10/100/1000M Media Converter GS-3100

DESCRIPTION

The 10/100/1000 Mbps auto-negotiation media converter transforms the transmission media of Ethernet signal from CAT5 to optical fiber. it can extend the transmission distance to several kilometers or hundred kilometers. This product supports IEEE802.3U IEEE802.3z 1000Base-Tx/Fx protocol, as well as full duplex and half duplex mode.

FEATURES

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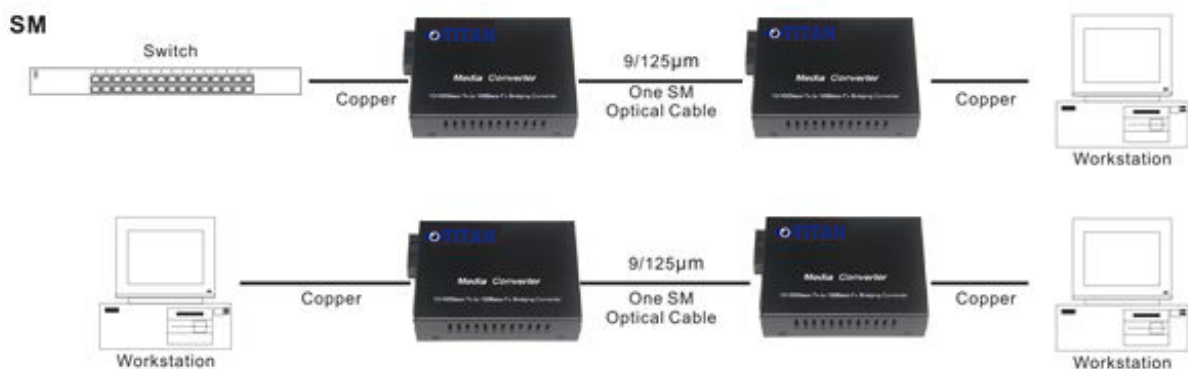
European type   U.K. type   China type

U.S.A type   Australia type

TECHINCAL SPECIFICATIONS

Parameter	Specifications
Standard	IEEE802.3u,10/100/1000Base-T,1000Base-SX/LX,IEEE802.3ah, IEEE802.3z/ab
Flow control	IEEE8.2.3x port flow control and backpressure control
Transmission speed	10M/100/1000M auto-negotication
Transmission mode	Full-duplex/semiduplex(auto-negotiation)
Conversion mode	Storage transmission
MAC address	VLAN 4K
Buffer space	128KB
Packet length	Storage transmission:9728Bytes,straight-through,infinite.
Time-delay	9.6us
Bit error rate	<1/1000000000
MTBF	100,000 hours
Power supply	AC100~265V 50/60Hz / DC5V 1A
Power dissipation	<2.5W
Interface	Eletric port:RJ45,Fiber port:SC/FC or SFP
Twisted-pair	Cat.5,Cat.6
Multimode fiber	50/125,62.5/125um
Singlemode fiber	8/125,8.3/125,9/125um
Wavelengh	850nm/1310nm/1550nm
Transmit distance 1）Dualfiber multimode 2）dual fiber singlemode 3）single fiber singlemode 4）Cat.5 twisted-pair	 550m 20/40/60/80/100/120Km 20/40/60/80Km 100m
Operating temperature	0~50℃
Storage temperature	-20~70℃
Humidity	5%~90%
Size	115 * 77 * 26mm (L*W*H)(card type without metal box） 94mm*70mm*25mm(L*W*H) (External power supply) 140mm*110mm*30mmmm(L*W*H) (Internal power supply)

LED INDICATOR LAMPS

LED indicator	Status	Explanation
Link/Act	On	Connection status display for link. "ON" indicates that link is in correct connection.
	Blink	Active status display of fiber port or RJ45 port. "Blink" indicates packet goes through media converter.
FDX	On	Transceiver works in the full duplex mode.
	Off	Transceiver works in the half duplex mode.
PWR	On	Power is on and normal.
1000	On	Transfer rate of electric interface is 1000Mbps.
100	On	Transfer rate of electric interface is 100Mbps.

Ordering Information

Part Number	Product Description
GS-3100	10/100/1000M SFP Media Converter