

Synergy Telecom P Ltd.

Bi-Di single Fiber Media Converter



Detailed description :

Features

- All Converters comply with IEEE 802.3 & 802.3u Fast Ethernet Standards
- LED Indication:PWR, TXL,SPD, FXL,FEF, PDX
- Provide one RJ-45 twisted pair 10/100Mbps Ethernet port and one 100BASE-Fx port
- 100BASE-Tx port : 10M/100M and full/half duplex auto-negotiation
- WDM integrate and single fiber SC connector
- Wavelength 850nm .1310nm. 1550nm to be choose
- Metal Case
- Voltage supervisor

Application

Specification

Standard

IEEE 802.3 10Base-T

IEEE 802.3u 100Base-TX & 100Base-FX

Interface

10/100Base-T: 1X RJ45 connector

100Base-FX: 1X SC simplex connector

Switching Method

Store and forward Data Transfer Rate

200 Mbps-Full duplex

MAC table

1K Entries

Filtering Rate

Filt. Rate - Ethernet: 14,880 pps

Filt. Rate - Fast Ethernet: 148,800 pps

Power

Ext. Power Supply, DC 5V, 1A

Power consumption: 5W Typical Operation & Storage Temperature

Operation: 0°C ~ 70°C

Storage Temperature: -40°C ~ 85°C

Humidity: 5% ~ 90% non-condensing

Dimension and Weight

Size: 70 x 94 x 27 mm (WxDxH)

Shipping Weight: 0.6KG

Emission/Safety

FCC Class A, CE

Typical Optical Power Budget

TYPE FHC0110-3S20B10 FHC0110-5S20B10 FHC0110-3S40B10 FHC0110-5S40B10 FHC0110-3S60B10 FHC0110-5S60B10 FHC0110-3S80B10 FHC0110-5S80B10

Connector Type SC SC SC SC SC SC SC SC SC

TX Wavelength 1310nm 1550nm 1310nm 1550nm 1310nm 1550nm 1310nm 1550nm

RX Wavelength 1550nm 1310nm 1550nm 1310nm 1550nm 1310nm 1550nm 1310nm

Typical Distance 20 Km 20 Km 40 Km 40 Km 60 Km 60 Km 80 Km 80 Km

Min TX PWR -14.0dBm -14.0dBm -8.0dBm -8.0dBm -3.0dBm -5.0dBm 0dBm 0dBm

Max TX PWR -8.0dBm -8.0dBm -3.0dBm -3.0dBm 0dBm 0dBm +2dBm +2dBm

Sensitivity -33.0dBm -33.0dBm -33.0dBm -33.0dBm -36.0dBm -36.0dBm -38.0dBm -36.0dBm

Link Budget 19.0 dB 19.0 dB 25.0 dB 25.0 dB 33.0 dB 31.0 dB 38.0 dB 36.0 dB

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