CL114M

Ethernet Media Converter
4 x 100M Coaxial (Master)

Vi-LinK
Fiber Optic Communications

Overview

The CL114M is an Industrial Ethernet Over 4 Coaxial (802.af) Cables Extender. It provides one 10/100M electrical RJ45 ports (PoE) for connecting to the main Ethernet network in the operation center and 4 BNC connectors for connecting to the CL114S devices at the remote location(s). It is designed to transmit/receive both TX Ethernet data and RX Ethernet data over 2 Km coaxial cables. The CL114M meets the various point-to-point and point-to-multipoint industrial applications and provide a wide range of industrial Ethernet network communication solution , including linking multiple remote traffic intersections to the Traffic Operation Center.

With the plug and play feature, the CL114M can be used immediately without the need of configuration and is also compliant with all kinds of IP network protocols. If there is a network disconnection, it can be re-connected in less than 5 seconds.

Applications include ITS Intelligent Traffic Control System, Homeland Security, Metro & Railroad Systems, Oil & Gas Monitoring System, Utility Management, Premise Networks, Military Hardened applications or anything requiring high quality Data Transmission performance.

Features

- *Local Unit (Master)*
- *1 x 10/100M TX Ethernet Port*
- *4 x 100M BNC Ports*
- *Supports 802.3af/at PoE PSE*
- *4 x BNC (44 ~ 56 VDC) Power Input and Ethernet Data*
- *Supports Power Over Ethernet PSE, PoE Injector*
- *Eliminates Power Cabling via Power Over Coaxial*
- *Supports PoE Power up to 25 watts*
- *Auto Detects Remote Powered Device*
- *Temperature: NEMA*

Applications

- *ITS Traffic Applications*
- *CCTV IP Cameras Monitor*
- *Internet Of Thing*
- *SCADA Networks*
- *Metro Networks*
- *Gas & Oil Fields Monitoring Applications*
- *Railroad Networks*
- *Military Applications*
- *Data Acquisition Applications*

Order Information

Model	Descriptions
CL114M	Coaxial Ethernet Media Converter (Master Unit), 1 x 100M BNC, 2 Km, 1 x 10/100M-TX RJ45 , +44 ~56 VDC

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Technical Specifications

CL114M

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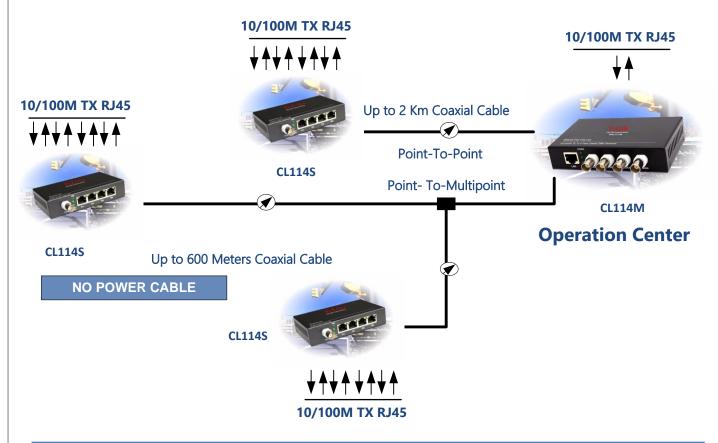
CL Series

Specifications

System:

Network Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-T IEEE 802.3at/af PoE PSE
LED Indicators	PWR, LINK, ACT, POE

Environment:

Operating	-34^0 C to $+74^0$C
Storage	-40^0 C to $+85^0$C
Humidity	98% Non-Condensing

Physical:

Dimension	4" x 3" x 1.5"
Power Requirement	44 ~ 56 VDC @ 0.5 Amp

TX Interface:

Port	1 RJ45
Data Rate	10/100 Mbps
TX Port	Auto-MDI/MDIX
Transmission Mode	Half/Full Duplex
Frame Size	1522 Bytes Max
PoE Output Power	56 VDC @ 600 mA Max
Distance	100 Meters @Cat5/Cat6

Coaxial Interface:

Port	4 x 75 Ohms BNC
Power Input	37 ~ 56 VDC
Data Rate	93 Mbps Max (Upload/Download)
Distance	600 Meters with PoE

Application

10/100M TX RJ45

10/100M TX RJ45

10/100M TX RJ45

Up to 2 Km Coaxial Cable

Point-To-Point

Point- To-Multipoint

CL114S

CL114S

CL114M

Operation Center

Up to 600 Meters Coaxial Cable

NO POWER CABLE

CL114S

10/100M TX RJ45