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Connecting. Converting. Leading !

Industrial grade Fiber to Ethernet Media Converter. Model SC12FE2I TD



SC12FE2I is a **Industrial grade** Dual 10/100Base-TX ports to 100Base-FX unmanaged standalone media converter. It enables you to mix legacy twisted-pair to a fiber-optic backbone and optimize total cost of ownership allowing trouble free & robust process of Data conversion. Both Multi-mode and Single mode Fiber options are available. With Auto-Negotiation function, these units will automatically tailor themselves to convert both Half or Full duplex Ethernet signals, depending on your specific network needs

Features

- Auto Negotiation in TP port
- Auto Crossover for MDI/MDIX in TP port
- Store and forward Switching mechanism
- Flow Control on Full Duplex
- Back Pressure on Half Duplex
- Full or Half-Duplex on both copper and fiber
- Backplane 12.8G

Specifications

Ports : 2 * Ethernet & 1 * Fiber
Standard : IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards
: IEEE 802.3x Flow Control & Back Pressure
Throughput : 148810pps
MAC Address : 2K

Fiber Cable : MM : 50/62.5-125, SM : 9/125 (μm)
Wavelength : 1310nm for MM and 1310nm, 1550nm for SM
Connector : SC, ST, FC
Distance : MM : 0 to 2 Km, SM : 0 to 20 Km. Optionally higher distances are also available
Fiber data : Multi-mode : 155Mbps, 1310nm, 2Km
: Average output $\geq -18\text{dBm}$, sensitivity $\leq -35\text{dBm}$
: Single-mode : 155Mbps, 1310nm, 20Km
: Average output $\geq -12\text{dBm}$, sensitivity $\leq -36\text{dBm}$

Power : 24V DC. Range 12 to 48 VDC, 3 Pin terminal block, 7.62 mm
Overload Protection : Yes
Power Consumption : 1.6W. No load : 1.25W
Reverse Polarity Protection : Yes

LEDs : PWR, Fiber Connect, 10/100 and TP Link/ACT on RJ45

Operating Temperature : -40 to 75°C
Storage Temperature : -40 to 85°C
Humidity : 5 to 95% non condensing

Dimensions : 95mm x 35mm x 110mm (DxWxH)
Mounting : DIN Rail
Weight : 350g
Class : IP40

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Approvals tested for

EMI: FCC Part 15, CISPR (EN55022) class A	EN61000-4-5 (Surge), Level 4 Shock: IEC 60068-2-27
EMS: EN61000-4-2 (ESD), Level 4	Free fall: IEC 60068-2-32
EN61000-4-4 (EFT), Level 4	Vibration: IEC 60068-2-6

Product Selection Code : SC12FE2I TD M/SXXX SC/ST

SC12FE2I TD	: Standard Model Code for 2 Ethernet to Fiber Converter
M/S	: M= Multimode, S= Singlemode
XXX	: XXX = Distance in Km for Fiber. 020 Default for Singlemode
SC/ST	: SC= SC, ST= ST Connectors