1000M Media Converter



BRIEF INTRODUCTION

This product supports IEEE802.3z 1000Base-Tx/Fx protocol, as well as full duplex and half duplex mode.
This manual is for 1000M transceivers.

INSTALLATION

- Interface
  RJ-45 interface
  The transmission media adopts CAT5 twisted-pair with typical length of 1000 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).
- 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

- Standard Protocol: IEEE 802.3z 1000Base-TX/FX standard
- Connector:oneUTPRJ-45connector,oneSC/STconnector
- Operation mode: full duplex mode or half duplex mode
- Power supply parameter:
  Outside: 5V DC 2A
  Built-in: 110-265V AC 48VDC
- Relative humidity: 5%-90%
- TP cable: Cat5 UTP cable
- 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

TECHNICAL PARAMETERS

Description	Fiber mode	TX power	Rx power	Wavelength	Distance
LNG-8110GMA-11-05	Multi-mode dual fiber	-17~-12	<<-20.0	850nm	550m
LNG-8110GMA-11-2	Multi-mode dual fiber	-17~-12	<<-20.0	1310nm	2 Km
LNG-8110GSA-11-10	Single-mode dual fiber	-6~-12	<<-21.0	1310nm	10 Km
LNG-8110GSA-11-20	Single-mode dual fiber	-3~-8	<<-23.0	1310nm	20 Km
LNG-8110GSA-11-40	Single-mode dual fiber	-3~0	<<-25.0	1550nm	40 Km
LNG-8110GSA-11-60	Single-mode dual fiber			1550nm	60 Km
LNG-8110GSA-11-80	Single-mode dual fiber	>>1	<<-27.0	1550nm	80 Km
LNG-8110GSB-11-10A/B	Single-mode single fiber	-10~-5	<<-20.0	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	10 Km
LNG-8110GSB-11-20A/B	Single-mode single fiber	-8~-3	<<-23.0	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	20 Km
LNG-8110GSB-11-40A/B	Single-mode single fiber	-3~-0	<<-23.0	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	40Km
LNG-8110GSB-11-60A/B	Single-mode single fiber	-3~-0	<<-23.0	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	60Km