
MLS-32X Series

224 Mbps Ethernet over Coax



This modem is the EOC (Ethernet Over Coax Network) bridge that efficiently extends 10/100 Ethernet circuits framework to Coaxial-Networking LAN for Internet and Intranet access. over 900 meters(2,952feet) at 192Mbps using existing coaxial wire. This modem will allow Ethernet connectivity in existing facilities without pulling extra cable. This is perfect solution to Ethernet on the factory floor where systems have been upgraded from slower serial communication to Ethernet networking. Installation is easy with a single switch setting. One end is set for local and the other remote. This modem is used in Coaxial wire to extend Ethernet connectivity over existing CCD/CATV grade Coaxial wire.

Features

- High-Speed 224Mbps communications link over existing Coaxial Cable, Asymmetrical on EOC
- 192Mbps@ up to 900 meters(2,952feet), reach down to 64Mbps @ about 1.2Km(4,000feet)
- Operates transparent to high layer protocols such as TCP/IP
- Auto-MDIX and Auto-sensing 10Base-T or 100Base-TX and Full or Half-Duplex on the Ethernet port
- Plug and Play design for simple installation
- Status LEDs for simple monitoring of the device and connection status
- QoS Priority Mapping Support

Ordering Information

- MLS-323g (Master of MxU) 2 port 10/100/1000 TX Ethernet Extender over Coaxial Cable (1:60)
- MLS-328g (Master of MxU) 4 port 10/100/1000 TX, 4 Master, 1 Fiber CWDM SFP
- MLS-322 (CPE of MxU) 2 port 10/100 TX Ethernet Extender over Coaxial Cable(unmanager)

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- MLS-322g (Manager Type CPE of MxU) 2 port 10/100 TX Ethernet Extender over Coaxial (Support Web, SNMP, VLAN, Port Bandwidth Controller ,Profile Manager,etc.)

Specifications

● Standards

- IEEE802.3 10BASE-T, 10Mbit/s
- IEEE802.3u 100BASE-TX, Fast Ethernet at 100Mbit/s, Auto-negotiation
- IEEE802.3x Full Duplex and Flow Control

● Connectors

- Fast Ethernet : Two RJ45 Connectors
- Coax : Two F-Type Female Coax Connectors , One for EOC , the other for TV

● Transmission Speed and Distance

- Up to 192Mbps@900 meters
- Up to 4000 Feet (-176dBm/Hz Noise Floor)

● Fast Ethernet Interface

- 10/100 Mbps (10/100/1000 for MLS-323g Master of MxU)
- MDI/MDI-X Auto Crossover

● Indicators

- Power LED
- STB Link/Act LED
- LAN Link/Act LED
- Coax Link/Act , SyncMode LED

● Environmental Conditions

- Operating Temperature : 0 °C ~ 55 °C (32 °F ~ 131 °F)
- Storage Temperature : -10 °C ~ 65 °C (14 °F ~ 149 °F)
- Operating Humidity : 10 % ~ 90 % , Non-condensing

● Power Requirement

- External Power Supply : 12V DC
- Power Consumption : < 5 Watts (CPE version)

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- **Emissions Compliance**

- FCC part 15 Class B, CE Mark

- **Application**

- Extend LAN connectivity to a remote site or between buildings
- Connect Ethernet over the different Room over existing house's Coaxial infrastructure
- Connect new controller technology on the factory floor using existing wiring
- Extend Ethernet connectivity from a backbone network to an isolated location via Coaxial wire
- Transmit Video and traffic controller information over existing Coaxial wire

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