



COE® X-Net Gigabit Media Converter



A cost effective ethernet to fibre media converter for mixed copper/ fibre environments.

The X-Net Media Converter converts media transmission between UTP Copper cabling and fiber SFP (Small Form-Factor Pluggable) Transceivers. The copper-to-fiber module is 1000 Mbps Gigabit Ethernet type, allowing seamless integration between Fast/Gigabit Ethernet networks using unshielded twisted pair (UTP) copper cabling, and Gigabit fiber networks.

Features & Benefits

- ▶ **Long-haul Gigabit Ethernet** - Depending on the distance between two sites, users can select and insert proper SFP Transceivers into the slots for different network environments: multi-mode SFP for short distance (up to 550m) or single-mode SFP for long distance (from 10km to 100 Km). Regardless of the scale of deployment, the X-Net Media Converter is the most cost-effective, flexible solution for mixed copper/fibre environments like LANs, campus networks or even Metropolitan Area Networks.
- ▶ **Comprehensive LED Diagnostics** - Far end cable connectivity detection and associated alarm LEDs provide quick and intuitive fault indication.
- ▶ **Easy Integration** - The X-Net Media Converter module uses the common X-Net rack, thus providing uncompressed digital video transmission directly over fibre and IP video transmission over fibre from the same rack. This allows easy mix n match of uncompressed and compressed digital modules while minimizing the cost of additional infrastructure.
- ▶ **Easy Installation** - The Auto-negotiating Ethernet function empowers the Gigabit RJ-45 port on X-Net Media converter to negotiate transmission speed and mode with peer devices automatically; and the Auto-crossover Ethernet port can prevent circuit mismatch problems by auto-sensing MDI/MDIX configuration. With these intelligent functions, X-Net media converter can be paired with a switch, a NIC (Network Interface Card) or a Gigabit Ethernet device via a UTP/STP cable easily.

Sales Codes

XNETMEDIATX

Gigabit, auto-sensing, auto-negotiating fibre to Ethernet converter for X-Net video transmission system. Supplied with single fibre 1310/1550nm SFP optical laser.

XNETMEDIARX

Gigabit, auto-sensing, auto-negotiating fibre to Ethernet converter for X-Net video transmission system. Supplied with single fibre 1550/1310nm SFP optical laser.

XNETBOXSINGLE

X-Net Module box housing kit - Single unit.

PSU12VDC

Stand alone 12VDC/1.25 amp output power supply. Input is 100-264VAC via. IEC connector.



Performance and Specifications

Connector & Interface

RJ-45	CAT-5/(100/1000Mbps) Twisted Pair cable Auto MDI/ MDI-X and Auto-Negotiation Support
Fibre	LC (SFP 3.3V)

Link Loss Forward

TX to Fibre	If TX port link is broken, then converter will force the fibre port to link down
Fibre to TX	If Fibre port link is broken, the media converter will force the TX port to link down.

LED Functions

- Power Status
- 100/1000 Ethernet status
- Ethernet activity status
- Ethernet full duplex/half duplex status
- Fibre link status
- Fibre activity status
- Fibre full duplex/half duplex status

DIP Switch

DIP Switch 1	Fibre Auto-Negotiation /1000Mbps Full Duplex mode
DIP Switch 2	TX to Fibre LLF (Link Lose For- warding) Disable/Enable
DIP Switch 3	Fibre to TX LLF (Link Lose For- warding) Disable/Enable

Environmental

Operating temperature	-0°C - +45°C
Storage temperature	-10°C - +70°C
Humidity	10% to 90% (Non-Condensing)

Mechanical

Dimensions	6HP x 4U x 167mm
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Power Requirements

Standalone	DC12V/0.7A
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Standards Compliance

- IEEE802.3 10Base-T
- IEEE802.3u 10Base-FX
- IEEE802.3ab 1000Base-T
- IEEE802.3z 1000Base-SX/LX standards
- IEEE802.3x Flow Control and Back pressure

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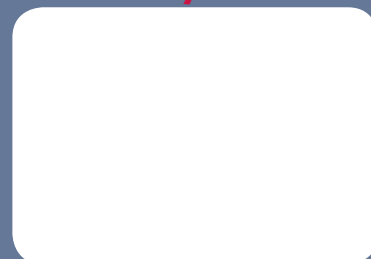
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