

16 and 20 ports Unmanaged Giga Industrial Ethernet Switch, IESG S 1160, 116-4F, 116-4S



- ✓ Supports 20 ports, multiple combination for RJ-45 ports, Fiber / SFP ports
- ✓ Supports Full-duplex and Half-duplex, Auto MDI/MDI-X
- ✓ Supports Store-and-Forward
- ✓ Non blocking ports shorten the network delay
- ✓ Operating temperature: -40 to 85°
- ✓ MTBF > 500,000 hours
- ✓ IP40, fanless design, low power consumption
- ✓ Supports Power Alarm function

IESG S 116 series are full Gigabit Unmanaged industrial Ethernet switches. It supports up to 4 Gigabit fiber ports and 16 Gigabit RJ-45 ports. This switch is low power consumption and the fanless design prevents it from noise interference. The operating temperature range is from -40 to 85°C. This provides safe and reliable solution for industrial automation, intelligent transportation, video monitoring, and other industrial application networking access.

Specification

Standards & Protocols

Standards : IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z,
Flow control : IEEE802.3x Flow control for Full Duplex and Back Pressure flow control

Ports

Fiber port : Upto 4 of 1000Base-FX (SC/FC/ST) and Upto 4 Giga SFP Ports
RJ-45 ports : 16 of 10/100/1000Base-T(X), Auto MDI/MDI-X

Transmission Distance

Cat. 5e : 100m

Fiber

Single-mode : 1310nm 20/40/60Km
1550nm 20/40/60/80/100/120Km

Multi-mode : 1310nm 2Km

Switching Performance

Forwarding rate : 1,488,095pps
Transmission mode : Store-and-forward
MAC address buffer : 16K
Switching bandwidth : 40G

Power Requirement

Input Supply : 12/24/48 DC (10.8 to 52.8V)
: 110/220VAC (88 to 264VAC)/50-60Hz or 110/220VDC (88 to 264VDC)
: Supports Dual power input
Power Consumption : Full load : <15W

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Mechanical Characteristics

IP rating : IP40
Weight : 1600g
Installation : DIN-Rail

Dimension

Size (W*H*D) : 70mm*150 mm*120mm

Environment

Operating temperature : -40°C to 85°C
Storage temperature : -40°C~85°C
Relative humidity : 0~95% (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 116-4*-XX00-YY-Z-R

Model	10/100/1000 Base T Ports	1000Base FX Ports	1000 Base FX SFP Ports
IESG S 1160-Z	16		0
IESG S 116-4F-XX00-YY-Z	16	4	
IESG S 116-4S-Z	16		4

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
Z : **Input Supply**
: DC for 12/24/48 DC (10.8 to 52.8V) & AC for 110/220V AC/DC (88 to 264V)
: 12/24/48V DC is by default
R : Dual Power Supply. Single Supply is default.

Dimension

