting bracket
- Suitable for operation at ambient temperatures from -40 °C to +85 °C



Description

The SICO-2P-1T1F is an industrial Gigabit Ethernet media converter for demanding applications such as intelligent transportation systems, smart cities, renewable energy, and industrial automation. With one Gigabit copper port and one Gigabit fiber port, it enables reliable, high-performance data transmission.

The rugged IP40 aluminum housing, vibration-resistant DIN-rail mounting, and high electromagnetic compatibility (EMC) ensure reliable operation even under harsh environmental conditions. Thanks to its extended temperature range of -40 °C to +85 °C, the device is ideally suited for use in harsh industrial environments.

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Technical Data

Parameter	Value
Applicable Standards	IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT, IEEE 802.3z 1000BaseFX, IEEE 802.3ab 1000BaseT
Backplane Bandwidth	4 Gbit/s
MAC Address Table	2K
Fiber Port	1000 Mbit/s
Copper Port	10/100/1000 Mbit/s, auto-negotiating, full-/half-duplex mode, MDI/MDI-X supported
LED Indicators	PWR , L/A
Housing	Aluminum housing, IP40
Dimensions	116 x 85 x 33 mm
Weight	390g
Mounting	DIN rail
Operating Temperature	-40 to +85 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	5–95% (non-condensing)
EMS	IEC 61000-4-2 (ESD) Level 4, IEC 61000-4-4 (EFT) Level 4, IEC 61000-4-5 (Surge) Level 4
Vibration Resistance	IEC 60068-2-6
Shock Resistance	IEC 60068-2-27
Free Fall	IEC 60068-2-32
MTBF	500,000 h
Input Voltage	DC 9–48 V (redundant)
Power Consumption at Full Load	2W
Input Current	Max. DC, 400mA

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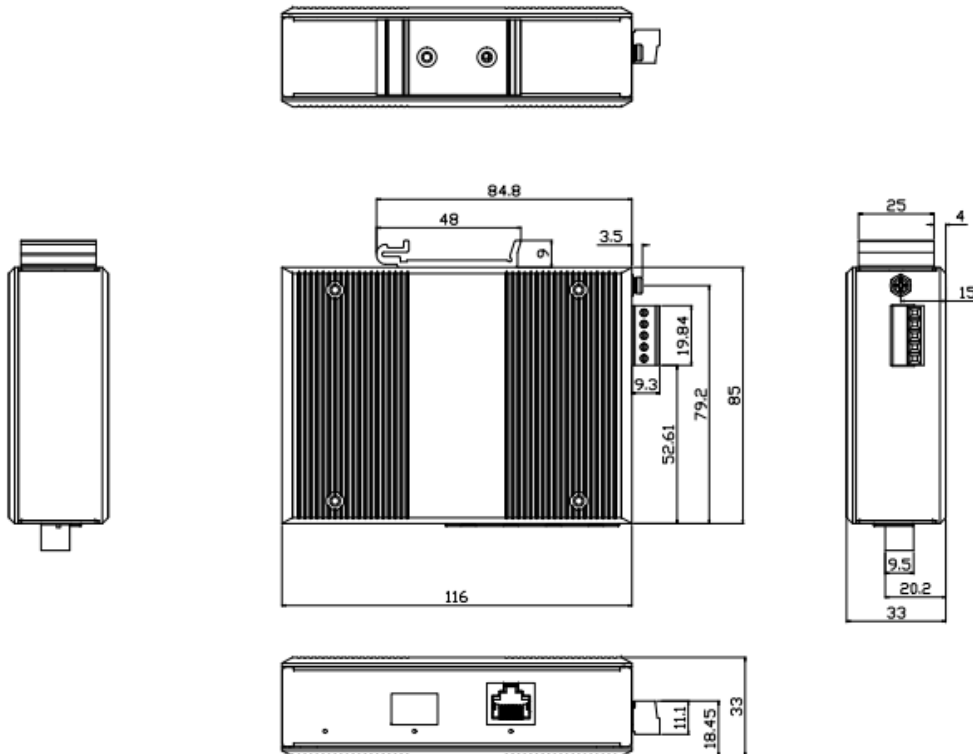
Technical Data

Parameter	Value
Warranty	5 years

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Dimensions (mm):



Description	Multimode	Single-mode
Wavelength	850 nm	1310 / 1550 nm
Maximum	-3 dBm	0 dBm
Minimum	-8 dBm	-10 dBm
Receiver Sensitivity	-19 dBm	-22 dBm
Maximum Link Budget	11 dB	12 dB
Distance	550 m	20 km
Saturation	-3 dBm	-3 dBm

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Contents:

- Switch
- Mounting Accessories
- User Manual
- Warranty & Declaration of Conformity