

San Telequip (P) Ltd.,  
504 & 505 Deron Heights, Baner Road  
Pune 411045, India

Phone : +91-20-27293455, 9764027070, 8390069393    Connecting. Converting. Leading !  
email : [info@santelequip.com](mailto:info@santelequip.com)



## Rackmount Unmanaged Giga Industrial Ethernet Switch, IESGR S 10XX Series, 16/20/24/28 ports

### Feature



- Upto 28 ports, multiple combination for Ethernet and fiber ports
  - Supports different types of fiber ports, with optional ST/SC/FC/SFP slot
  - Ethernet port support full/half-duplex, auto MDI/MDI-X
  - Supports store-and-forward
  - Supports ESD level 4 & surge level 4 protection
  - Operating temperature: -40 to 85°C
  - MTBF > 500,000h
- Non-blocking, full line forwarding
  - IP40, fanless design
  - Supports Power Alarm

### Overview

IESGR S 10XX series are Unmanaged Giga Industrial Ethernet switches. It adopts modular design, meets different industrial communication requirements. This series adopt fanless design, without noise interference. The operating temperature range is from -40 to 85°C. Together with good EMC compatibility, it provides safe and reliable solution for industrial automation, intelligent transportation, video transmission, and other industrial application networking access.

### Specification

#### Standards & protocol

Standards : IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab

#### Ports

Fiber ports : 1000Base-X (SFP slot)  
RJ45 ports : 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 (Gigabit port)  
Transmission mode : Store-and-forward  
MAC address buffer : 8K  
Backplane bandwidth : 56G  
Buffer Memory : 12M  
Auto-Uplink Every Port

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#### Power requirement

Voltage input : 110/220VAC (88 to 264VAC)/50-60Hz or  
: 110/220VDC (88 to 264VDC)

This device supports Single power input, with Dual power redundant input as option

#### Power consumption

Rated power : 30W

#### Mechanical characteristics

IP rating : IP40  
Weight : <4440g  
Installation : Rackmount  
Dimension : 440mm×44mm×315mm (W×H×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 : IESGR S 10\*\*-\*S-ZZ-R/S

Model	10/100/1000 Base T Ports	1000 Base FX SFP Ports
IESGR S 108-8S-ZZ	8	8
IESGR S 1016-ZZ	16	
IESGR S 1016-4S-ZZ	16	4
IESGR S 1016-8S-ZZ	16	8
IESGR S 1016-12S-ZZ	16	12
IESGR S 1024-ZZ	24	
IESGR S 1024-4S-ZZ	24	4

**ZZ** : Input Supply  
: AC for 110/220V AC. DC for 110/220V DC. Range 88 to 264V for both options  
**R** : R for Dual Redundant Input. S for Single Power Input by Default

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### Dimension

