

13. 미디어 컨버터

a. 10/100M 미디어 컨버터

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b. Giga 미디어 컨버터

이더넷컨버터



Application

- Fast Ethernet LAN Extension
- Fast Ethernet Backbone Connection
- Industrial data acquisition, control

Feature & Benefits

- Converts 10 / 100BaseT to 100BaseFX
- Full IEEE 802.3 & 100BaseFX Compliance
- Extended Environmental Specifications
- Support for Full / Half Duplex Operation
- LED Link / Activity Status Indication
- Auto Sensing Speed and Flow Control
- Plug and Play - compact, Space Saving Package
- Optional One fiber connection using WDM technology

Specifications

| Parameter | Value | Unit |
|----------------------------|-------------------------|---------------------|
| RJ45 port (shiled) | 10/100Base | |
| RJ45 speed | 10 or 100 | Mbps |
| Fiber optic port | Multimode or Singlemode | |
| No. of Fiber | one or two | |
| Fiber optic port speed | 100Mbps(100BaseFX) | |
| Fiber optic wavelength | 1310/1550 | nm |
| Transmit Power | -17/-3(MM/SM) | dBm |
| Receiver Sensitivity | -33/-35 | dBm |
| Fiber maximum distance | Up to 2/15 | km |
| Optical connector | LC, SC, MU, ST | |
| Ethernet protocols support | All standart IEEE 802.3 | |
| Operating Temperature | 0~70 | ℃ |
| Storage Temperature | -20~85 | ℃ |
| Operating Humidity | 10~90 | % |
| Dimension | Stand aloneType | 26(H)x70(W)x100(D) |
| | 16 Slot Rack Type | 88(H)x442(W)x350(D) |

Ordering Information

FEC -□-□□/□□-□

| | |
|--------------------------|-------------------------------------|
| Case Type | M : for module C : for card |
| Fiber length | 02 for 2km 15 for 15km |
| Optical Connector | LC, SC, MU, ST |
| Fiber type | M for multimode S for Singlemode |
| Fiber Ethernet Converter | |

b. Giga 미디어 컨버터

1000M Fiber Media Converter (Marvel chipset)



1000M RJ45 port + 1 single-mode fiber port.

Compliant with IEEE802.3ab 1000BASE-T standards for TP connection and IEEE802.3z 1000BASE-SX/LX standards for Fiber connection

The product is Gigabit Ethernet converter. The converter mediates between a 1000Base-Tx signal and a 1000Base-FX signal. It is primarily designed for large, higher speed/bandwidth demanding workgroups that require expansion of the Ethernet

Compliant with IEEE802.3ab 1000BASE-T standards for TP connection and IEEE802.3z 1000BASE-SX/LX standards for Fiber connection Provide one SC fiber connector and one UTP connector Auto-detection of half/full duplex transfer mode for Tx port UTP interface should be 1000M Extend fiber distance up to 0.55KM for Multi-mode fiber or 60Km for Single-mode Easy-to-view LED indicators provides status to easily monitor network activity External power supply

| | |
|-----------------------|---|
| Standards | ,IEEE802.3u ,IEEE802.3x, IEEE802.3z |
| Data Rate | 1000Mbps |
| Operating Wavelength | 850±25nm ,1310±25nm for Multi-mode 1310±25nm,1550±25nm for Single-mode |
| Transmit distance | Multi-mode: 0.55Km Single-mode: 10-60Km |
| Fiber Interface | SC |
| Fiber type | Single-mode: 9/125um Multi-mode: 62.5/125um |
| RJ45 port | UTPCat.5 Cable or Cat.6 Cable |
| Power Supply | 5V, 1A(External) |
| Power consumption | 5W |
| Operation temperature | 0°C~60°C |
| Storage temperature | 10°C~70°C |
| Humidity | 5%~95%(Non-condensing) |
| Dimension: | Dimensions: 120mm(D)×88mm(W)×16mm(H) |