10M/100M/1000M Single Fiber Media Conventor

Description:

Media converter card is fast Ethernet media converter. It can be inserted into rack-
mount chassis or inserted into
standalone shell. The converter mediates between a 10/100/1000 Base-TX segment and a 1000Base-
FX segment.
It is primarily designed for large, higher speed/ bandwidth demanding work groups that require expansion of the
Ethernet network. It can extend the conventional 10M Ethernet or 10/100/1000M fast Ethernet to 2km-
80km via the
fast Ethernet fiber optical line. It is high-performance, cost effective and flexible solutions for a wide range of
applications in the field of broadband WAN established by data network operators as Telecast, Netcom, Unicom,

or industrial broadband industrial personalized network of government, finance, oil, police, force, railway, power,
transportation, education, etc.

Features:

- ■·It can be inserted into rack-mount chassis or inserted into stand-alone shell.
- ■·It has SNMP management function when SNMP stand-alone is used in the SNMP media chassis
- ■·Single-mode, multi-mode, WDM Bi-direction types are available
- ■·Fully complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX standard
- ■·Auto-detection of half/full duplex transfer mode for TX port
- ■·Auto-negotiation of 10/100Mbs rate and Auto-MDI/MDIX for TX port
- ■·Provide switch configuration of half/full duplex transfer mode for FX port
- ■·Extend fiber distance up to 2km for 50/125um or 62.5/125um multi-mode fiber and 20-80km for
    9/125um single-mode fiber
- ■·Indication light: POW: Power Indicator, 10/100: Speed Indicator, LINK/ACT
- ■·Transmission Indicator, FDX: Full-duplex or half duplex Indicator, FX: Fiber Indicator,
- ■·TX: Raster Line Indicator
- ■·Easy-to-view LED indicators provides status to easily monitor network activity
- ■·Available for SNMP management and no management

Specification:

Standard Protocol	IEEE802.3	
	IEEE802.3u 100BaseTX	
	IEEE802.3ab 1000BaseT	
	EEE802.3z 1000BaseX	
	IEEE802.3x full duplex on 10BaseT,100BaseTX,1000BaseT	
	IEEE802.3ah1000Base-FX	
Transmission speed	10M/100M auto-negotiation	
Transmission mode	Full-duplex and semi duplex(auto-negotiation)	
Conversion mode	Media conversion,storage transmission,direct transmission	
Interface	UTP: RJ-45	Fiber connector: SC/ST/FC
Twisted-pair	Cat5 UTP cable (the max distance up to 100m)	
Fiber Cable	8. 3/125, 8. 7/125, 9/125, 10/125μm(the max distance up to 20 -100km)	
	50/125, 62. 5/125μm(the max distance up to 500m)	
Wavelength	Multi Mode: 850nm	Single Mode: 1310/1550nm
Conversion mode	Media conversion,storage transmission,direct transmission	
MAC address	1K	
Buffer space	288KB	
Packet length	Storage transmission:2046Bytes,straight-through,infinite.	
Time-delay	9.6us	
Bit error rate	<1/1000000000	
MTBF	80,000 hours	
Power supply	AC100~250V on media converter rack mounts	
Power dissipation	<2.5W	
Operating temperature	0~50 Celsius degree	
Storage temperature	-20~70 Celsius degree	
Humidity	5%~90% (no condensation)	
Dimensions(mm)	115 * 77 * 26mm (L*W*H)(card without metal box)	

Application: