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## 10-Port Full Gigabit Unmanaged Ethernet Switch, Model IESG S 108-2S/2F

### Feature



- Supports up to 10 ports, combination for RJ45 ports and Fiber ports
- Supports Ethernet port full/half-duplex, Auto MDI/MDI-X
- Built-in Store-and-Forward, 8K buffer
- Operating temperature: -40°C to 85°C
- IP40 protection
- Supports Alarm Relay function
- Supports Overload and Reverse polarity protection

### Overview

IESG108-2F/2S series are Unmanaged full Gigabit industrial Ethernet switches. It supports 2 Gigabit fiber ports & 8 Gigabit RJ-45 ports. This series switch is low power consumption; and the fanless design. The operating temperature range is from -40 to 85°C. With strong EMC compatibility, it provides safe and reliable solution for industrial automation, intelligent transportation, video transmission, and other industrial application networking.

### Specification

#### Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab

IEEE802.3x Flow control for Full Duplex & Back pressure flow control for Half Duplex

#### Ports

RJ45 port : 8x 10/100/1000Base-T(X), Auto MDI/MDI-X

Fiber port : 2x 1000Base-X (SC/FC/ST/SFP slot)

#### Transmission distance

Cat.5e : 100m

Fiber port

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

: 1550nm 20/40/60/80/100/120Km

Multi-mode : 1310nm 2Km

#### Switching performance

Forwarding rate

Gigabit port : 1488095pps

Transmission mode : Store and Forward

MAC address buffer : 16K

Switching bandwidth : 20G

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**Power requirement**

Voltage input : 12 to 48VDC (10.8 to 52.8VDC), Dual Supply  
                  : 110/220V AC/DC, Dual Supply  
Power consumption : 400mA@24Vmax

**Alarm contact** : 1 Relay output, NONC 1A @ 24VDC

**Mechanical characteristics**

IP rating : IP40  
Installation : DIN-Rail/wall-mounted  
Dimension : 150mm×47.6mm×100mm (H×W×D)

**Environment**

Operating temperature : -40°C to 85°C  
Storage temperature : -40°C to 85°C  
Relative humidity : 0 to 95% (non-condensing)

**Industrial standards tested for**

EMI: FCC Part 15, CISPR (EN55022) class A  
EMS:  
IEC(EN)61000-4-2(ESD)  
IEC(EN)61000-4-3(RS)  
IEC(EN)61000-4-4(EFT)  
IEC(EN)61000-4-5(Surge)  
IEC(EN)61000-4-6(CS)  
IEC 60068-2-27(Shock)  
IEC 60068-2-32(Freefall)

**Ordering Model Code : IESG S 108-\*F-XX00-YY-Z**

Model	10/100/1000 Base T Ports	1000Base FX Ports	1000 Base FX SFP Ports
IESG S 108-2S	8		2
IESG S 108-2FG-XX00-YY-Z	8	2	

XX : Fiber type  
      MM for Multimode, SM for Singlemode. Singlemode is by default  
00 : Fiber distance. 20Km by default  
YY : Fiber Connector  
      SC for SC Connector, ST for ST Connector, FC for FC Connector  
Z : Input Supply :  
      DC for 12/24/48 DC ( 10.8 to 52.8V ), Dual Supply  
      AC for 110/220V AC/DC, Dual Input

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**Dimension**

mm ± 1  
 (inch) ± 0.04

