

Fiberoptic Gigabit Ethernet, Video/Audio, HDTV Multiplexer



Model **CL-1250V**

Model **CL-1250VHD**

CL-1250V multiplexes a Gigabit Ethernet transceiver with Audi/Video Multiplexer. The Video/Audio multiplexer may be configured for one baseband video and 2 channels of audio. Up to 4 audio channels may be ordered. The CL-1250V can be configured to transmit over one or two fiber strands. It has easy-to-read diagnostic LED's for continuous status reports on network speed, duplex media access control connection, and network traffic. The CL-1250V 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.

CL-1250VHD multiplexes a Gigabit Ethernet (GIG-E) transceiver with a Video/Audio Multiplexer. The Video/Audio multiplexer may be configured for one baseband video and 2 channels of audio and one high speed data channel, such as SMPTE 310M or DVB-ASI. The CL-1250VHD can be configured to transmit over one or two fiber strands. It has easy-to-read diagnostic LED's for continuous status reports on network speed, duplex media access control connection, and network traffic. The CL-1250VHD 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-1250V

- 1000 Mbps Full Duplex Gigabit Ethernet Transceiver
- 1 x 1000BASE-FX LAN Fiber Port (multimode or single-mode optics)
- 1 x 1000BASE-FX WAN Fiber Port (singlemode optics 1310, 1550, CWDM, DWDM)
- 1 or 2 Video Ports configured for baseband video and stereo audio
- Video ports support composite video/audio signals
- 4 x Audio channels optional
- 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 Single-mode Repeater, IEEE 802.3z compliant
- Bidirectional Transmission available

Features CL-1250VHD

- 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)
- 1 x Video Multiplexer Port configured for baseband video and stereo audio
- 1 x High Speed Data channel for DVB-ASI or SMPTE 310M
- 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
- Bidirectional Transmission available

Model Selection

CL-1250V-1S-1V-2A-SCA-40

Fiberoptic Gigabit Ethernet Transceiver + 1 Video/2 Audio
1 Fiber, SC/APC Connector, 40km

CL-1250V-1S-1V-2A-SCA-80

Fiberoptic Gigabit Ethernet Transceiver + 1 Video/2 Audio
1 Fiber, SC/APC Connector, 80km

CL-1250VHD-1S-1V-2A-ASI-SCA-40

Fiberoptic Gigabit Ethernet Transceiver + 1 Video/2 Audio/DVB-ASI
1 Fiber, SC/APC Connector, 40km

CL-1250VHD-1S-1V-2A-ASI-SCA-80

Fiberoptic Gigabit Ethernet Transceiver + 1 Video/2 Audio/DVB-ASI
1 Fiber, SC/APC Connector, 80km

CL-1250VHD-1S-1V-2A-SMPTE-SCA-40

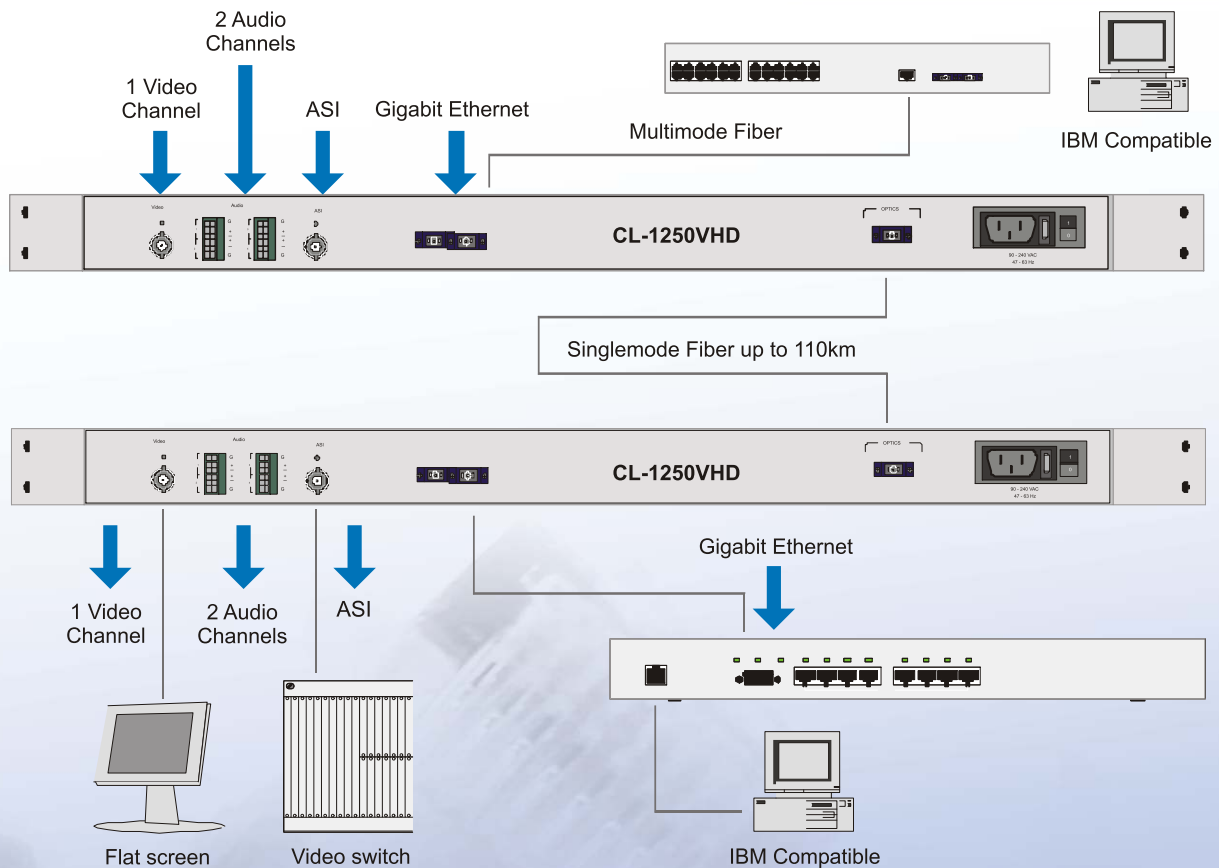
Fiberoptic Gigabit Ethernet Transceiver + 1 Video/2 Audio/SMPTE 310M
1 Fiber, SC/APC Connector, 40km

CL-1250VHD-1S-1V-2A-SMPTE-SCA-80

Fiberoptic Gigabit Ethernet Transceiver + 1 Video/2 Audio/SMPTE 310M
1 Fiber, SC/APC Connector, 80km

Other Connectors and Distances Available Upon Request

Example Application



Specifications

Standards	IEEE 802.3z 1000BASE-FX Gigabit Ethernet Video: NTSC, PAL, SECAM
Connection Ports	2 Fiber Port Transceiver: SC/PC or SC/APC Video: BNC, 75 ohm, Audio: Terminal Block, HDTV: BNC
Video Specifications High Speed Data Channel	SNR > 67 dB, dP < 1 degree, dG < 1% DVB-ASI@270 Mbps, SMPTE 310M@19.4 Mbps (CL-1250VHD)
Network Media	62.5/125 microns multimode fiber cable 9/125 micron singlemode fiber cable
LED Indicators	Gig E: Power, Link Video: Power, Link
Physical Dimensions	480mm x 225mm x 44mm
Environment	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
Input Power Requirements	Voltage: 110/240V Auto-sense Internal Power
Regulatory Compliance	FCC Part 15 Class A, CE, UL, CUL, TUV