Vi-Link
Fiber Optic Communications

**Industrial
Unmanaged Ethernet Switch
4 x 10/100/1000M-TX
& 2 x 1000M-SFP**

Network Equipment Series

Model   IE24

Product Description

The Vi-Link IE24 is a Unmanaged Industrial Fast Ethernet Switch. It provides two 1000Mbps fiber optic SFP LC ports and four 10/100/1000Mbps electrical RJ45 ports. The IE24 is designed to meet the various industrial application needs and provide a wide range of industrial Ethernet network communication solutions, including linking multiple remote traffic intersections to the Traffic Operation Center. The IE24 supports DIN rail and panel mounting for installation in the industrial environment.

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 1000Mbps SFP*
- *4 Port 10/100/1000Mbps RJ45*
- *Automatic MAC address learning and aging*
- *Automatically support IGMP (Multicasting)*
- *10/100/1000Mbps Auto-negotiation , auto-MDI-MDI-X*
- *Transmission Distance Up to 50 Km with Single Mode Fiber*
- *LED indicators for monitoring power/link/activity*
- *Supports 10/100/1000Mbps-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.*
- *Redundant dual DC power inputs.*
- *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
IE24LC03	Unmanaged Industrial Fast Ethernet Switch, 2 x 1000M-SFP,SM 1310nm, 50 Km, 4 x 10/1000M-TX RJ45 , Dual 10~57 VDC *** Replace SFP with SC for SC Connector***

Network TV Equipment Series

Model IE24

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	6" x 5.2" x 1.85"
Lighting Protection	IP40
Installation	DIN Rail or Wall Mount

Power:

Power	2 x 10~57 VDC

Fiber Interface:

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

TX Interface:

Ports	4 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

Traffic Control Center

Remote Traffic Intersection

Up to 50 Km SM Fiber

IL24

IE2440

Typical IE24 In Traffic Monitoring Application