



## Product Description

The Vi-Link ME42 is a Unmanaged Fast Ethernet Switch. It provides four 1000 Mbps fiber optic SFP port and two 10/100/1000 Mbps electrical RJ45 ports. The ME24 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

- 4 x 1000Mbps SFP
- 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 lightning 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
ME42LC03	Unmanaged Ethernet Switch, 4 x 1000M LC SFP, SM 1310nm, 50 Km per Fiber Link, 2 x 10/100/1000M-TX RJ45 , +5 VDC <small>*** Replace LC with SC for SC Connector***</small>

## Network TV Equipment Series

Model MS42

<b>System:</b>	
Network Standards	IEEE 802.3 10Base-T IEEE802.3i 10Bas-T/IEEE 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
<b>Physical:</b>	
Dimension	5" x 3.5" x 1.4"
Lighting Protection	IP40
<b>Power:</b>	
Power	+5 VDC Power Adaptor

<b>Fiber Interface:</b>	
Port	4
Data Rate	1000 Mbps
Connector	LC SFP
Distances	20KM@1310SM, 50KM@1310SM, 80KM@1550SM
<b>TX Interface:</b>	
Ports	2 TX RJ45
Data Rate	10/100/1000 Mbps
TX Port	Auto-MDI/MDIX
Transmission Mode	Half/Full Duplex
<b>Environment:</b>	
Operating	-34 <sup>0</sup> C to +74 <sup>0</sup> C
Storage	-40 <sup>0</sup> C to +85 <sup>0</sup> C
Humidity	98% Non-Condensing

## Application

**Remote Traffic Intersection**



**MS42**

Up to 50 Km SM Fiber



**Traffic Control Center**



**IE2440**

**Typical MS42 Ethernet Switch  
In Traffic Monitoring Application**