

# IT-ES1028-IU-4GS-8F

16-ports 10/100M Ethernet + 8-ports 100Base-FX(SC/ST/FC) +

4-ports Gigabit (SFP slot) Unmanaged Industrial Ethernet Switch

## Features

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



1

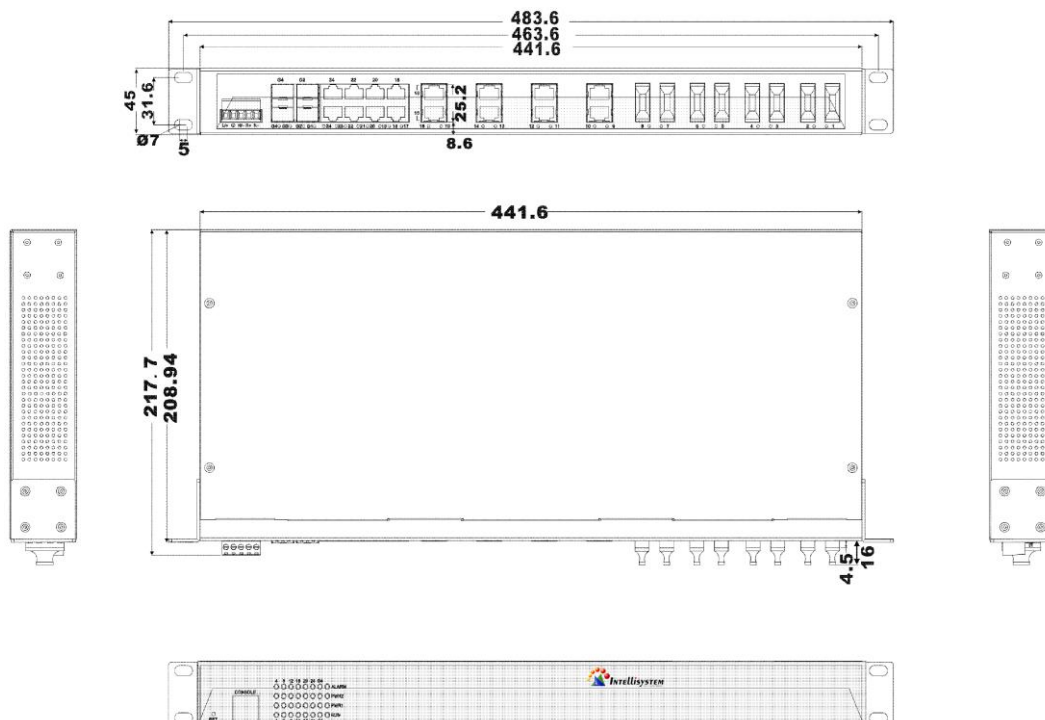
## Introduction

The IT-ES1028-IU-4GS-8F industrial Ethernet switches consists of 16 Ethernet ports, 8 Fiber ports and 4 Gigabit (SFP slot) ports that provide an economical solution for your industrial Ethernet connection. The IT-ES1028-IU-4GS-8F 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 IT-ES1028-IU-4GS-8F perfect for ensuring that your Ethernet equipment can withstand the rigors of industrial applications.

## Dimensions

Unit (mm)



## Specifications

### Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3z

Flow control: IEEE802.3x flow control, back press flow control

### Exchange attributes

100M forward speed: 148810pps

1000M forward speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 12.8G

MAC address table: 8K

Memory: 4M

### Interfaces

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

1000M fiber port: 1000Base-SX/LX/LHX/ZX (LC interface)

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 indicators

Run indicator: Run

Interface indicator: Link (1~24/G1~G4)

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: 12.1W

Full load consumption: 17.6W

### Working environment

Working temperature: -40~75°C

Storage temperature: -40~85°C

Relative Humidity: 5%~95% (no condensation)

### Mechanical Structure

Packaging: IP 30 protection, metal case

Installation: 19-inch racks mount

Dimensions (L×W×H): 441.6mm×208.9mm×45mm

### Industry Standards

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

### Certifications

CE, FCC, RoHS, UL508 (Pending)

**Warranty:** 5 years

## Ordering Informations

**IT-ES1028-IU-4GS-8F (M):** 20 ports 10/100Base-T(X) + 4 ports 100Base-FX Multi-mode SC/ST/FC + 4 ports gigabit (SFP slot), 100-240VAC

**IT-ES1028-IU-4GS-8F (S):** 20 ports 10/100Base-T(X) + 4 ports 100Base-FX Single-mode SC/ST/FC + 4 ports gigabit (SFP slot), 100-240VAC

**IT-ES1028-IU-4GS-8F (SS):** 20 ports 10/100Base-T(X) + 4 ports 100Base-FX single-mode, single fiber SC/ST/FC + 4 ports gigabit (SFP slot), 100-240VAC

## Packing List

1. Ethernet switch IT-ES1028-IU-4GS-8F (plus terminal block) x1
2. User manual x1
3. Certificate of quality x1
4. Warranty card x1
5. Power cable x1