



IPS2000G Series

DIN-Rail Mounting or Wall Mounting

5-port Full Gigabit Layer 2 Unmanaged Industrial PoE Ethernet Switch

- Support 1 Gigabit copper/fiber port and 4 Gigabit PoE copper ports
- The maximum power consumption of single port PoE is 30W
- PoE can power device over Ethernet, thus decreasing the cable connection of powered devices
- Full Gigabit bandwidth can enable high performance and speed transmission of large amounts of video, voice, and data
- Input power voltage 48VDC
- Support -40~75°C wide operating temperature range



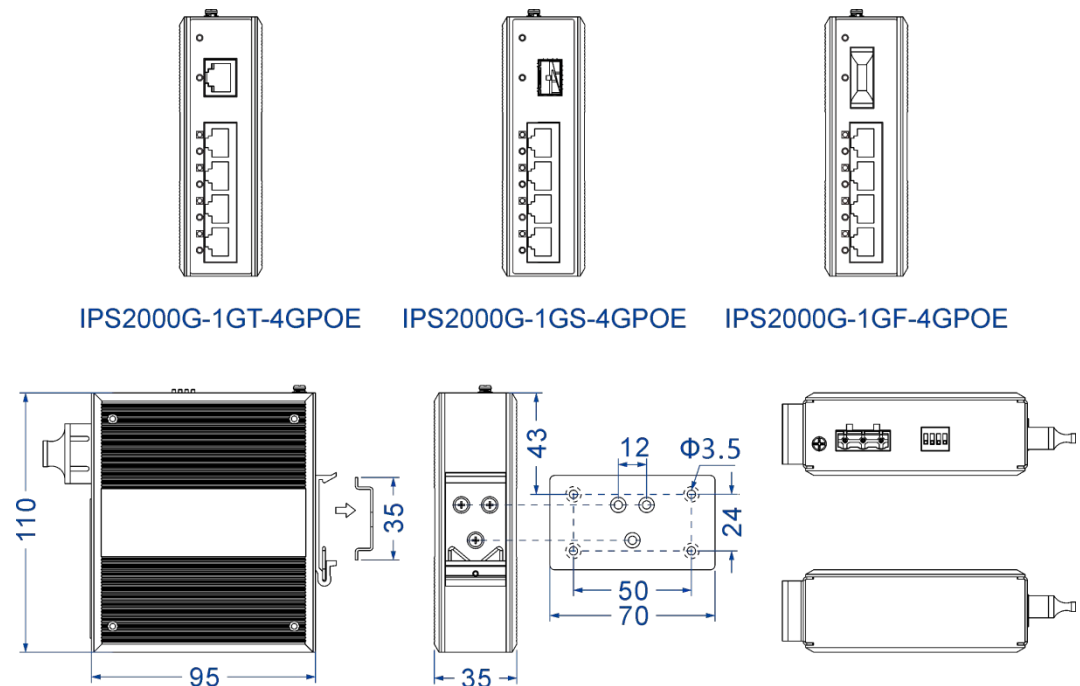
Introduction

IPS2000 series are 5-port full Gigabit layer 2 unmanaged industrial PoE Ethernet switches and the PoE power supply is up to the protocol standard of IEEE 802.3af/at. This series have 3 products and provide Gigabit copper ports, fiber ports, SFP slots and PoE copper ports. They adopt DIN-Rail mounting or wall mounting, which can meet the requirements of different scenes.

The DIP switch can implement the switching of standard PoE power supply modes (IEEE 802.3af or IEEE 802.3at), flow control, jumbo frames and RJ45 with the specified speed of 100M. 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, railway transportation, smart city, safe city, new energy, intelligent manufacturing and other industrial fields.

Dimension

Unit:mm



Specification

Standard & Protocol

IEEE 802.3 for 10Base-T

	<p>IEEE 802.3u for 100Base-TX IEEE 802.3z for 1000Base-X IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow Control IEEE 802.3af for PoE IEEE 802.3at for PoE+</p>												
PoE	<p>The maximum power consumption of PoE port: 30W The power supply pin of PoE: V+, V+, V-, V- correspond to Pin 1, 2, 3, 6</p>												
Interface	<p>Copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode Self-adaption, MDI/MDI-X Autotuning Fiber port: 1000Base-FX, SC/ST/FC optional SFP slot: 100/1000Base-SFP</p>												
LED Indicator	Running Indicator, Port Indicator, PoE Indicator												
Switch Property	<p>Transmission mode: store and forward MAC address: 8K Packet buffer size: 1Mbit Backplane bandwidth: 14G Switch time delay: <10μs</p>												
Power Requirement	<p>12~48VDC(PoE 48VDC), 3-pin 7.62mm pitch terminal blocks Support 3A over-current protection reverse polarity protection</p>												
Power Consumption	<table border="1"> <thead> <tr> <th>Model</th> <th>No-load(@48VDC)</th> <th>Full-load(@48VDC)</th> </tr> </thead> <tbody> <tr> <td>IPS2000G-1GT-4GPOE</td> <td>1.49W</td> <td>63.60W</td> </tr> <tr> <td>IPS2000G-1GS-4GPOE</td> <td>2.06W</td> <td>64.99W</td> </tr> <tr> <td>IPS2000G-1GF-4GPOE</td> <td>5.95W</td> <td>70.32W</td> </tr> </tbody> </table>	Model	No-load(@48VDC)	Full-load(@48VDC)	IPS2000G-1GT-4GPOE	1.49W	63.60W	IPS2000G-1GS-4GPOE	2.06W	64.99W	IPS2000G-1GF-4GPOE	5.95W	70.32W
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Environmental Limit	<p>Operating temperature range: -40~75℃ Storage temperature range: -40~85℃ Relative humidity: 5% ~ 95% (no condensation)</p>												
Physical Characteristic	<p>Housing: IP40 protection, high-intensity corrugated metal Installation: DIN-Rail mounting or wall mounting Dimension (W x H x D): 35mm×110mm×95mm Weight: ≤400g</p>												
Industrial Standard	<p>IEC 61000-4-2 (ESD), Level 3</p> <ul style="list-style-type: none"> Air discharge: ±8kV Contact discharge: ±6kV 												

IEC 61000-4-4 (EFT), Level 3

IEC 61000-4-5 (Surge), Level 3

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

Available Models	Gigabit Fiber Port	Gigabit SFP	Gigabit Copper Port	Gigabit POE Copper Port	Power Supply
IPS2000G-1GT-4GPOE	—	—	1	4	12~48VDC (PoE 48VDC)
IPS2000G-1GS-4GPOE	—	1	—	4	
IPS2000G-1GF-4GPOE	1	—	—	4	



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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