



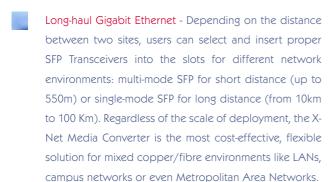
COE X-NetTM Media Converter



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

The X-Net Media Converter converts media transmission between UTP Copper cablings 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.

System Features and Benefits





Easy Troubleshooting - With the Link Loss Forwarding mechanism activated, any detected broken link on the RJ-45 Ethernet port will force the fiber port to take over, and the fibre uplink port will stop transmitting then "turned off" as soon as the remote link is down. Transparent link status will be delivered by the Link Loss Forwarding mechanism to facilitate the troubleshooting process.



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.



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.

Sales Codes

X-Net Media Converter

X-Net 1 x Ethernet/Fibre media converter module. Requires a 1.25 Gbps SFP to operate.







Standards Compliance

IEEE802.3 10BASE-T
IEEE802.3u 100BASE-TX
IEEE 802.3ab 1000Base-T
IEEE 802.3z 1000Base-SX/LX standards
IEEE802.3x Flow Control and Back pressure

DIP Switch

DIP Switch 1
Fiber Auto-Negotiation
/1000Mbps Full Duplex mode

DIP Switch 2
TX to Fiber LLF(Link Lose
Forwarding) Disable/Enable

DIP Switch 3
Fiber to TX LLF(Link Lose
Forwarding) Disable/Enable

Connector & Interface

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

Environmetal

Operating temperature $0 \, ^{\circ}\text{C}$ to +45 $^{\circ}\text{C}$ Storage temperature $-10 \, ^{\circ}\text{C}$ to +70 $^{\circ}\text{C}$ Humidity $10\% \, ^{\sim}$ 90%, non-condensing

Link Loss Forward

Tx To Fibre

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

Fibre to Tx

If Fibre port link is broken, the
media converter will force the TX

port to link down.

Mechanical

Dimensions 6HP x 4U x 167mm

Power requirements

Standalone DC 12V/0.7A





COE Limited · Photon House · Percy Street · Leeds LS12 1EG

Tel:+ 44 113 230 8800 · Fax:+ 44 113 279 9229

DDI: + 44 113 230 8801 · Email: sales@coe.co.uk

www.coe.co.uk

