

San Telequip (P) Ltd.,
504 & 505 Deron Heights, Survey no 270/1/23,
Baner Road, Pune 411045, Mah, India
Phone : 91-20- 27293455, 8390069393, 9764027070
email : info@santelequip.com



Industrial grade 2 * Ethernet to Fiber Media Converter, Model SC12FE2IS V TD



SC12FE2IS is a Industrial grade Dual 10/100Base-TX ports to 100Base-FX unmanaged 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. 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. DIP switch can implement functions such as Jumbo frame, Broadcast storm suppression, Port VLAN, Flow control.

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, IEEE 802.1Q for Port VLAN
Copper port : 10/100Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Auto tuning
Fiber port : 100Base-FX fiber port, SC/ST interface (optional)

Transmission Mode : Store and Forward
Throughput : 148810pps
MAC Address : 2K
Packet Size : 1 Mbit
Switch Time Delay : < 10μsec
Backplane bandwidth : 1G
MTBF : 445156 hrs

Fiber Cable : MM : 50/62.5-125, SM : 9/125 (μm)
Wavelength : 1310nm for MM and 1310nm, 1550nm for SM
Distance : MM : 0 to 2 Km, SM : 2 to 20 Km. Higher distances are also available

Type	Wavelength nm	Distance Km	TX Power dbm	RS Sensitivity dbm
MM	1310	2	-10 to -14	-30
SM	1310	20	-14 to -7	-34
SM	1310	40	-8 to -3	-36
SM	1310	60	-5 to 0	-36

Power

Power Input : 24V DC.
Range 12 to 48 VDC, 3 Pin terminal block, 5.08 mm
Overload Protection : Yes
Power Consumption : No Load 1.0W / Full load : 1.5W @24V DC
Reverse Polarity Protection : Yes

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

San Telequip (P) Ltd.,
504 & 505 Deron Heights, Survey no 270/1/23,
Baner Road, Pune 411045, Mah, India
Phone : 91-20- 27293455, 8390069393, 9764027070
email : info@santelequip.com



Environmental

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

Mechanicals

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

Approvals tested for

EMI: FCC Part 15, CISPR (EN55022)	EN61000-4-5 (Surge), Level 3, Power +/- 1KV, +/- 2KV, Ethernet +/-1KV, +/- 2KV
class A	Shock: IEC 60068-2-27
EMS: EN61000-4-2 (ESD), Level 3, +/- 8KV, +/- 6KV	Free fall: IEC 60068-2-32
EN61000-4-4 (EFT), Level 3, Power +/- 2KV, Ethernet +/-1KV	Vibration: IEC 60068-2-6

Product Selection Code : SC12FE2IS M/SXXX SC/ST V TD

SC12FE	: Base Code for Ethernet to Fiber Converter
2	: 2 Fast Ethernet Ports
IS	: Industrial Grade
M/S	: M= Multimode, S= Singlemode
XXX	: XXX = Distance in Km for Fiber. 020 Default for Singlemode
SC/ST	: SC= SC, ST= ST Connectors
V	: Port VLAN
TD	: Fixed