



EM-2500-SSXX 2.5G Fiber Media converter

Features

- In conformity to IEEE 802.3i 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3x 1000BASE-TX
- MDI/MDI-X Auto Negotiation
- Ethernet Transmit: 100Base-T: Cat3 or better, UTP/STP(≤100m), 1000 Base-TX: Cat6 or better UTP/STP(≤100m), 2500 Base-TX: Cat6 or better UTP/STP(≤30m)
- Supports 2U 19" System Chassis, holds up to 14pcs standalone type media converter or 16pcs card based media converter
- Hot Pluggable & Wall-Mountable
- Stable performance more than 50 thousands hours with fault-free Unique IC solution applied
- Supports VLAN transmission
- Stable performance more than 50 thousands hours with fault-free
- In conformity with safety code of FCC, CE and RoHS

Description

This Series is a kind of intelligent, adaptive and fast Ethernet converter devices. It can implement data transmission between twisted pair electrical signals and optical signals which are the two types of network connection media. This kind of media converter can extend the transmission distance to 0.55 kilometers (multimode) or 120 kilometers (single mode). Using media converter is an economical solution to achieve long distance transmission based on current status.

Specification

Rate	self-adaptive 2.5G/10/100/1000M
Protocol supported	IEEE802.3/IEEE802.3U etc.
Fiber type	single / dual fiber
Optic mode	single / multimode
Transmission mode	half / full duplex
Ethernet interface	One RJ-45
Optic interface	One SC/FC/ST
Optic wavelength	850nm, 1310nm, 1550nm, Tx1310/Rx1550nm, Tx1550/Rx1310nm
BER	< 1/1000000000
LFP Function	LFP turned up to OFF: the optical port is 2.5G, the electrical port is 100M/1000M/2.5G adaptive ON: LFP turned down to ON, the optical port is 1G, the electrical port is 1G, the SPEED light is on
MTBF	3 years
POWER	12W
Power supply	DC12V/1A
Working temperature	-20℃~75℃
Working humidity	5%-95%

Storage temperature	-40℃~85℃
Storage humidity	5%~90%(no-condensing)
Working humidity	10%~90%(no-condensing)
Weight	0.7KG
Dimensions	95mm*70mm*25mm (L*W*H) for device

Application

- Extend your Ethernet connection up to 0~120km away using fiber optics
- Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones
- Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus)
- Designed to provide high-speed bandwidth for demanding large scale work groups that require expansion of Gigabit Ethernet Network

