ENTASOURCE CO.,LTD

ETS-2200(LFP)

Media Converter
10/100/1000Base-Tx to 1000Base-Fx
RoHS Compliant

Description

The ETS-2200 series comply with IEEE 802.3/ab Gigabit Ethernet standard. It supports two types of media for network connection such as 10/100/1000Base-T to 1000Base SX/LX and connects these two types of segments to operate smoothly ETS-2200 series can be used in 16 slot chassis as plug in module ETS-2200 series Fiber Media Converter transforms 1000Base-T (Copper Gigabit) media to 1000Base-SX/LX (Fiber Gigabit) media and vice versa. The 1000Base-T port supports full-duplex Gigabit connection at wire speed with RJ45 connector. The fiber Gigabit connection supports shortwave (SX) or long wave (LX) laser optic with multi-mode or single-mode SC type connector.

This converter will give your Copper Gigabit connection the ability to interface with fiber connection over a distance up to 80 km! 10/100/1000 means, that media converter that converts the electrical signal of a 10/100/1000 Ethernet signal from copper to fiber. This solution will offer a low-cost integration ENTA SOURCE for network managers who want to migrate from 10/100 networks to Gigabit Ethernet. Gigabit only switches can now be connected to 10/100 networks without the need to upgrade the 10/100 side, allowing network managers to add new equipment gradually

Main Features

- Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE 802.3x auto-negotiation
- Works at 10Mbps or 100Mbps, full or half-duplex mode, or 1000Mbps full-duplex mode
- Extends distances ranging from 550m(multi-mode fiber) to 120km(single-mode fiber)
- Supports auto MDI/MDIX function
- Status LED for easy monitoring of device status
- Supports jumbo frame size 9K bytes
- External power supply
- Supports independent LFP function
- FCC Class A & CE approved

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Specifications

Interface
- 1 x Ethernet port (RJ45) 10/100/1000Base-Tx
- 1 x Optical port (1x9) 1000Base-Fx

Optical Port
- Available for 1310nm and 1550nm Single mode, and 850nm Multi mode;
- Transfer Distance: up to 120km;
- Connectors: SC, ST, FC optional
- Fiber core: 9/125μm on single mode fiber, 50/125μm and 62.5/125μm on multi-mode fiber

Ethernet Port
- Standard: IEEE802.3, IEEE802.3u, IEEE 802.3ab, IEEE802.3x
- Available speed: force 10Mbps, force 100Mbps, force 1000Mbps and auto-detective 10/100/1000Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

DIP Switch Function
- TP port mode Normal or Cut-Through
- LFP LFP enabled (default) or disabled

LED Indicators
- Power Status, FDX, Speed, FX Link/Act, TX Link/Act

Power Requirement
- Input: 5V DC

Physical Characteristics
- Housing: Metal enclosure
- Dimensions: 94 x 70 x 26mm (Excluding the connector)
- Weight: 0.28kg

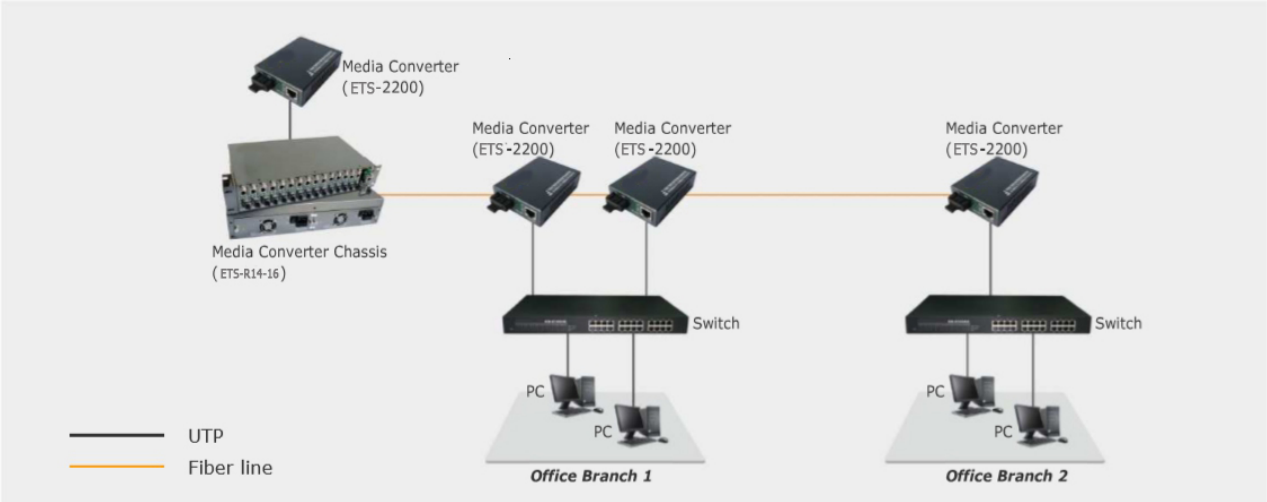
Environmental Limits
- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH
- Storage Humidity: 5% to 90% RH

Agency Approvals
- FCC Part 15 of Class A & CE approved

Warranty
- 3 years

Applications

The following illustrates typical applications for the ETS-2200 series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.



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Ordering Information

Double Fiber Media Converter	
ETS-2200	10/100/1000Base-Tx to 1000Base-Fx, Multi mode, 550m, SC/ST/FC, LFP
ETS-2200S20	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 20Km, SC/ST/FC, LFP
ETS-2200S40	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 40Km, SC/ST/FC, LFP
ETS-2200S60	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 60Km, SC, LFP
ETS-2200S80	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 80Km, SC, LFP

WDM Fiber Media Converter	
ETS-3200S20	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 20Km, SC/ST/FC, LFP
ETS-3200S40	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 40Km, SC/ST/FC, LFP
ETS-3200S60	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 60Km, SC, LFP
ETS-3200S80	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 80Km, SC, LFP

Important Notice

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