

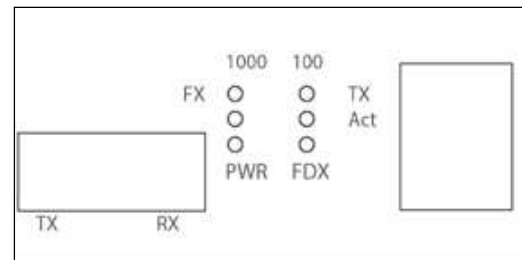
Gigabit Media Converters 10/100/1000

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 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

Overview

- IEEE802.3z/AB 1000 Mbps Gigabit Ethernet supports two types of media for network connections such 10/100/1000Base-T and 1000 Base-SX/LX. The media converter is designed with a switch controller and buffer memory that connects two types of segments to operate smoothly. With an Internal Power unit, it provides good stability and reliability.

LED Description



Front View of Gigabit Converter

TP 100	Lit when TP speed is 100 Mbps
TP1000	Lit when TP Speed is 1000 Mbps
TP Act	Lit when TP connection is good, Blinks when TP data is transmitting
TP FDX	Lit when TP full-duplex mode is active, Off when TP half-duplex mode is active, Blinks when collision signal is present.
FX Act	Lit when TP connection is good, Blinks when TP data is transmitting
PWR	Lit when +5V power is coming up

Fiber Optic Information & Fiber Optic detail

Connector	SC	SC	SC	SC	SC
Fiber Type	Multi-mode	Single-mode	Single-mode	Single-mode	Single-mode
Wavelength	850	1310nm	1310nm	1550nm	1550nm
Max Distance	62.5pm: 224m 50pm: 550m	20KM	40KM	60KM	80KM
Min TX PWR	-11.0dBm	-9.0dBm	-4.0dBm	-8.0dBm	-3.0dBm
Max TX PWR	-6.0dBm	-5.0dBm	-1.0dBm	-1.0dBm	-1.0dBm
Sensitivity	<-18.0dBm	<-21.0dBm	<-24.0dBm	<-25.0dBm	<-25.0dBm
Link Budget	7.0dBm	12.0dBm	20.0dBm	17.0dBm	22.0dBm

Technical Specifications

Standards	IEEE802.3z/AB 10/100/1000 Base-T 1000 Base-SX/LX
UTP Cable	Cat5e or Cat6 cable upto 100m
Fiber Cable	1000SX : 50/125, 62.5/125pm multi-mode 1000LX : 9/125 pm single mode
LED	TP Act, Fdx, 100, 1000 Power, FX Act
Data Transfer Mode	2000 Mbps for full duplex at 1000 Mbps speed
TP Flow Control	N Way auto generation
Fiber Flow Control	N Way at full duplex mode
Power requirement	220V (175-260V)AC, 50Hz
Ambient Temperature	0 to 70°C
Humidity	5% to 90%
Dimensions	30 x110 x 140 mm (HxWxD)

ORDERING INFORMATION

Part No	Description
801102010	Alston Systems, Media Converter SC SM 9/125, 10/100/1000 20KM
801104010	Alston Systems, Media Converter SC SM 9/125, 10/100/1000 40KM
801106010	Alston Systems, Media Converter SC SM 9/125, 10/100/1000 60KM
801108010	Alston Systems, Media Converter SC SM 9/125, 10/100/1000 80KM
802200210	Alston Systems, Media Converter SC MM 62.5/125, 10/100/1000 550MTR

10/100M POE (PD) Media Converter

PoE-PD is a 10/100Base-TX to 100Base-FX media converter, which allows two types of network segments to be connected easily. The DC/DC powered PoE media converter is a Powered Device (PD) which combines data transferred over a fiber optic link with DC/DC converter, accepting power from IEEE802.3af Power Sourcing Equipment (PSE) over CAT5 UTP cable (cable length up to 100meters / 330feet).

Overview

- 10/100Base-TX UTP to 100Base-FX fiber media convention
- IEEE802.3af PoE PD compatible
- Built-in DC/DC power supply
- choice of SC, BiDi or LC connectors for multimode and single mode

Technical Specifications

Data rates	10/100 Mbps (802.3 10Base-T/802.3u 100Base-T) 100 Mbps (100Base-FX)
Input Power (Over Ethernet) requirements	Input Voltage 37V to 57V
Current consumption	150mA max
Pin Assignment and Polarity	4/5 vs 7/8 or A vs 3/6, non-polarity
Environmental Conditions	Operating temperature:0°C to 50°C Cooling: free air convection Storage temperature:-20°Cto +85°C Operating Humidity : 90% max, noncondensing
Case Material	Iron
Case color	Black
Connectors	LAN Shielded RJ-45
Packing details	200g approx. / uni, Dimensions:71(W) x 27(H) x 94(L) (mm)