

# IES1024-4F

20-port 10/100M Ethernet+4-port 100Base-FX (SC/ST/FC)

Unmanaged Industrial Ethernet Switch

## Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x
- Store and Forward switching process type
- Plug-and-play, auto MDI/MDI-X connection
- 10/100BaseT(X)(RJ45)
- Support 8K MAC address
- Operating temperature range from -40 to 75°C
- Designed without fan
- IP30, rugged high-strength metal case
- 19-inch rack mounting



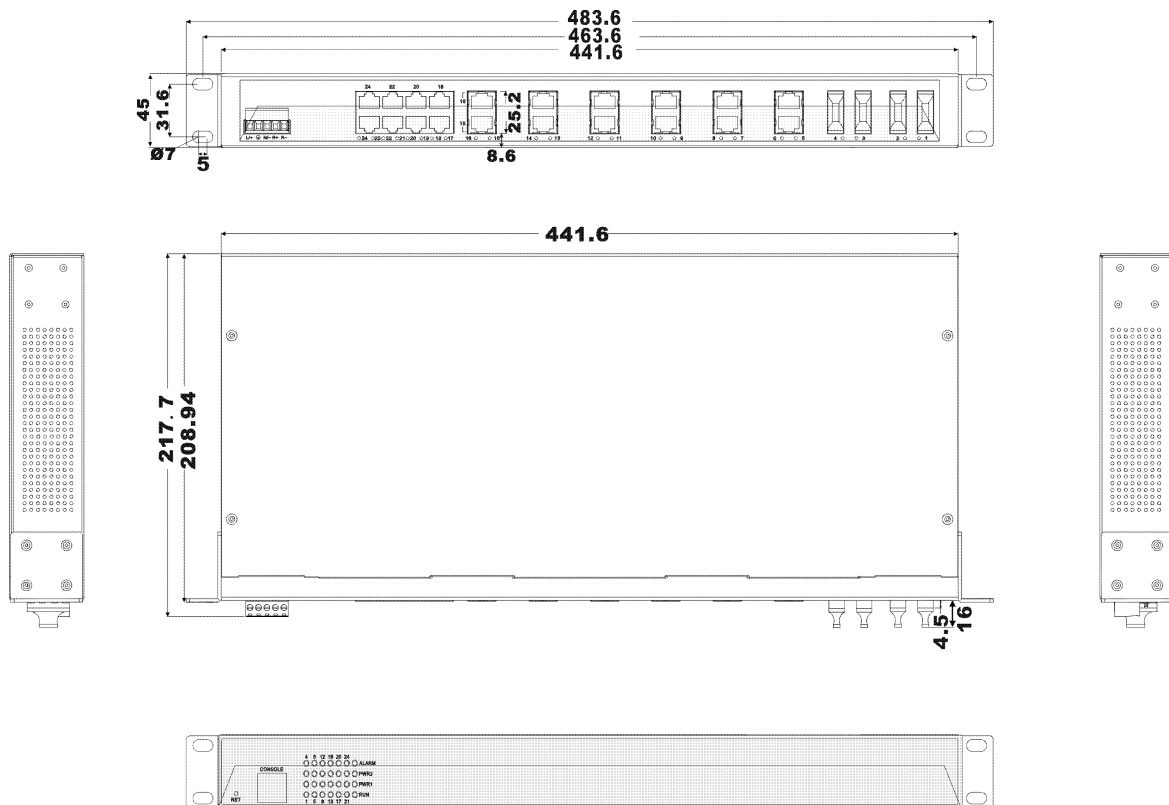
## Introduction

The IES1024-4F industrial Ethernet switches consists of 20 Ethernet ports and 4 Fiber ports that provide an economical solution for your industrial Ethernet connection. The IES1024-4F switches have an operating temperature range of -40 to 75°C, and are designed with

low consumption and without fan. The rugged hardware design makes the IES1024-4F perfect for ensuring that your Ethernet equipment can withstand the rigors of industrial applications.

## Dimension

Unit (mm)





## Specification

### Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE 802.3x,  
Flow control: IEEE802.3x flow control, back press flow control

### 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: Retain  
Alarm port: 2 bit terminal block  
1 channel relay alarm output  
Load ability: 5A@250VAC

### 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  
Overload Current Protection: 1.2A  
Connection: 3 bit terminal block

### Consumption

Unload consumption: 9.5W  
Full load consumption: 12.0W

### Working environment

Working temperature: -40~75℃  
Storage temperature: -40~85℃  
Relative Humidity: 5%~95% (no condensation)

### Mechanical Structure

Packaging: IP 30 protection, metal case  
Installation: 19-inch rack mount  
Dimensions (L×W×H): 441.6mm×208.9mm×45mm

### 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

IES1024-4F (M): 20 port 10/100Base-T(X) + 4 port 100Base-FX Multi-mode SC/ST/FC, 100~240VAC ;  
IES1024-4F (S): 20 port 10/100Base-T(X) + 4 port 100Base-FX Single-mode SC/ST/FC, 100~240VAC ;  
IES1024-4F (SS): 20 port 10/100Base-T(X) + 4 port 100Base-FX single-mode, single fiber SC/ST/FC, 100~240VAC.

## Packing List

1. Ethernet switch IES1024-4F (plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1
5. Power cable × 1