

# IES5024-12F

**12-port 10/100M Ethernet+ 12-port 100Base-FX (SC/ST/FC)****Managed Industrial Ethernet Switch**

## Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
- SW-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 deign



## Introduction

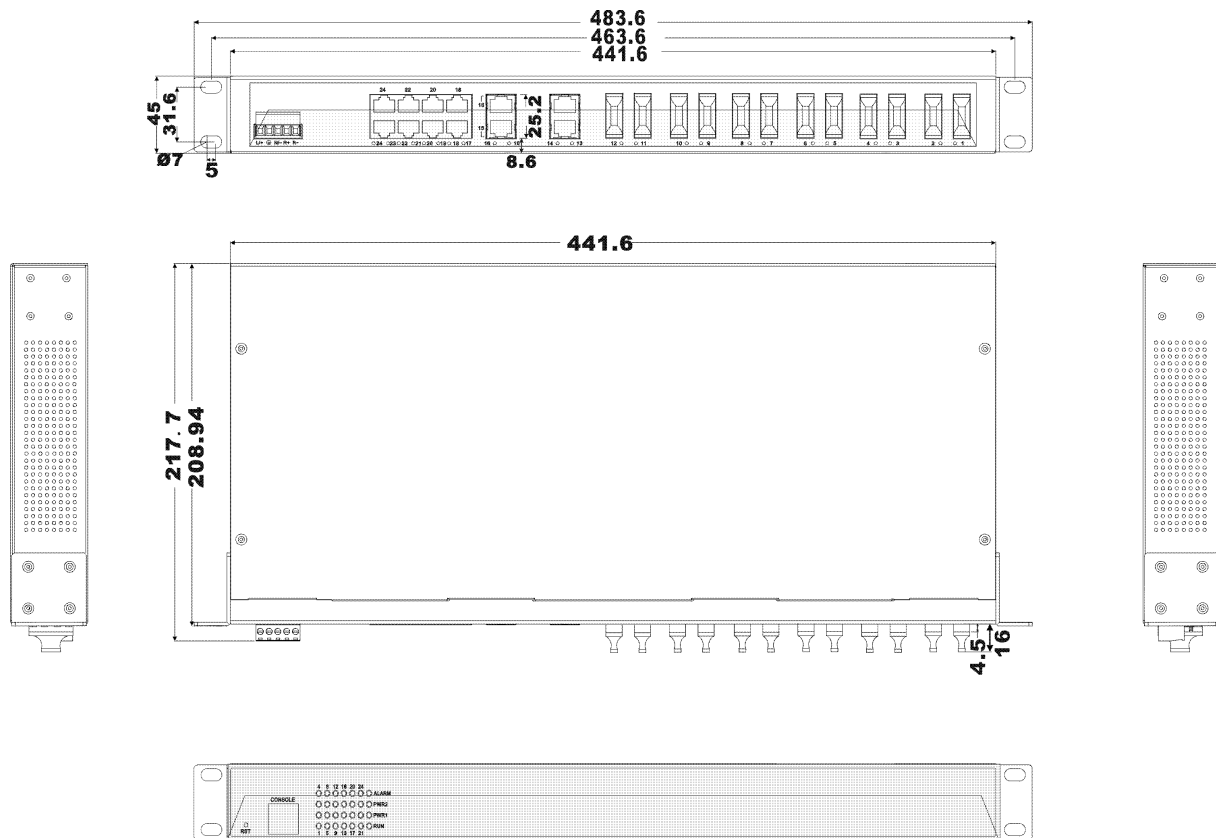
IES5024-12F is an industrial grade, managed and redundancy Ethernet switch which supports 12 Ethernet Ports and 12 Fiber ports. It provided some kinds of advanced network managed function, like as: SW-Ring redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade online. SW-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.

## Dimension

Unit (mm)



## 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, SW-Ring, RSTP, SNMP  
 Flow control: IEEE802.3x flow control, back press flow control

### Function

Switch function: SW-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  
 SW-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: 15.2W  
Full-load consumption: 17.9W

**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

**Ordering Information**

- IES5024-12F (M): 12 port 10/100Baes-T(X) + 12 port 100Base-FX Multi-mode SC/ST/FC, 100-240VAC
- IES5024-12F (S): 12 port 10/100Baes-T(X) + 12 port 100Base-FX Single-mode SC/ST/FC, 100-240VAC
- IES5024-12F (SS): 12 port 10/100Baes-T(X) + 12 port 100Base-FX single-mode, single fiber SC/ST/FC, 100-240VAC

**Packing List**

1. Ethernet switch IES5024-12F (plus terminal block) ×1
2. CD × 1
3. User manual × 1
4. Certificate of quality × 1
5. Warranty card × 1
6. Power cable × 1