

POF Media Converter

The FECON-01X is 10/100Base-TX UTP (Unshielded Twisted Pair) to 100Base-FX POF (Plastic Optical Fiber) converter. The FECON-01X includes Ethernet (RJ-45) connectors and Optolock POF transceivers. It supports full-duplex and high-speed data transmission in POF interface. LED indicators are used to display power status of converter, link/ active status of FX port and link/ active status of RJ-45 port. This product is really plug-and-play and requires no additional settings. The FECON-01X series are fully compatible for IEEE 802.3u Fast Ethernet data communication standard. Their solutions are in any Fast Ethernet LAN, FTTH or xDSL application. OptoLock® is a registered trademark of Firecomms.

Features:

- fully comply with IEEE 802.3u, 10/100Base-TX and 100Base-FX
- transmit signal up to 50 meters POF that meet IEEE 1394b Std.
- support 10Mbps/ 100Mbps and full/ half-duplex operation at RJ-45 port
- support 100Mbps and full duplex operation at Optolock port
- plug-and-play and easy installation

Application:

- Ethernet LAN

Optolock POF Transceiver Module

COMOSS OLKDX is a plugless digital-to-optical transceiver module that is fully compatible for IEEE 802.3u Fast Ethernet data communication standard. OLKDX with smaller housing provides a novel termination solution for bare plastic optical fiber (POF). OLKDX owns cheaper, quicker and easier feature in POF network solutions. OLKDX allows a bare POF cable that is cut into any expected length by COMOSS knife tools. The transmitter of OLKDX is combined with RCLED (Resonant Cavity Light Emitting Diode) and integrated CMOS IC that meets LVDS (Low Voltage Differential Signal) and CML (Current Mode Logic). The receiver of OLKDX is combined with PIN photo diode, integrated TIA (Transimpedance Amplifier) and LA (Limiting Amplifier) IC that also meets LVDS and CML. Therefore, OLKDX is able to use in Fast Ethernet Hub ports directly. Its applications involve in PCs, consumer electronic devices, digital home network and embedded car network.

Features:

- no connector necessary
- small housing
- RCLED transmitter
- receiver including TIA and LA

Application:

- fast ethernet



hand POF cutter

