IES2220 Series

DIN-Rail or Wall Mounting

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

- Support 4 Gigabit SFP slots and 16 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
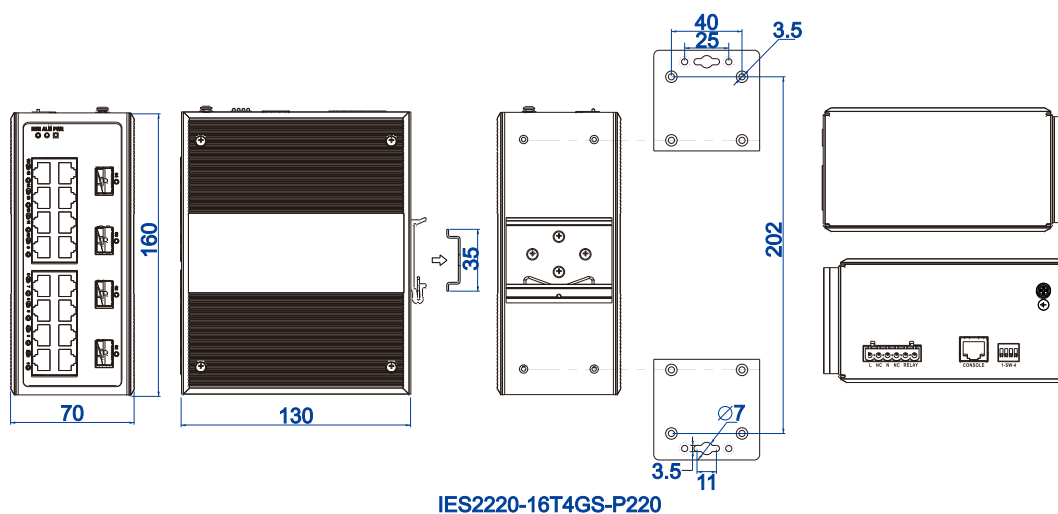
Introduction

IES2220 series are 20-port 100M/Gigabit layer 2 unmanaged industrial Ethernet switches. This series provide 100M copper port (optional PoE) and Gigabit SFP slot, 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 DC power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. 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.
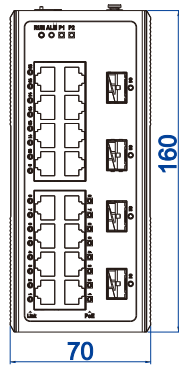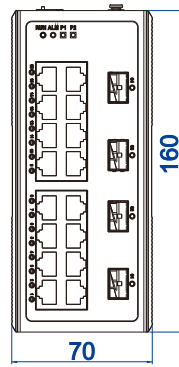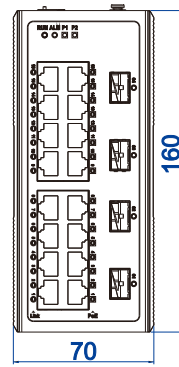
Dimension

Unit:mm

● AC power supply

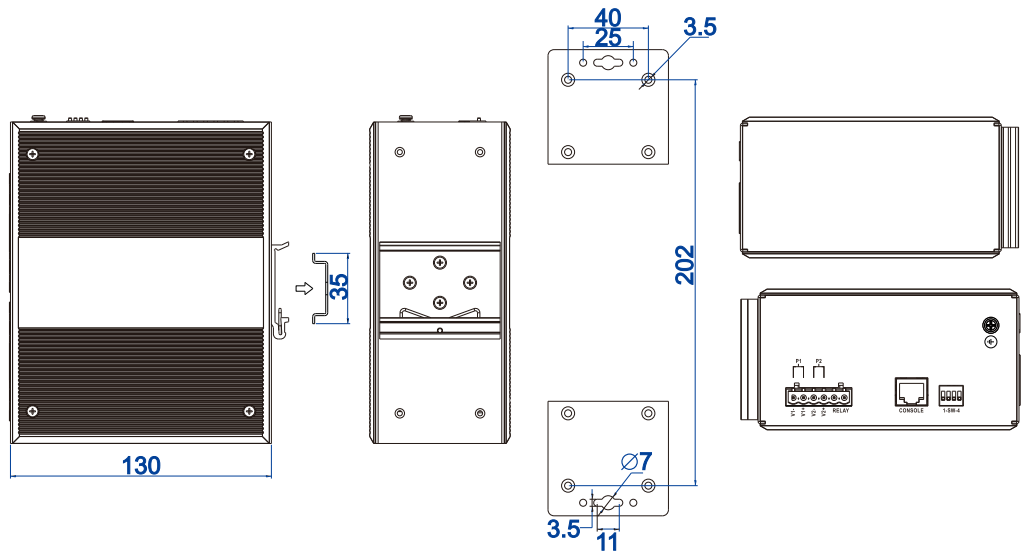IES2220-16T4GS-P220

● DC power supply

IES2220-8T8P4GS-2P48-120W
IES2220-8T8P4GS-2P48-200W
IES2220-8T8P4GS-2P24-120W

IES2220-16T4GS-2P48

IES2220-16P4GS-2P48-120W
IES2220-16P4GS-2P48-200W
IES2220-16P4GS-2P24-120W

Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3z for 1000Base-X IEEE 802.3af for PoE IEEE 802.3at for PoE+
PoE	The maximum power of single PoE port: 15/30W 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, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotunning 100M PoE copper port: 10/100Base-T(X) RJ45, automatic flow control, full/half duplex mode, MDI/MDI-X autotunning, POE port, output power of 15W or 30W

	Gigabit SFP port: 1000Base-SFP Console port: reserved Alarm port: reserved
LED Indicator	Running Indicator, Port Indicator, Power Supply Indicator, Alarm Indicator (reserved), PoE Indicator (only for PoE products)
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 3Mbit Backplane bandwidth: 12.8G 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 DC dual power supply redundancy, anti-reverse connection
Power Consumption	DC products ● No-load: ≤157W@48VDC ● Full-load: ≤157.2W@48VDC AC products ● No-load: ≤9.2W@220VAC ● Full-load: ≤9.6W@220VAC
Environmental Limit	Operating temperature range: -40~75℃ Storage temperature range: -40~85℃ Relative humidity: 5% ~ 95%(no condensation)
Physical Characteristic	Housing: IP40 protection, metal Installation: DIN-Rail or wall mounting Dimension (W x H x D): 70mm×160mm×130mm Weight: ≤1.06kg
Industrial Standard	IEC 61000-4-2 (ESD), Level 3 ● Air discharge: ±8kV ● Contact discharge: ±6kV IEC 61000-4-4 (EFT), Level 3 ● Power supply:±2kV ● Ethernet port: ±1kV ● Relay: ±2kV IEC 61000-4-5 (Surge), Level 3

- Power supply: common mode±2kV, differential mode±1kV
- Ethernet port: common mode±2kV, differential mode±1kV
- Relay: common mode±2kV, differantial mode±1kV

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Certification	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Model	100M Copper Port	100M POE Copper Port	Gigabit SFP Slots	Power Supply	PoE Power
IES2220-16T4GS-2P48	16	-	4	12~48VDC dual power supply	-
IES2220-16T4GS-P220	16	-	4	85~264VAC single power supply	-
IES2220-16P4GS-2P48-120W	-	16	4	48VDC dual power supply	120W
IES2220-16P4GS-2P48-200W	-	16	4	48VDC dual power supply	200W
IES2220-16P4GS-2P24-120W	-	16	4	24VDC dual power supply	120W
IES2220-8T8P4GS-2P48-120W	8	8	4	48VDC dual power supply	120W
IES2220-8T8P4GS-2P48-200W	8	8	4	48VDC dual power supply	200W
IES2220-8T8P4GS-2P24-120W	8	8	4	24VDC dual power supply	120W

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China

TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485

E-mail: ics@3onedata.com

Website: www.3onedata.com

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