

Network Equipment Series

Model ME216



Product Description

The **Vi-Link ME216** is a Unmanaged Fast Ethernet Switch. It provides two 1000 Mbps fiber optic SFP ports and sixteen 10/100/1000 Mbps electrical RJ45 ports. The ME216 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

- 2 x 1000Mbps SC
- 16 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
ME216LC03	Unmanaged Ethernet Switch, 2 x 1000M LC SFP, SM 1310nm, 50 Km, 16 x 10/100/1000M-TX RJ45 , +5 VDC <small>*** Replace LC with SC for SC Connector***</small>

Network TV Equipment Series

Model MS216

System:	
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
Physical:	
Dimension	5" x 3.5" x 1.4"
Lighting Protection	IP40
Power:	
Power	+5 VDC Power Adaptor

Fiber Interface:	
Port	2
Data Rate	1000 Mbps
Connector	LC SFP
Distances	20KM@1310SM, 50KM@1310SM, 80KM@1550SM
TX Interface:	
Ports	16 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



MS216

Up to 50 Km SM Fiber



Traffic Control Center



IE2440

Typical MS216 Ethernet Switch In Traffic Monitoring Application