# ES2010G Series

## DIN-Rail Mounting or Wall Mounting
## 10-port Full Gigabit 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℃ wide operating temperature range
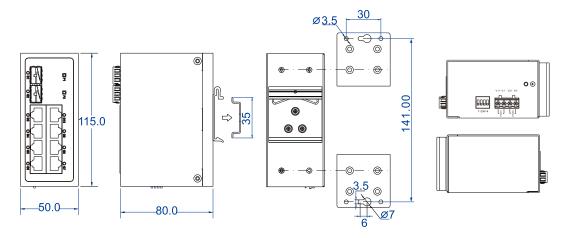
CE    FC    RoHS    RPS

# Introduction

ES2010G series are 10-port full Gigabit unmanaged Ethernet switches. This series include two types of products and provide Gigabit fiber port, Gigabit SFP slot and Gigabit copper port. It adopts DIN-Rail or wall mounting which can meet the requirements of different 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, intelligent manufacturing and other industrial fields.
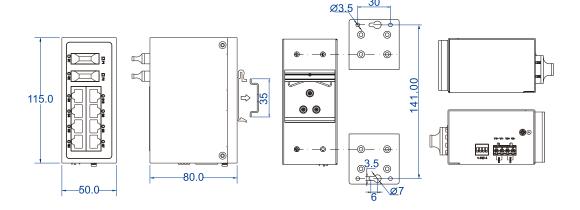
# Dimension

Unit: mm

- ES2010G-2GS



- ES2010G-2GF

# Specification

| Standard & Protocol | IEEE 802.3 for 10Base-T<br>IEEE 802.3u for 100Base-TX<br>IEEE 802.3ab for 1000Base-T<br>IEEE 802.3z for 1000Base-X<br>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 Autotunning<br>Fiber port: 1000Base-X, SC interface<br>SFP slot: 1000Base-X, SFP slot |
| LED Indicator | Power Supply Indicator, Port Indicator |
| Switch Property | Transmission mode: store and forward<br>MAC address: 8K<br>Packet buffer size: 1Mbit<br>Backplane bandwidth: 20G<br>Switch time delay: < 10μs |
| Power Requirement | 12~48VDC, 4-pin 7.62mm pitch terminal blocks<br>Dual power supply redundancy, reverse polarity protection |

### Power Consumption

| Model | No-load (@24VDC) | Full-load (@24VDC) |
|---|---|---|
| ES2010G-2GS | 2.4W | 8.5W |
| ES2010G-2GF | 3.9W | 8.1W |

| Environmental Limit | Operating temperature: 0~55℃<br>Storage temperature: -10~65℃<br>Relative humidity: 5% ~ 95% ( no condensation ) |
|---|---|
| Physical Characteristic | Housing: IP30 protection, metal<br>Installation: DIN-Rail mounting or wall mounting<br>Dimension (W x H x D): 50mm×115mm×80mm<br>Weight: ≤450g |
| Industrial Standard | IEC 61000-4-2 (ESD, Electrostatic Discharge) , Level 4 (Suit for ES2010G-2GS)<br>● Air discharge: ±15kV<br>● Contact discharge: ±8kV<br><br>IEC 61000-4-2 (ESD, Electrostatic Discharge), Level 1 (Suit for ES2010G-2GF)<br>● Air discharge: ±2kV |

|  | • Contact discharge: ±2kV<br><br>IEC 61000-4-5 (Surge), Level 2 (Suit for ES2010G-2GF)<br>• Power supply: common mode ±1kV, differential mode ±0.5kV<br>• Ethernet port: ±1kV<br><br>Shock: IEC 60068-2-27<br>Free fall: IEC 60068-2-32<br>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 dual power supply |
| ES2010G-2GF | - | 2 | 8 | |

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