



Fast Ethernet Media Converter



Gigabit Media Converter



10/100M PoE (PD/PSE)
Media Converter

Media converters are making the bound from simple conversion devices to intelligent parts of your network. Media converters are used to convert copper to optical-fiber cabling, and vice versa. But they can also be used to switch from multimode to single mode fiber, thus extending the fiber network considerably. They continue to offer a cost-effective means for deploying fiber without requiring the to upgrade of switches, routers and other IT infrastructures, and they have enabled IT managers to merge mixed cable types seamlessly and cost-effectively into existing network fabrics.

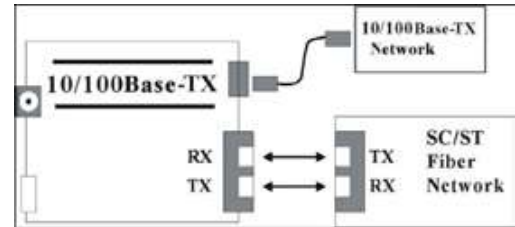
OPTICAL SYSTEMS

Fast Ethernet Media Converters 10/100

Overview

- The 10/100 Base-TX to 100 Base-FX fast Ethernet converter, Multi-mode SC/ST Fiber Connector of Single-mode SC/FC/ST Fiber Connector
- Six LEDs display instant status monitoring for power, TX Fdx, FX(Link /Act), Fx100, Tx100.

Basic Network Connection



Basic Network Connection

LED	Color	Function
FX 100	Green	Lit when 100 Base-FX operation
FX LINK / ACT	Green	Lit when fiber cable connection with remote device is good, blinks when any FX traffic is present
POWER	Green	Lit when +5V power is available
FDX/COL	Green	Lit when Full Duplex Mode is enables, blinking when collision is present
TX 100	Green	Lit when 100Base-TX operation
TX LINK /ACT	Green	Lit when TP cable connection with remote device is good, blinks when any TX traffic is present

Fiber Optic Information &Fiber Optic detail

Connector	SC/ST	SC	SC	SC	SC	SC
Fiber Type	Multi-mode	Single-mode	Single-mode	Single-mode	Single-mode	Single-mode
Wavelength	850/1310nm	1310nm	1310nm	1310nm	1550nm	1550nm
Distance	2KM	25KM	40KM	60KM	80KM	100KM
Min TX PWR	-20.0dBm	-15.0dBm	-8.0dBm	-3.0dBm	-10.0dBm	-6.0dBm
Max TX PWR	-12.0dBm	-7.0dBm	-3.0dBm	-1.0dBm	-5.0dBm	-1.0dBm
Sensitivity	-31.0dBm	-32.0dBm	-33.0dBm	-36.0dBm	-35.0dBm	-36.0dBm
Link Budget	11.0dBm	-15.0dBm	-25.0dBm	-33.0dBm	-25.0dBm	-30.0dBm

Single Fiber Information

Connector	SC	SC	SC
Fiber Type	Single-mode	Single-mode	Single-mode
Wavelength	1310/1510 nm	1310/1510 nm	1310/1510 nm
Distance	20KM	40KM	60KM
Min TX PWR	-13.0dBm	-8.0dBm	-3/-8.0dBm
Max TX PWR	-6.0dBm	-3.0dBm	1/-2.0dBm
Sensitivity	-36.0dBm	-36.0dBm	-36.0dBm
Link Budget	-23.0dBm	-28.0dBm	33/28.0dBm

Technical Specifications

Standards	IEEE802.3u Fast Ethernet 10/100 Base -TX and 100 Base-FX
Connectors	RJ45-UTP and Fiber SC or ST Multimode RJ45 and SC/ST connector Single mode RJ45 and SC Connector
LED	POWER, FX100, FX Link /Act, TX Fdx, TX Link/Act, TX 100
Data Transfer Mode	10/100Mbps
Duplex Mode	Full or Half Duplex Mode
Power requirement	AC 100-260V DC 1A@+5V
Ambient Temperature	0 to 70°C
Humidity	5% to 90%/c
Dimensions	External Power 26 x 71 x 97 mm (HxWxD)
Cable	UTP - Cat5e / Cat6 / Cat6A Fiber - Multimode 50/125, 62.5/125 or 100/140 um Fiber - Single mode 8.3/125, 8.7/125, 9/125 or 10/124 um

ORDERING INFORMATION

Part No	Description
801100201	Alston Systems, Media Converter SC SM 9/125, 10/100 2KM
801102001	Alston Systems, Media Converter SC SM 9/125, 10/100 20KM
801102501	Alston Systems, Media Converter SC SM 9/125, 10/100 25KM
801104001	Alston Systems, Media Converter SC SM 9/125, 10/100 40KM
801106001	Alston Systems, Media Converter SC SM 9/125, 10/100 60KM
801108001	Alston Systems, Media Converter SC SM 9/125, 10/100 80KM
801110001	Alston Systems, Media Converter SC SM 9/125, 10/100 100KM
802200201	Alston Systems, Media Converter SC MM 62.5/125, 10/100 2KM
802300201	Alston Systems, Media Converter SC MM 50/125, 10/100 2KM