



## ES2010G Series

DIN-Rail Mounting

10-port Full Gigabit Layer 2 Unmanaged Ethernet Switch

- Support 2 Gigabit fiber ports, 8 Gigabit copper ports
- Input voltage: 12~48VDC, dual power supply, reverse polarity protection
- Support 0~55°C wide operating temperature range



RPS

## Introduction

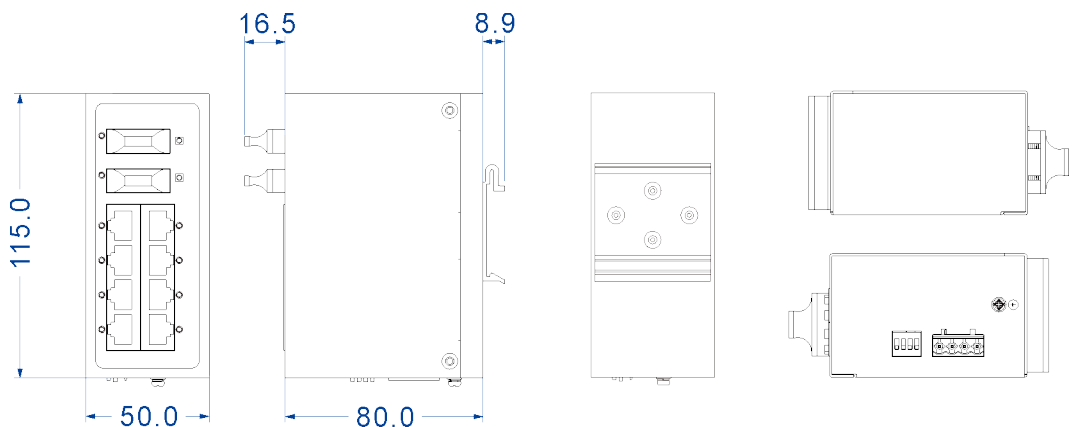
ES2010G series are 10-port full Gigabit layer 2 unmanaged Ethernet switches. This series include two types of products and provide Gigabit fiber port and Gigabit SFP slot. It adopts DIN-Rail mounting to meet the requirements of different application scenes.

Power supply input is two independent power supply circuits, which can ensure the device normal operation when one of the power supplies breaks down. DIP switch supports one-click configuration of flow control, fiber port aggregation and copper port isolation. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, rail transit, smart city, safety city, new energy, aerospace, intelligent manufacturing, military project and other industrial fields.

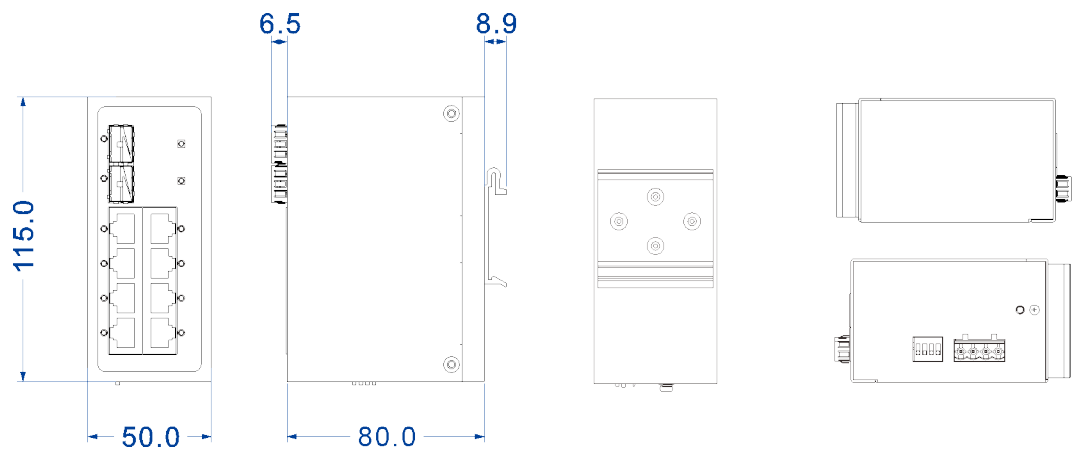
## Dimension

Unit:mm

- ES2010G-2GS



- ES2010G-2GF



## Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow Control									
Interface	Copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotuning Fiber port: 1000Base-FX, SC/ST/FC optional SFP slot: 1000Base-SFP									
LED Indicator	Power Supply Indicator, Port Indicator									
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 1Mbit Backplane bandwidth: 20G Switch time delay: < 10μs									
Power Requirement	12~48VDC, 4-pin 7.62mm pitch terminal blocks Dual power supply redundancy, reverse polarity protection									
Power Consumption	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #004a99; color: white;"> <th>Model</th> <th>No-load (@24VDC)</th> <th>Full-load (@24VDC)</th> </tr> </thead> <tbody> <tr> <td>ES2010G-2GS</td> <td>2.4W</td> <td>8.5W</td> </tr> <tr> <td>ES2010G-2GF</td> <td>3.9W</td> <td>8.1W</td> </tr> </tbody> </table>	Model	No-load (@24VDC)	Full-load (@24VDC)	ES2010G-2GS	2.4W	8.5W	ES2010G-2GF	3.9W	8.1W
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ES2010G-2GS	2.4W	8.5W								
ES2010G-2GF	3.9W	8.1W								
Environmental Limit	Operating temperature: 0~55°C Storage temperature: -10~65°C Relative humidity: 5% ~ 95% (no condensation)									

**Physical Characteristic**

Housing: IP30 protection, metal  
 Installation: DIN-Rail mounting  
 Dimension (W x H x D): 50mm×115mm×80mm  
 Weight: ≤450g

**Industrial Standard**

IEC 61000-4-2 (ESD) , Level 4 (Suit for ES2010G-2GS)

- Air discharge: ±15kV
- Contact discharge: ±8kV

IEC 61000-4-2 (ESD), Level 1 (Suit for ES2010G-2GF)

- Air discharge: ±2kV
- Contact discharge: ±2kV

IEC 61000-4-5 (Surge), Level 2 (Suit for ES2010G-2GF)

- Power supply: common mode ±1kV, differential mode ±0.5kV
- Ethernet port: ±1kV

Shock: IEC 60068-2-27  
 Free fall: IEC 60068-2-32  
 Vibration: IEC 60068-2-6

**Certification**

CE, FCC, RoHS

**Warranty**

3 years



## Ordering Information

Available Models	Gigabit SFP Slot	Gigabit Fiber Port	Gigabit Copper Port	Power Supply Range
ES2010G-2GS	2	-	8	12~48VDC
ES2010G-2GF	-	2	8	dual power supply



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