

# MLS-200



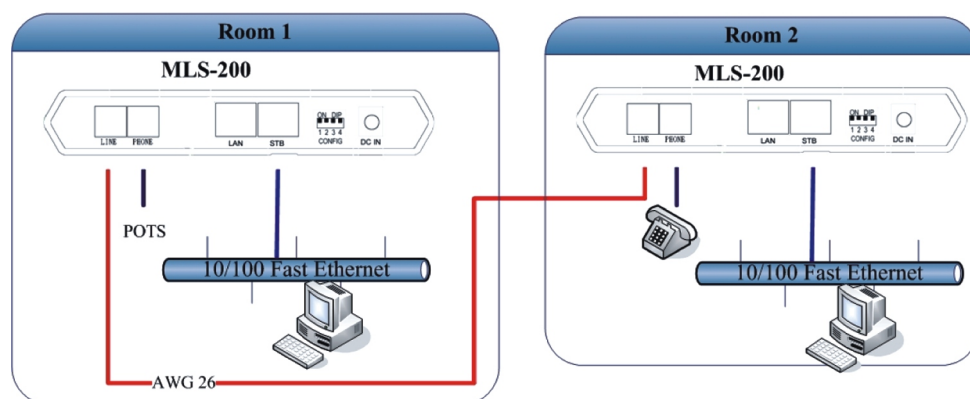
**MLS-200** is the EoDSL(Ethernet over DSL Network) bridge that efficiently extends 10/100 Ethernet circuits to 2 wire-Networking LAN for Internet and Intranet access. Over 915 meters (3,000feet) at 50Mbps using existing phone wire. This modem will allow Ethernet connectivity in existing facilities without 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 phone wire to extend Ethernet connectivity over existing phone grade phone wire.

## Key Features

- ◆ High-Speed 100 / 95Mbps communications link over existing phone line cable, Asymmetrical on EoDSL
- ◆ 50Mbps @ 915 meters (3,000feet), reach down to 20Mbps @ about 1.7Km(5,600feet)
- ◆ 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, single DIP switch for configuration.
- ◆ Status LEDs for simple monitoring of the device and connection status

## Applications

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



# MLS-200

## 1WAN, 2 \*10/100 TX Ethernet Extender over Copper Line

### Technical Specifications

#### Network 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

#### Protocol:

- ◆ Transparent to higher layer protocols

#### Connectors:

- ◆ Fast Ethernet : Two RJ45 Connectors
- ◆ RJ11 : Two RJ11 Female Connectors , One for Link line , the other for Phone

#### Transmission Speed and Distance:

- ◆ Within a distance of 300 meters maximum speed of 100Mbps
- ◆ Up to 5,600 Feet (-176dBm/Hz Noise Floor)

#### Fast Ethernet Interface:

- ◆ 10/100 Mbps
- ◆ MDI/MDI-X Auto Crossover

#### Network Management:

- ◆ Diagnosis of DSL link function
- ◆ Line SNR select
- ◆ Line Interleave protect
- ◆ CO/CPE side select able
- ◆ Band Plan profile select able

#### Indicators:

- ◆ Power LED
- ◆ STB Link/Act LED
- ◆ LAN Link/Act LED
- ◆ Line CPE/CO LED
- ◆ Line Link/Act 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/1A
- ◆ Power Consumption : < 4 Watts

#### Physical Dimension:

- ◆ 155mm(W) x 83mm(D) x 30mm(H)

#### Unit Weight:

- ◆ 300 g

#### Emissions Compliance:

- ◆ FCC part 15 Class B, CE Mark

### Ordering Information

**MLS-200:** 1WAN, 2 \*10/100 TX Ethernet Extender over Copper Line

**MLS-200C:** 1WAN, 2 \*10/100 TX Ethernet Extender over Coax Line

**MLS-202/C:** 2WAN, 4\*10/100 TX Ethernet Extender over Copper/Coax Line

Email: [more\\_info@mlinksys.com](mailto:more_info@mlinksys.com)

Email : [more\\_info@mlinksys.com](mailto:more_info@mlinksys.com)