FLEXTREME

Media Converter UTP 10-100 Mbps to Fiber Optic 100 Mbps

FL-8110MA-11-2: Media Converter 10-100 Mbps to 100FX, Multi-Mode 2 Km, SC

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.

FEATURES

1.Built in a 2-port switch:
–Pass all packets without address and CRC check (optional);
–Supports modified cut-through frame forwarding for low latency;
–Supports pure converter mode data forwarding for extreme low latency;
–Supports flow control for full and halt duplex operation;
–Bandwidth control;
–Forward 1600 bytes packet for management;
–Optional forward fragments.

2. Supports 100Base-FX standard;
3.Built in 128Kb RAM for data buffer;
4.Supports auto MDI-MDIX function;
5. Supports link fault pass through function (LFP);
6. Supports for end fault function (optional);
7. LED display for link/activity, full/half, 10/100M
8. Support EEPROM configuration (optional);
9. the longest transmission distance reach 120 kilometers;

STANDARD

IEEE802.3 ETHERNET STANDARD
IEEE802.3u FAST ETHERNET STANDARD

FL-8110SA-11-20: Media Converter 10/100 Mbps to 100FX, Single-Mode 20Km, SC

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.

FEATURES

1.Built in a 2-port switch:
–Pass all packets without address and CRC check (optional);
–Supports modified cut-through frame forwarding for low latency;
–Supports pure converter mode data forwarding for extreme low latency;
–Supports flow control for full and halt duplex operation;
–Bandwidth control;
–Forward 1600 bytes packet for management;
–Optional forward fragments.

2. Supports 100Base-FX standard;
3.Built in 128Kb RAM for data buffer;
4.Supports auto MDI-MDIX function;
5. Supports link fault pass through function (LFP);
6. Supports for end fault function (optional);
7. LED display for link/activity, full/half, 10/100M
8. Support EEPROM configuration (optional);
9. the longest transmission distance reach 120 kilometers;

STANDARD

IEEE802.3 ETHERNET STANDARD
IEEE802.3u FAST ETHERNET STANDARD

Media Converter UTP 10-100 Mbps to Fiber Optic 1000 Mbps

FL-8110GSA-11-20-AS: Media Converter 10/100/1000 Mbps to 1000LX, Single-Mode 20 Km, SC

GENERAL DESCRIPTION

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.

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
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

FL-8110GMA-11-5-AS: Media Converter 10/100/1000 Mbps to 1000SX, Multi-Mode 550 Meter, SC

GENERAL DESCRIPTION

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.

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
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

Media Converter UTP 10-100-1000 Mbps to SFP Slot

FL-8110G-SFP-AS: Media Converter 10/100/1000 Mbps to SFP Slot

GENERAL DESCRIPTION

This series converters are designed to meet the massive needs for Gigabit network deployment and able to extend a copper based Gigabit network via fiber cable to a maximum distance up to 80KM.
This series converters are fully compliant with IEEE802.3z & 802.3ab standards. It can be installed into a Standard Converter Chassis. The installation & operation procedures are simple & straightforward.Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

Features:
10/100/1000Base-T to 1000BASE-SX/LX Converter
Standard : IEEE 802.3z & 802.3ab
Interface: 1 x RJ-45 connector / 1 x SFP Slot
MDI/MDIX Auto-Crossover supported
LED: Power , DUP,FP-LINK,RX, 1000,TX
Plug-and-Play installation
Support Jumbo Frame (64-9216 Byte)
Support Voltage Monitor
*SFP Module Not Included. See SFP Module

Media Converter WDM Single Core

FL-8110SB-11-20A/B: Media Converter 10/100 Mbps to WDM 100FX, Single-Mode 20 Km, SC (2 Unit/PAIR)

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.

FEATURES
1.Built in a 2-port switch:
–Pass all packets without address and CRC check (optional);
–Supports modified cut-through frame forwarding for low latency;
–Supports pure converter mode data forwarding for extreme low latency;
–Supports flow control for full and halt duplex operation;
–Bandwidth control;
–Forward 1600 bytes packet for management;
–Optional forward fragments.
2. Supports 100Base-FX standard;
3.Built in 128Kb RAM for data buffer;
4.Supports auto MDI-MDIX function;
5. Supports link fault pass through function (LFP);
6. Supports for end fault function (optional);
7. LED display for link/activity, full/half, 10/100M
8. Support EEPROM configuration (optional);
9. the longest transmission distance reach 120 kilometers;

STANDARD
IEEE802.3 ETHERNET STANDARD
IEEE802.3u FAST ETHERNET STANDARD

FL-8110GSB-11-20A/B-AS: Media Converter 10/100/1000 Mbps to WDM 1000LX, Single-Mode 20 Km, SC (2 Unit/PAIR)

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.

FEATURES
1.Built in a 2-port switch:
–Pass all packets without address and CRC check (optional);
–Supports modified cut-through frame forwarding for low latency;
–Supports pure converter mode data forwarding for extreme low latency;
–Supports flow control for full and halt duplex operation;
–Bandwidth control;
–Forward 1600 bytes packet for management;
–Optional forward fragments.
2. Supports 1000Base-LX standard;
3.Built in 128Kb RAM for data buffer;
4.Supports auto MDI-MDIX function;
5. Supports link fault pass through function (LFP);
6. Supports for end fault function (optional);
7. LED display for link/activity, full/half, 10/100M
8. Support EEPROM configuration (optional);
9. the longest transmission distance reach 120 kilometers;

STANDARD
IEEE802.3 ETHERNET STANDARD
IEEE802.3u FAST ETHERNET STANDARD

Media Converter Multi Mode to Single Mode

FL-100MM-SM : Media Converter Multi Mode 2 km to Single Mode 20 km , 100 Mbps

FL-1000MM-SM : Media Converter Multi Mode 550 m to Single Mode 2 km , 1000 Mbps

GENERAL DESCRIPTION
Media Converter Multi Mode to Single Mode, 100 Mbps & 1000 Mbps

Chassis Media Converter

FL-81/4-2A: Media Converter Rack-Mount Chassis 14 slots with dual power supply NMS function

Overview
The 14 slots media converter chassis supports plug-and–play installation of stand-alone media converters convert modules, can hold at most 14 pieces media converters. This converter chassis can supply several media converters with power ,this will simple the links and structure, it can work stably and adapt broad width of voltage . It can store strong power and can be operated and managed easily. The maintenance of this chassis is also very easy. This option is the very one to meet the requirements of good stability , high capacity ,good integration and good quality. This option supports hot-swap convert modules .It can work with single power supply or dual power supply as users wish, when the power supply should be maintained or changed ,it is not necessary to pull-out the converters, this makes the maintenance easy. With all these advantages ,this option can supply users with an effictive solution of networks.

SPECIFICATIONS
Number of slots :14
Media converters adapted :
14 slots chassis : 10/100M or 1000M or 10/100/1000M stand-alone media converters
Power in :AC 100 V~260 V ; OR DC 48V Power out :DC 5V , 12A
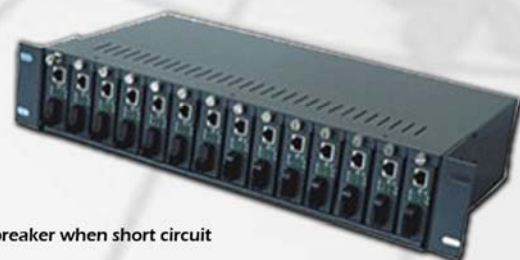Diameter of DC plug :2.5/5.5 mm
Ripple≤50 Mv
Noise :≤50 Mv
Protection of power supply :circuit-breaker when overvoltage ;circuit-breaker when overflow ;circuit-breaker when short circuit
Operating Temperature :0?~50?
Storage Temperature:-20?~85?
Humidity: 5%~95%
Dimensions:L485 ,W231,H90 mm   ;19 inches 2U

SFP Module

FL-SFP1000MM: SFP Module 1000BaseSX Multi Mode

SFP package with LC connector 550m transmission with multi-mode fiber +3.3V single power supply LVPECL compatible data input/output interface Low EMI and excellent ESD protection laser safety standard IEC-60825 compliant Compatible with CE/RoHS

FL-SFP1000SM-80: SFP Module 1000BaseLX Single Mode, 1550 nm, 80 Km

FL-SFP1000SM-80: SFP Module 1000BaseLX Single Mode, 1550 nm, 80 KmSFP package with LC connector Up to 80Km transmission with single-mode fiber +3.3V single power supply LVPECL compatible data input/output interface Low EMI and excellent ESD protection laser safety standard IEC-60825 compliant Compatible with CE/RoHS

FL-SFP1000SM-40: SFP Module 1000BaseLX Single Mode, 1550 nm, 40 Km

FL-SFP1000SM-40: SFP Module 1000BaseLX Single Mode, 1550 nm, 40 KmSFP package with LC connector Up to 40Km transmission with single-mode fiber +3.3V single power supply LVPECL compatible data input/output interface Low EMI and excellent ESD protection laser safety standard IEC-60825 compliant Compatible with CE/RoHS

FL-SFP1000SM: SFP Module 1000BaseLX Single Mode

SFP package with LC connector Up to 20Km transmission with single-mode fiber +3.3V single power supply LVPECL compatible data input/output interface Low EMI and excellent ESD protection laser safety standard IEC-60825 compliant Compatible with CE/RoHS

FL-SFP1000UTP : SFP Module 10/100/1000 Mbps UTP

FL-SFP1000UTP : SFP Module 10/100/1000 Mbps UTP

FLEXTREME