



Product Description

The Vi-Link MC13 is the high-performance Ethernet-over-2-Wire Twisted-Pair extender that converts between twisted pair (UTP) cable for every kind of IP Ethernet application.

It offers the absolutely fastest data transmission speed over existing 2-wire twisted pair cable without the need of rewiring. On the UTP side, the MC13 uses a modular EIA / TIA 568 RJ-45 connector that supports CAT-5/5e or above wiring with the distance up to 100 meters (328 feet). On the 2-wire twisted pair cable side, the MC12 utilizes a terminal block connector that supports 100 Ohm 2-wire cable with the distance up to 2km.

It is ideal for extending the distance and signal conversion by transmitting the Ethernet data from the 2-wire twisted pair cable for any type of IP network device such as IP camera, wireless access point, NVR and digital signal.

Features

- Port Transmission Speed Up To 200Mbps
- Valid Data Flowing Rate Up To 80Mbps
- 2-Wire Twisted Pair Transmission Distance Up To 2 Km
- 10/100M Base-T RJ45
- Support QAM 16/64/256/1024, DQPSK, DBPSK and ROBO modulation technology.
- Support conformability transmission QoS, Multi cast and IGMP
- Adopt 128bits AES data encryption and Key management
- Adopt Peer-to-peer network framework
- Plug and Play
- Temperature: NEMA

Applications

- ITS Traffic Applications
- SCADA Networks
- Metro Networks
- Gas & Oil Fields Monitoring Applications
- Railroad Networks
- Military Applications
- Data Acquisition Applications

Ordering Information

Model	Descriptions
MC13	2-Wire Twisted Pair Ethernet Media Converter, 1 x 100M 2-Wire, 2 Km, 1 x 10/100M-TX RJ45 , +12 VDC

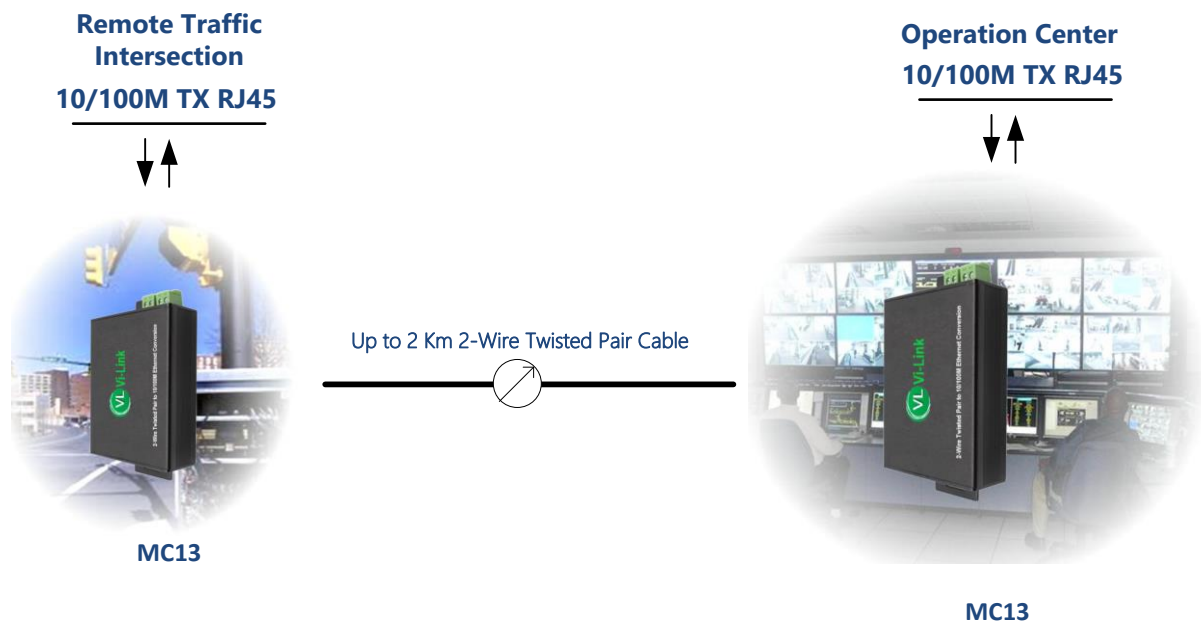
Network TV Equipment Series

Model MC13

System:	
Network Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-T IEEE 802.3at
LED Indicators	PWR, LINK, ACT, Coaxial
Security Technology	128-DES Data Encryption
Operating System	Window, Mac, Linux
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 2.6" x 1"
Power	+12 VDC @ 1 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
Distance	100 Meters @Cat5/Cat6
2-Wire Twisted Pair Interface:	
Port	1 x 100 Ohms 2-wire
Transmission Rate	200 Mbps
Transmission Band	2MHz to 28MHz
Transmission Distance	2 KM
Connector	Terminal Block

Application



Typical MC12 In Traffic Monitoring Application