

# IES5024-12F

12+12 ports 10/100M Web Managed Industrial Ethernet Switch

## Features

1. Support 12pcs RJ45 fast Ethernet ports and 12pcs fiber ports (SC or ST)
2. Support SW-Ring(Patent technology) self-recovery time<20ms
3. Support IEEE802.1Q VLAN
4. Support IEEE802.1P QoS, support WRR
5. Support IGMP
6. Support port trunking and port mirror
7. Support WEB management, easy to management
8. DC110~220V or AC100~240V 3 bits terminal block power input
9. No fan, low consumption design.
10. IP30 protection, metal shell, 19" 1U standard rack



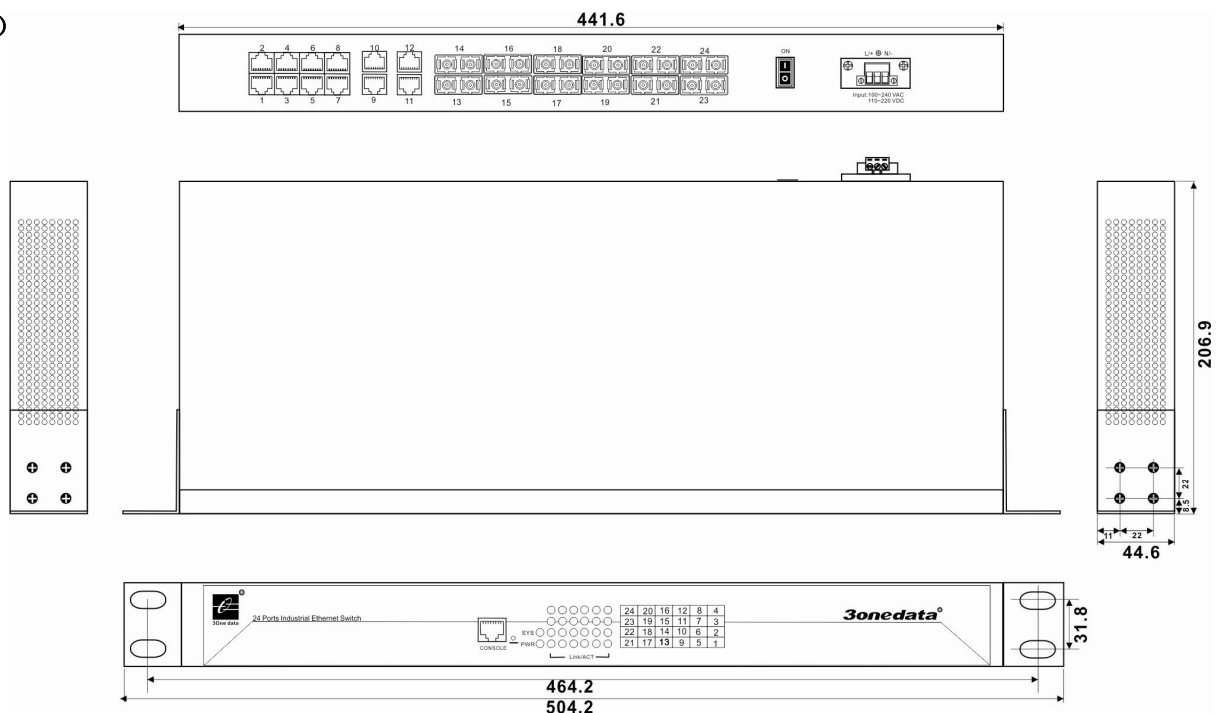
## Introduction

IES5024-12F is a type of plug-and-play industrial managed redundant Ethernet switch, which supports 12 10/100Base-T(x) + 12 100Base-FX interfaces. Adopt our patent technology SW-Ring for the purpose accomplishing redundancy for Ethernet ring network (self-recovery time < 20ms) to enhance the reliability of the network.

Furthermore, IES5024-12F can also support numerous intelligent network management functions, including QoS, VLAN, Port Trunking, velocity configuration and alarm enabling functions. To satisfy applications in different industrial environments, IES5024-12F can also provide wide temperature type in accommodation with limit temperature (-40 ~ 75°C)

## Dimension

Unit (mm)



## Specification

### Technology

Standard: IEEE802.3, IEEE802.3um, IEEE802.3x, IEEE802.3z, IEEE802.3ad, IEEE802.1D, IEEE802.1w, IEEE802.1Q, IEEE802.1p, IEEE802.1x

Flow control: IEEE802.3x

MAC address: 8K

### Interface:

RJ45 Ports: 10/100BaseT(X) auto connection, Full /Half duplex or force work mode, and support MDI/MDI-X connection

Fiber Ports: 100BaseFX ports (SC/ST optional)

Single-mode: 20, 40, 60, 80, 120Km, optional

Multi-mode: 2, 5Km, optional

Loading programme Port: Based serial network management (RS-232), RJ45

LED indicator: PWR, SYS, Link/ACT

### Power:

Input voltage: 110~220VDC (100~300VDC)  
Or 100~240VAC (85~264VAC)

Input current: 0.25A

Connector: 3 bits terminal block

### Environmental

Operating Temperature: -40 to 75°C

Storage Temperature: -45°C to 85°C

Relative Humidity: 10 to 95% (non-condensing)

### Mechanical

Shell: IP30 protection, metal case

Installation: 19" 1U rack

W×H×D: 441.6mm×44.6mm×206.9mm

### Approvals

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2(ESD), Level 4

EN61000-4-3(RS), Level 4

EN61000-4-4(EFT), Level 4

EN61000-4-5 (Surge), Level 4

EN61000-4-6 (CS), Level 4

EN61000-4-8, 100A/m

EN61000-4-12

Shock: IEC 60068-2-27

Free Fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

**Warranty: 5 years**

**Approvals: FCC, CE, RoHS approvals**

## Ordering Information

**IES5024-12F(SSC):** 12 ports 10-BaseT/100Base-TX, 12 ports single mode 100Base-FX, SC, DC110~220V or AC100~240V

**IES5024-12F(SST):** 12 ports 10-BaseT/100Base-TX, 12 ports single mode 100Base-FX, ST, DC110~220V or AC100~240V

**IES5024-12F(MSC):** 12 ports 10-BaseT/100Base-TX, 12 ports multi mode 100Base-FX, SC, DC110~220V or AC100~240V

**IES5024-12F(MST):** 12 ports 10-BaseT/100Base-TX, 12 ports multi mode 100Base-FX, ST, DC110~220V or AC100~240V