



◆ 16-port 10/100M Ethernet+ 8-port 100Base-FX Managed Switch

➤ Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
- MW-Ring ring network patent technology (Fault recovery time<20ms)
- Support RSTP, way exchange time<50ms
- Support static multicast, IGMP Snooping and GMRP
- Support Port based VLAN and IEEE 802.1Q VLAN
- Support QOS absolutely and opposite priority
- Support rate control, Broadcast storm control
- Support WEB, SNMP and Telnet configuration
- Support MAC address learning, aging automatic
- Support DHCP server and port frame statistics
- Support email warning and relay warning
- Support port status display, data update.
- Support configuration file up and download
- Support 1 channel relay alarm output
- Industrial grade 4 design, -40~75°C work temperature
- IP30 protection grade, 19-inch rack mounting
- No fan design



➤ Introduction

IES1024-8F is an industrial grade, managed and redundancy Ethernet switch which supports 16 Ethernet Ports and 8 Fiber ports. It provided some kinds of advanced network managed function, like as: MW-Ring redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade online. MW-Ring can bring your Ethernet to intelligent redundancy. Standard Industry design, can satisfied every requirement of the industry scene. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input.

Product complies with FCC and CE standards, in line with the industrial design requirements, for intelligent substation construction provides high-performance, high-quality products guaranteed. Support 1 channel power inputs and 1 relay alarm output, wide temperature range of -40~75°C to be able to meet the requirements of all kinds of industrial field, can be widely used in electric power, water conservancy, transportation, and other fields.

➤ Application

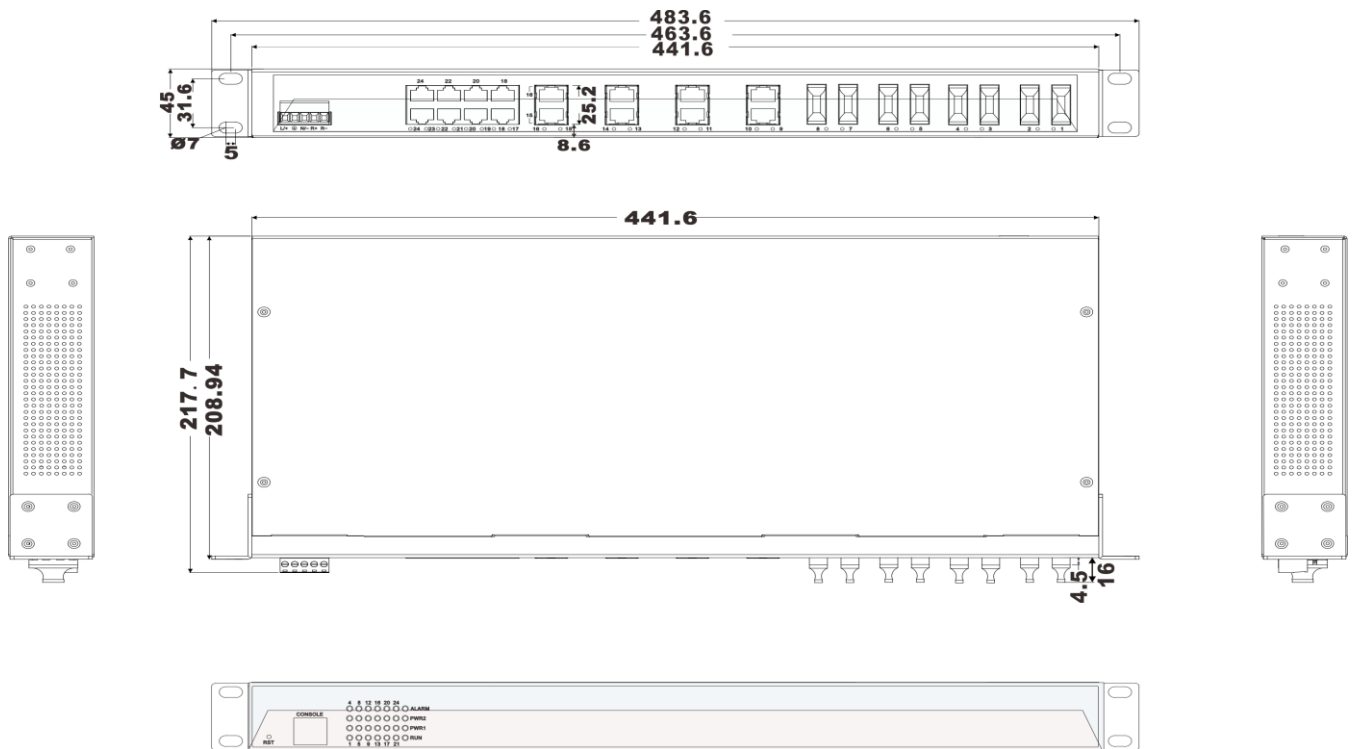
- Intelligent Transportation System
- Connection of Sub-network for Surveillance Center
- Power system applications
- High Way & Toll Station Surveillance
- Transformer Substation Communication System
- Oil of GPRS data acquisition system

➤ Specification

Technology	
Standard	Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W,
Protocol	ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, MW-Ring, RSTP, SNMP
Flow control	IEEE802.3x flow control, back press flow control
Function	
Switch function	MW-Ring, QOS, 802.1QVLAN, RSTP, SNMP, Port trunking, static multicast filter, port mirroring, bandwidth management, broadcast storm control, port flow statistics, upgrade online, up and download configuration file, user name access system
MW-Ring	Support Single, Couple, Chain, Dual homing
Exchange attribute	
100M forward speed	148810pps
100M maximum filter speed	148810pps
Transmit mode	store and forward
System exchange bandwidth	12.8G
MAC address table	8K
Memory	4M
Interface	
Electric port:	10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect
100M optic fiber port	100Base-FX, SC/ST/FC connector, support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm
Console port	debug serial port carry out CLI command
Alarm port	2 bit terminal block, 1 channel relay alarm output
Transfer distance	
Twisted cable	100M (standard CAT5/CAT5e cable)
Multi-mode	1310nm, 2/5Km
Single-mode	1310nm, 20/40/60Km, 1550nm, 80/100/120Km
LED indicator	
Run indicator	Run
Interface indicator	Link (1~24)
Power supply indicator	PWR
Alarm indicator	Alarm
Power supply	
Input Voltage	100~240VAC
Type of input	3 bits terminal block
Overload current protect	1.2A
Consumption	
No-load consumption	12.6W
Full-load consumption	15.3W
Working environment	
Working temperature	-40~75°C
Storage temperature	-40~85°C

Relative Humidity	5%~95 % (no condensation)
Mechanical Structure	
Shell	IP30 protect grade, metal shell
Installation	19" 1U rack
Size (W×H×D)	441.6mm×45mm×208.9mm
Industry Standard	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), Level 4 EN61000-4-3 (RS), Level 3 EN61000-4-4 (EFT), Level 4 EN61000-4-5 (Surge), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-8, Level 5
Shock	IEC 60068-2-27
Free fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Certification	CE, FCC, RoHS, UL508 (Pending)
Warranty	5 years

➤ Dimension



➤ Ordering Information

Model NO.	Description
IES1024-8F (M)	16 port 10/100Base-T(X) + 8 port 100Base-FX Multi-mode SC/ST/FC, 100-240VAC
IES1024-8F (S)	16 port 10/100Base-T(X) + 8 port 100Base-FX Single-mode SC/ST/FC, 100-240VAC
IES1024-8F (SS)	16 port 10/100Base-T(X) + 8 port 100Base-FX single-mode, single fiber SC/ST/FC, 100-240VAC

➤ Packing List

- Industrial Ethernet switch IES1024-8F (plus terminal block) ×1
- CD × 1
- User manual × 1
- Certificate of quality × 1
- Warranty card × 1
- Power cable × 1

