

# Fiber optic Gigabit Ethernet Transceiver

## Model CL-1250

## Model CL-1250C



CL-1250 is a Gigabit Ethernet transceiver that repeats optical signals between two fiberoptic ports. The CL-1250 can convert signals between multimode and singlemode fiberoptic cable or it can act as a singlemode repeater. CL-1250 can be configured to transmit over one or two fiber strands. The CL-1250 expands network data transmission distances beyond the 2km limitation of multimode optical fiber to a maximum of 110km by transmitting over singlemode fiberoptic cable in full duplex mode. The CL-1250 has easy-to-read diagnostic LED's for continuous status reports on network speed, duplex media access control connection, and network traffic. The CL-1250 uses standard SC or SC/APC fiberoptic connectors and is IEEE 802.3z 1000BASE-FX compliant and operates with all devices that adhere to this standard.

The CL-1250C is a Gigabit Ethernet transceiver that repeats optical signals between two fiberoptic ports. The CL-1250C can convert signals between RJ-45 Gigabit Ethernet connections and singlemode fiber optic. CL-1250C can be configured to transmit over one or two fiber strands. The CL-1250C expands network data transmission distances beyond 100m limitation of twisted pair to maximum 110km by transmitting over singlemode fiberoptic cable in full duplex mode. The CL-1250C has easy-to-read diagnostic LED's for continuous status report on network speed, duplex media access control connection and network traffic. The CL-1250C uses standard SC or SC/APC fiberoptic connectors and is IEEE 802.3z 1000BASE-FX compliant and operates with all devices that adhere to this standard.

## Features CL-1250

- 1000 Mbps Full Duplex Gigabit Ethernet Transceiver
- 1 x 1000BASE-FX LAN Fiber Port (multimode or singlemode optics)
- 1 x 1000BASE-FX WAN Fiber Port (singlemode optics 1310, 1550, CWDM, DWDM)
- 110km Transmission Range
- 1 or 2 Fiber Strand Transmission
- Provide full wire-rate 2000 Mbps Duplex Transmission for greater network performance
- Plug-n-Play Gigabit Ethernet Mode Converter or Singlemode Repeater,
- IEEE 802.3z compliant
- Guaranteed switch performance and hardware compatibility with other switches, hubs and adapters

## Features CL-1250C

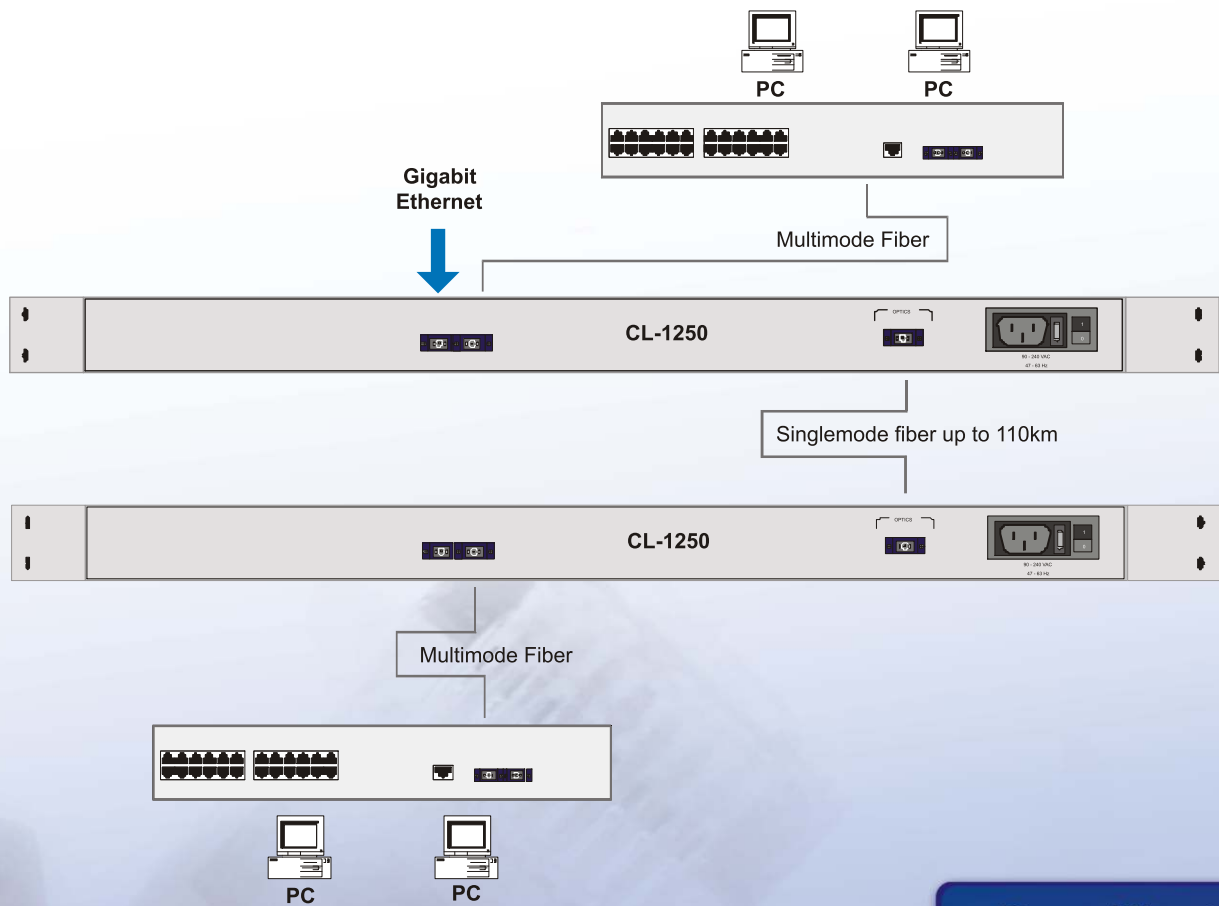
- 1000 Mbps Full Duplex Gigabit Ethernet Transceiver
- 1 x 1000BASE-FX LAN Fiber Port (multimode or singlemode optics)
- 1 x 1000BASE-FX WAN Fiber Port (singlemode optics 1310, 1550, CWDM, DWDM)
- 110km Transmission Range
- 1 or 2 Fiber Strand Transmission
- Full wire-rate 2000 Mbps Duplex Transmission for greater network performance
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- Guaranteed Switch performance and hardware compatibility with other switches, hubs and adapters

## Model Selection

<b>CL-1250-1S-SCA-40</b>	1000BASE Fiberoptic Gigabit Ethernet Transceiver/Receiver, 2 Port, 1 Fiber, SC/APC Connector, 40km
<b>CL-1250-1S-SCA-80</b>	1000BASE Fiberoptic Gigabit Ethernet Transceiver/Receiver, 2 Port, 1 Fiber, SC/APC Connector, 80km
<b>CL-1250-1S-SCA-110</b>	1000BASE Fiberoptic Gigabit Ethernet Transceiver/Receiver, 2 Port, 1 Fiber, SC/APC Connector, 110km
<b>CL-1250C-1S-SCA-40</b>	1000BASE Fiberoptic Gigabit Ethernet Transceiver/Receiver, 2 Port, 1 Fiber, SC/APC Connector, 40km
<b>CL-1250C-1S-SCA-80</b>	1000BASE Fiberoptic Gigabit Ethernet Transceiver/Receiver, 2 Port, 1 Fiber, SC/APC Connector, 80km
<b>CL-1250C-1S-SCA-110</b>	1000BASE Fiberoptic Gigabit Ethernet Transceiver/Receiver, 2 Port, 1 Fiber, SC/APC Connector, 110km

Other Connectors and Distances Available Upon Request

## Example Application



## Specifications

<b>Standards</b>	IEEE 802.3z 1000BASE-FX Gigabit Ethernet (CL-1250, CL-1250C) IEEE 802.3ab 1000BASE-T (CL-1250C)
<b>Connection Ports</b>	2 Fiber Port Transceiver: SC/PC or SC/APC
<b>Network Media</b>	62.5/125 microns multimode fiber cable 9/125 micron singlemode fiber cable
<b>LED Indicators</b>	Gig E: Power, Link
<b>Physical Dimensions</b>	480mm x 225mm x 44mm
<b>Environment</b>	Operating temperature: 0°C to 50°C Storage temperature: -20°C to 70°C Operating humidity: 10% to 90% RH Storage humidity: 5% to 90% RH
<b>Input Power Requirements</b>	Voltage: 110/240V Auto-sense Internal Power
<b>Regulatory Compliance</b>	FCC Part 15 Class A, CE, UL, CUL, TUV