![3onedata Reliable Connections]

# IES2210 Series

DIN-Rail or Wall Mounting

6/10-port 100M/Gigabit Layer 2 Unmanaged Industrial PoE Ethernet Switch

- Support 2 Gigabit Combo ports (SFP slot or RJ45) and 4/8 100M copper ports (optional PoE)

- The maximum power of single PoE port is 30W

- Support optional AC/DC power supply, DC dual power supply redundancy

- Support -40~75℃ wide operating temperature range

CE    FC U.S.A    RoHS    Industrial Grade    RPS    PoE

CONNECTING FOR A BETTER FUTURE     3onedata Co.,Ltd.
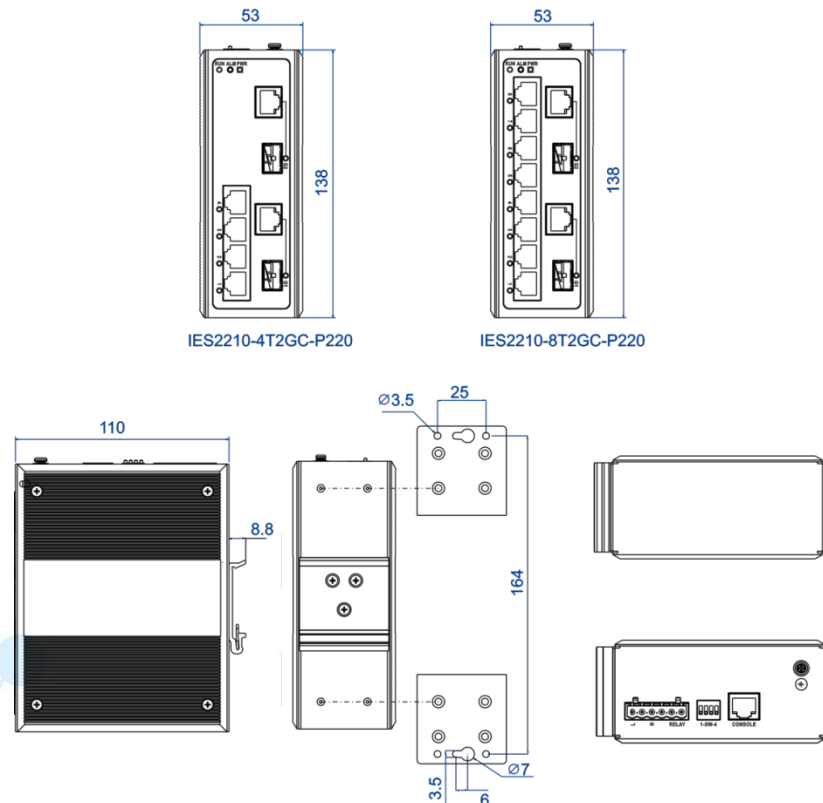
# Introduction

IES2210 series are 6/10-port 100M/Gigabit layer 2 unmanaged industrial Ethernet switches. This series provide 100M copper port (optional PoE) and Gigabit Combo port (SFP slot or RJ45), and the PoE power supply conforms to the protocol standard of IEEE802.3af/at. They also adopt DIN-Rail or wall mounting, which can meet the requirements of different scenes.

This series support optional AC/DC power supply. And the input power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. The design of DIP switch can realize flow control, port with the specified speed of 10M and alarm. When the link failure of port occurs, ALM indicator will light up and send out alarm, meanwhile, alarm device connected to the relay will send out alarm for rapid scene troubleshooting. 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.
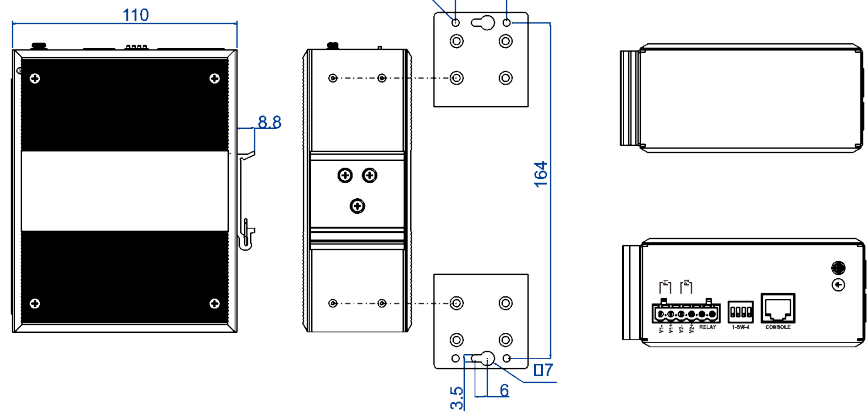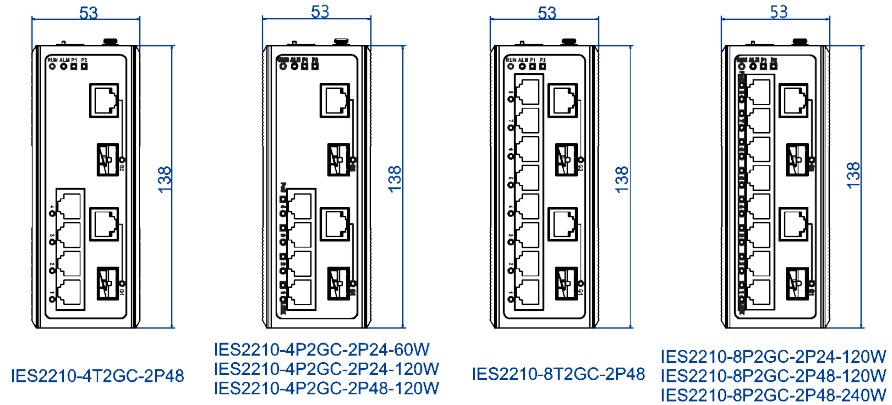
# Dimension

Unit:mm

● AC power supply



IES2210-4T2GC-P220          IES2210-8T2GC-P220

53

138

IES2210-4T2GC-2P48

53

138

IES2210-4P2GC-2P24-60W
IES2210-4P2GC-2P24-120W
IES2210-4P2GC-2P48-120W

53

138

IES2210-8T2GC-2P48

53

138

IES2210-8P2GC-2P24-120W
IES2210-8P2GC-2P48-120W
IES2210-8P2GC-2P48-240W

110

8.8

□3.5    25

164

3.5    6    □7

# 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<br>IEEE 802.3af for PoE<br>IEEE 802.3at for PoE+ |
| PoE | The maximum power of single PoE port: 15/30W<br>The power supply pin of PoE: V+, V+, V-, V- correspond to Pin 1, 2, 3, 6 |
| Interface | 100M copper port: 10/100Base-T(X), RJ45, Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotunning<br>Combo port: 10/100/1000Base-T(X) or 1000Base-X<br>Console port: CLI command line management port (RS-232), RJ45<br>Alarm port: 6-pin 5.08mm pitch terminal blocks, including 2-pin alarm terminal blocks, support 1 relay alarm output, current |

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|---|---|
| | carrying capacity is 1A@30VDC or 0.3A@125VAC |
| **LED Indicator** | Running Indicator, Port Indicator, Power Supply Indicator, Alarm Indicator, PoE Indicator (only for PoE products) |
| **Switch Property** | Transmission mode: store and forward<br>MAC address: 8K<br>Packet buffer size: 1Mbit<br>Backplane bandwidth: 7.6G<br>Switch time delay: <10μs |
| **Power Requirement** | Optional 24VDC, 48VDC or 220VAC, 6 pins 5.08mm pitch terminal blocks, including 4 pins power supply terminal blocks<br>DC dual power supply redundancy, anti-reverse connection |
| **Power Consumption** | IES2210-8T2GC-2P48<br>● No-load: 8.02W@48VDC<br>● Full-load: 9.2W@48VDC |
| **Environmental Limit** | Operating temperature range: -40~75℃<br>Storage temperature range: -40~85℃<br>Relative humidity: 5% ~ 95% (no condensation) |
| **Physical Characteristic** | Housing: IP40 protection, metal<br>Installation: DIN-Rail or wall mounting<br>Dimension (W x H x D): 53mm×138mm×110mm<br>Weight: ≤0.62kg |
| **Industrial Standard** | IEC 61000-4-2 (ESD), Level 3<br>● Air discharge: ±8kV<br>● Contact discharge: ±6kV<br><br>IEC 61000-4-4 (EFT), Level 3<br>● Power supply:±2kV<br>● Ethernet port: ±1kV<br>● Relay: ±2kV<br><br>IEC 61000-4-5 (Surge), Level 3<br>● Power supply: common mode±2kV, differential mode±1kV<br>● Ethernet port: common mode±2kV, differential mode±1kV<br>● Relay: common mode±2kV, differential mode±1kV<br><br>Shock: IEC 60068-2-27<br>Free fall: IEC 60068-2-32 |

Vibration: IEC 60068-2-6

| | | |
|---|---|---|
| Certification | CE, FCC, RoHS | |
| Warranty | 5 years | |

# Ordering Information

| Model | Gigabit Combo | 100M Copper Port | 100M POE Copper Port | Power Supply | PoE Power |
|---|---|---|---|---|---|
| IES2210-8T2GC-2P48 | 2 | 8 | - | 12~48VDC dual power supply | - |
| IES2210-8T2GC-P220 | 2 | 8 | - | 85~264VAC single power supply | - |
| IES2210-4T2GC-2P48 | 2 | 4 | - | 12~48VDC dual power supply | - |
| IES2210-4T2GC-P220 | 2 | 4 | - | 85~264VAC single power supply | - |
| IES2210-8P2GC-2P24-120W | 2 | - | 8 | 24VDC dual power supply | 120W |
| IES2210-8P2GC-2P48-120W | 2 | - | 8 | 48VDC dual power supply | 120W |
| IES2210-8P2GC-2P48-240W | 2 | - | 8 | 48VDC dual power supply | 240W |
| IES2210-4P2GC-2P24-60W | 2 | - | 4 | 24VDC dual power supply | 60W |
| IES2210-4P2GC-2P24-120W | 2 | - | 4 | 24VDC dual power supply | 120W |
| IES2210-4P2GC-2P48-120W | 2 | - | 4 | 48VDC dual power supply | 120W |