Network Equipment Series

Model   ME12

Product Description

The Vi-Link ME12 is a Unmanaged Fast Ethernet Switch. It provides one 1000 Mbps fiber optic SC port and two 10/100/1000 Mbps electrical RJ45 ports. The ME12 is designed to meet the various industrial application needs and provide a wide range of Ethernet network communication solutions, including linking multiple remote traffic intersections to the Traffic Operation Center.

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 1000Mbps SC*
- *2 x 10/100/1000Mbps TX RJ45 Ports*
- *Automatic MAC address learning and aging*
- *Automatically support IGMP (Multicasting)*
- *10/100/1000 Mbps Auto-negotiation , auto-MDI-MDI-X*
- *Transmission Distance Up to 50 Km with Single Mode Fiber*
- *LED indicators for monitoring power/link/activity*
- *Supports 10/100/1000 Mbps-Full/Half-duplex*
- *Supports Wall-mount and DIN-Rail installation*
- *Supports Daisy-Chain connection*
- *Supports Broadcast Storm Control*
- *Super lightening protection, IP40 protection.*
- *Excellent heat elimination without cooling fan.*
- *NEMA operating temperature range.*

Applications

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

Ordering Information

Model	Descriptions
ME12SC03	Unmanaged Ethernet Switch, 1 x 1000M-SC,SM 1310nm, 50 Km, 2 x 10/100/1000M-TX RJ45 , +5 VDC *** Replace SC with LC for LC (SFP) Connector***

Vi-Link
Fiber Optic Communications
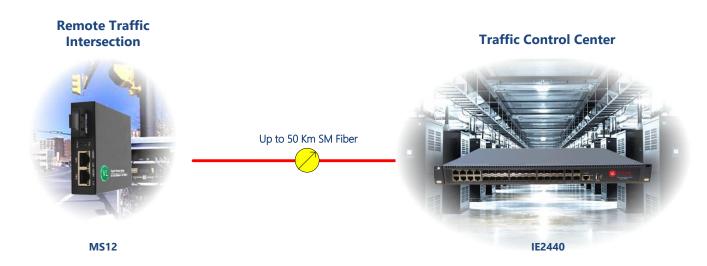
Technical Specifications

Network TV Equipment Series

Model MS12

System:

Network Standards	IEEE 802.3 10Base-T IEEE802.3i 10Bas-TIEEE 802.3u 100Base-TX IEEE802.3z 1000Base-X
Performance	1000 Mbps
Package Buffer	1 M
Package Forwarding	148800pps/port
MAC Address Table	8K
Forwarding Mode	Store and Forward
Indicators	Power, Link, Act

Physical:

Dimension	5" x 3.5" x 1.4"
Lighting Protection	IP40

Power:

Power	+5 VDC Power Adaptor

Fiber Interface:

Port	1
Data Rate	1000 Mbps
Connector	SC
Distances	20KM@1310SM, 50KM@1310SM, 80KM@1550SM

TX Interface:

Ports	2 TX RJ45
Data Rate	10/100/1000 Mbps
TX Port	Auto-MDI/MDIX
Transmission Mode	Half/Full Duplex

Environment:

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

Application

Remote Traffic Intersection

Traffic Control Center

Up to 50 Km SM Fiber

MS12

IE2440

Typical MS12 Ethernet Switch In Traffic Monitoring Application