

General Description

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. Gigabit media converter can transmit 500M by Multimode and 120km by singlemode.the fiber connector can be optional Among SC, ST, FC, LC, SFPetc.



Features

1. Standard Protocol: IEEE802.3 10 Base-T standard
IEEE 802.3u 100Base-TX and IEEE802.3z standard.
2. Built in high efficiency SRAM for packet buffer, with 1K-entry lookup table and 4-way associative hash algorithm.
3. Half duplex: back pressure flow control Full duplex: IEEE802.3x flow control
4. Automatic identification of MDI/MDI-X cross line.
5. Support jumbo packet 9K Bytes.
6. Both external and internal power supply are available.
7. Fiber connector: Choice from SC,ST,FC or LC connector for multimode and single mode and SFP for inserting.
8. LED display for easy monitoring of device status
9. Transmission distance can reach 500M for multimode and 120KM for single mode
10. Can be rack mounted in 14 slots chassis(external Power supply)

ANDA Telecom Pvt. Ltd.
ISO 9001:2000 Certified Company

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SPECIFICATION

Item	Specification/Term
1	Item number AT-SFP-850
2	Standard IEEE802.3u,10/100/1000Base-T,1000Base-SX/LX,IEEE802.3ah, IEEE802.3z/ab
3	Flow control IEEE8.2.3x port flow control and backpressure control
4	Transmission speed 10M/100/1000M auto-negotiation
5	Transmission mode Full-duplex/semiduplex(auto-negotiation)
6	Conversion mode Storage transmission
7	MAC address VLAN 4K
8	Buffer space 128KB
9	Packet length Storage transmission:9728Bytes,straight-through,infinite.
10	Time-delay 9.6us
11	Bit error rate <1/1000000000
12	MTBF 100,000 hours
13	Power supply AC100~265V 50/60Hz / DC5V 1A
14	Power dissipation <2.5W
15	Interface Electric port:RJ45,Fiber port:SC/FC or SFP
16	Twisted-pair Cat.5,Cat.6
17	Multimode fiber 50/125,62.5/125um
18	Singlemode fiber 8/125,8.3/125,9/125um
19	Wavelength 850nm/1310nm/1550nm
20	Transmit distance SFP Supported
	1) Dual fiber multimode 550m
	2) Dual fiber single mode 20/40/60/80/100/120Km
	3) single fiber single mode 20/40/60/80Km
	4) Cat.5 twisted-pair 100m
21	Operating temperature 0~50°C
22	Storage temperature -20~70°C
23	Humidity 5%~90% (no condensation)
24	Size 115 * 77 * 26mm (L*W*H)(card type without metal box) 118 * 87 * 28mm(L*W*H)(with metal box) 158*128*32mm(L*W*H)(Built-in power supply)

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Technical Parameter

	10/100/1000M Multimode Media converter	10/100/1000M Single Media converter
Cable	MM fiber/twist pair	SM fiber/twist pair
Operation Mode	full duplex mode or half duplex mode	
Connector	One UTP RJ-45connector,oneSC/ST/FC or one LC connector	
Power Supply	Adapter (External): 110-265VAC(48V DC) input, 5V1A DC output Power (Internal): 110-265V AC(48V DC) input, 5V1A DC output	
Jumbo Packet	9K Bytes.	
Environmental temperature	0~50 degrees	
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	
Relative Humidity	5%-90%	
Size	94mm x 71mm x 26mm (Power external type) 150mm x 110mm x 26mm(Power internal type)	

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