The media converter transform the transmission media of Ethernet signal from CAT5 to optical fiber. it can extend the transmission distance to several kilometer or hundred kilometer.

Using media converter is a economical solution to achieve long distance transmission base on current status.

Overview

This product supports IEEE802.3 10 Base-T standard/IEEE 802.3u 100Base-TX/FX standard/IEEE 802.3z 1000Base-TX/FX standard,as well as full duplex and half duplex mode.

Installation

1. Interface

RJ-45 interface

The transmission media adopts CAT5 twisted-pair with typical length of 100 meter. It features the function of automatically identifying the through line and cross wire

Fiber interface

SC/ST fiber interface is of duplex mode type, including two interfaces, namely TX and RX. When the two sets of optical transceiver are interfaced or connected to switch with fiber interface, the fiber is in cross connection, namely "TX-RX", "RX-TX" (direct butting for single optical fiber).

2. Connection

The network device (work station, hub or switch) with RJ-45 interface is connected to RJ-45 jack of optical transceiver through twisted-pair. And the multi/single mode fiber is connected to SC/ST fiber interface of the optical transceiver. Then switch on. The corresponding LED is on for correct connection. (See the table below for the LED indicator lamp)

Technical parameters:

1. Standard Protocol:

IEEE802.3 10 Base-T standard

IEEE 802.3u 100Base-TX/FX standard

IEEE 802.3z 1000Base-TX/FX standard

2.Connector:oneUTPRJ-45connector,oneSC/STconnector

3. Operation mode: full duplex mode or half duplex mode

4. Power supply parameter:

outside: 5V DC 2A built-in: 110-265V AC 48VDC

5. Environmental temperature: 0℃～60℃

6. Relative humidity: 5%-90%

7. TP cable: Cat5 UTP cable

8. Transfer fiber:

multi-mode: 50/125, 62.5/125 or 100/140μm

single mode:: 8.3/125, 8.7/125, 9/125 or 10/125μm

Order information:

10/100/1000M media converter__			
Cn1-W3042/3CA	1*T(X)+1*FX ports ,10/100M,WDM 1 fiber,,40km,SC,1310nm/1550nm	40km	pair
Cn1-M32CA	1*T(X)+1*FX ports ,10/100M, 5km,SC,MM 1310nm	5km	pair
Cn1-S3042CA	1*T(X)+1*FX ports ,10/100M,40km, SC,SM 1310nm	40km	pair
Cn1-S3082CA	1*T(X)+1*FX ports ,10/100M,80km,SC,SM 1310nm	80km	pair
Cn1-S3123CA	1*T(X)+1*FX ports ,10/100M,120km, SC,SM 1550nm	120km	pair
Cn1-S3042LA	1*T(X)+1*FX ports ,10/100M,40km, LC/SFP,SM 1310nm	40km	pair
Cn1-C3042CA-Xnnn	1*T(X)+1*FX ports ,10/100M,40km, SC,CWDM,Xnnn	40km	pair
Cn1-if21-S3022CA	2*T(X)+1*FX ports,10/100M,20km,Qos,SC,SM 1310nm.	20km	pair
Cn1-if41-S3022CA	4*T(X)+1*FX ports ,10/100M,20km,Qos,SC,SM 1310nm.	20km	pair
Cn1-if32-S3022CA	3*T(X)+2*FX ports ,10/100M,20km,Qos,SC,SM 1310nm.	20km	pair
Cn1-if81-S3022CA	8*T(X)+1*FX ports ,10/100M,20km,Qos,SC,SM 1310nm.	20km	pair
Cn1-if02-B30212CA	MM to SM converter,100M,SM 20km,SC ,850/1310nm	20km	pair
Cn1-if02-B40212CA	MM to SM converter,1000M,SM 20km,SC ,850/1310nm	20km	pair
Cn1-M41CA	1*T(X)+1*FX ports ,1000M, 550m,SC,MM 850nm.	550m	pair
Cn1-M42CA	1*T(X)+1*FX ports ,1000M, 2km,SC,MM 1310nm.	2km	pair
Cn1-S4012CA	1*T(X)+1*FX ports ,1000M, 10km,SC,SM 1310nm.	10km	pair
Cn1-S4032CA	1*T(X)+1*FX ports ,1000M, 30km,SC,SM 1310nm.	30km	pair
Cn1-W4022/3CA	1*T(X)+1*FX ports ,1000M, WDM 1 fiber,20km,SC,1310nm/1550nm.	20km	pair
Cnr-116	Chassis,16 Slots 2.5U 19" w 2 power racks, 2 power.		
Cn3-S3022CD	Double chs media converters,10/100/1000M optional,2*RJ45 +2* fiber port,19" 1U rack mountiong,Redundant DC48/AC220V power supply.	20km	pair