

**IES1028-4GS-8F** 16-port 10/100M Ethernet+ 8-port 100Base-FX(SC/ST/FC)+4-port Gigabit (SFP slot)

**Unmanaged Industrial Ethernet Switch**

*Features*

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3z
- Store and Forward switching process type
- Support auto negotiation speed, F/H duplex mode, and auto send data control
- 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



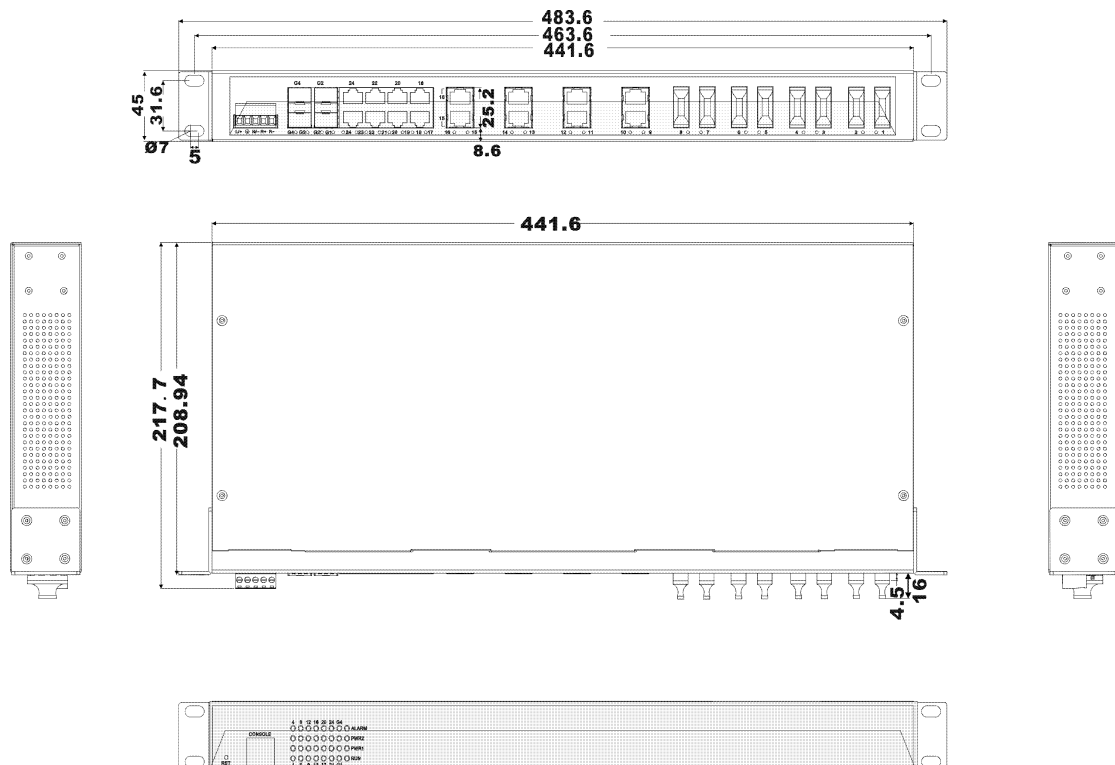
**Introduction**

The IES1028-4GS-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 IES1028-4GS-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 IES1028-4GS-8F 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, IEEE802.3z

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

### Exchange attribute:

100M forward speed: 148810pps

1000M forward speed: 1488100pps

100M maximum filter speed: 148810pps

1000M maximum filter speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 12.8G

MAC address table: 8K

Memory: 3M

### 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

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, 2Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

### LED indicator:

Run indicator: Run

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

Power supply indicator: PWR

Alarm indicator: Alarm

### Power supply

Input Voltage: 100~240VAC/DC

Overload Current Protection: 1.2A

Connection: 3 bit terminal block

### Consumption

Unload consumption: 10.9W

Full load consumption: 15.4W

### 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 racks 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

IES1028-4GS-4F (M): 20 port 10/100Base-T(X) + 4 port 100Base-FX Multi-mode + 4 port Gigabit (SFP slot), 100-240VAC/DC

IES1028-4GS-4F (S): 20 port 10/100Base-T(X) + 4 port 100Base-FX Single-mode + 4 port Gigabit (SFP slot), 100-240VAC/DC

IES1028-4GS-4F (SS): 20 port 10/100Base-T(X) + 4 port 100Base-FX single-mode, single fiber SC/ST/FC + 4 port Gigabit (SFP slot), 100-240VAC/DC



## Packing List

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1. Industrial Ethernet switch IES1028-4GS-8F (plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1
5. Power cable × 1
6. Rackmount ears × 2