



Product Description

The EN2400 is a Managed Gigabit Ethernet Switch. It has four 1000 Mbps fiber optic SFP ports and twenty four 10/100 Mbps electrical ports. The EN2400 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 EN2400 also features powerful Web-based, CLI management capabilities, wide input range dual power supply and its support for DIN rail and panel mounting for installation in the industrial environment. "Fast Ring Protection" (FRP) is a proprietary technology that designed specifically for industrial applications, to provide a fast Ethernet ring protection and recovery within 20ms. From the management console, users can choose any port (normal Ethernet port or trunk port) to form an Ethernet ring for faster recovery and wider bandwidth.

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 1000M SFP Fiber Ports
- 24 x 10/100M TX Copper Ports
- 4 x TX COMBO
- Fast Ring Protection (FRP), Spanning Tree Protocol (STP) and Rapid Spanning Tree Protocol (RSTP)
- Support 802.1Q 4K VLAN, port based, protocol based VLAN, Generic Attribute Registration Protocol (GARP), GARP VLAN Registration Protocol (GVRP)
- Static and Dynamic port aggregation
- Port rate limit, broadcast storm control, port mirroring, rich Quality of Service (QoS) features
- Black hole MAC address filtering, static and dynamic MAC address management
- Rack Mountable
- 90 ~ 240 VAC Power Supply

Applications

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

Ordering Information

Model	Descriptions
EN2400	Managed Ethernet Switch, 4* 1000M LC SFP, 24* 10/100/1000M-TX RJ45 , 4* 10/100M TX COMBO, 1 RU 19" Rack, 90~240 VAC

Network TV Equipment Series

Model EN2400

System:	
Network Standards	IEEE 802.3 at PoE IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3z Gigabit SX / LX IEEE 802.3x Flow Control IEEE 802.3ad Port trunk w/ LACP IEEE 802.1w Rapid spanning tree IEEE 802.1p Class of service IEEE 802.1Q VLAN Tagging IEEE 802.1x Port Authentication
Network Management	Web-based, CLI
Protocols	IGMP1/v2, GVRP, SNMPv1/v2c/v3, DHCP, TFTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, SSH, SNMP inform, SNMP Server/Client
MIB	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1,2,3,9
Switching Architecture	Non-Blocking Sotre-and-Forward
Priority Queues	4
Address Table	8K MAC w/ Auto Learning
Packet Buffer size	2 Mbit
VLAN ID Range	VID 1 to 4094 @ Max 256 VLANs
Bandwidth Management	Static and Dynamic Ports Aggregation
Protection/ Redundant	Fast Ring Protection Recover <20ms
Physical:	
Dimension	5.5" x 4.5" x 2.5"
Power	

Fiber Interface:	
LX, FX Ports	4 SFP Ports
Data Rate	1000 Mbps
Connector	LC
Distances	20KM@1310SM, 50KM@1310SM, 100KM@1550SM
TX Interface:	
Ports	24 RJ45
Data Rate	10/100 Mbps
TX Port	Auto-MDI/MDIX
Transmission Mode	Half/Full Duplex
Network Management:	
Interface	Web Browser, CLI
Port Configuration	Port enable, Auto-Negotiation, Full and Half Duplex mode, Flow Control Enable, Bandwidth Control
VLAN	Port-Based / 802.1Q Tagged Based Generic Attribute Registration
Link Aggregation	Supports IEEE 802.3ad LACP
Data Traffic Control	Port rate limit, broadcast control, mirroring and QoS
Console Port	RS-232 – RJ45 Connector
Environment:	
Operating	-34 ⁰ C to +74 ⁰ C
Storage	-40 ⁰ C to +85 ⁰ C
Humidity	98% Non-Condensing

Application

