Vi-Link
Fiber Optic Communications

Ethernet Media Converter
10/100M Twisted Pair Cables

ET100

Overview

The ET100 is an Industrial Ethernet Over 2-Wires Twisted Pair Cable Extender. It provides one 10/100M electrical RJ45 ports (PoE) for IP camera or IP wireless device (IoT) at the remote location(s) and 2-wires twisted pair cables for connecting to the local center. It is designed to transmit/receive both data and data over 2000 meters coaxial cable. The ET100 meets the various point-to-point 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 ET100 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

- *1 x 10/100M TX Ethernet Port*
- *1 x 100M 2-Wires Twisted Pair*
- *Supports Power Over Ethernet PSE, PoE I*
- *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
ET100	Twisted Pair Ethernet Media Converter, 1 x 100M 2-Wires Twisted Pair, 1.5 Km, 1 x 10/100M-TX RJ45 , +5 VDC

ET100

Technical Specifications

Vi-Link
Fiber Optic Communications

EE Series

Email: sales@vi-link.net - Tel: 714-312-0654 - Web: www.vi-link.net

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	+ 5 VDC Adapter

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

2-Wires Twisted Pair Interface:

Port	1 x 2-Wires Twisted Pair
Data Rate	100 Mbps Max
Distance	1.5 Km

Application

Operation Center

10/100M TX RJ45

10/100M TX RJ45

2-Wires Twisted Pair Cable

Up To 1.5 Km

ET100

ET100