

Slim 8-Port Giga PoE Din-rail Switch

IDP208G-8GP 8 Port Giga PoE Switch

The IDP208G-8GP features 8 10/100/1000Base-T PoE electrical ports with support for IEEE802.3af (15.4W) and IEEE802.3at (30W) standards, ensuring seamless connectivity for high-power devices. The switch operates within a wide temperature range of -25°C to 70°C with IP40-rated durable aluminum alloy housing. With anti-static protection up to $\pm 15\text{KV}$ air and $\pm 8\text{KV}$ contact, and network port lightning protection up to $\pm 4\text{kV}$ common mode and $\pm 2\text{kV}$ differential mode, the IDP208G-8GP ensures stable and secure operation in industrial environments.



PoE⁺



Features & Benefits



Full Gigabit Switching

- 8-port Full-Giga Ethernet with Auto Negotiation
- 8K MAC address table
- Stores and forwards with non-blocking switch fabric
- Switching capacity: 16Gbps for layer 2 application
- Overall packet forwarding rate: 11.904Mpps

Extreme PoE Capability

- 8-port IEEE 802.3af/at compliant PoE technology, up to 30W per port
- IEEE 802.3af/at adaptive
- Output Voltage: DC 48-57V

Rugged Mechanical Design

- Robust design protects from mechanical deformation
- IP40 ingress protection to withstand harsh environment
- Wide operating temperature range **-25 ~ 70°C**
- CE marking
- Anti-static (ESD) air $\pm 15\text{KV}$ contact $\pm 8\text{KV}$
- Network port lightning protection: common mode $\pm 4\text{kV}$ differential mode $\pm 2\text{kV}$
- Dual power redundancy



Interfaces

IDP208G-8GP

Power Connector

- 1 x 6 pin terminal block
4 pin for power input

Gigabit Ethernet with PoE

- 8-port 100/1000MBase-T
IEEE 802.3 af/at PoE
- LINK/ACK LED
- PoE LED

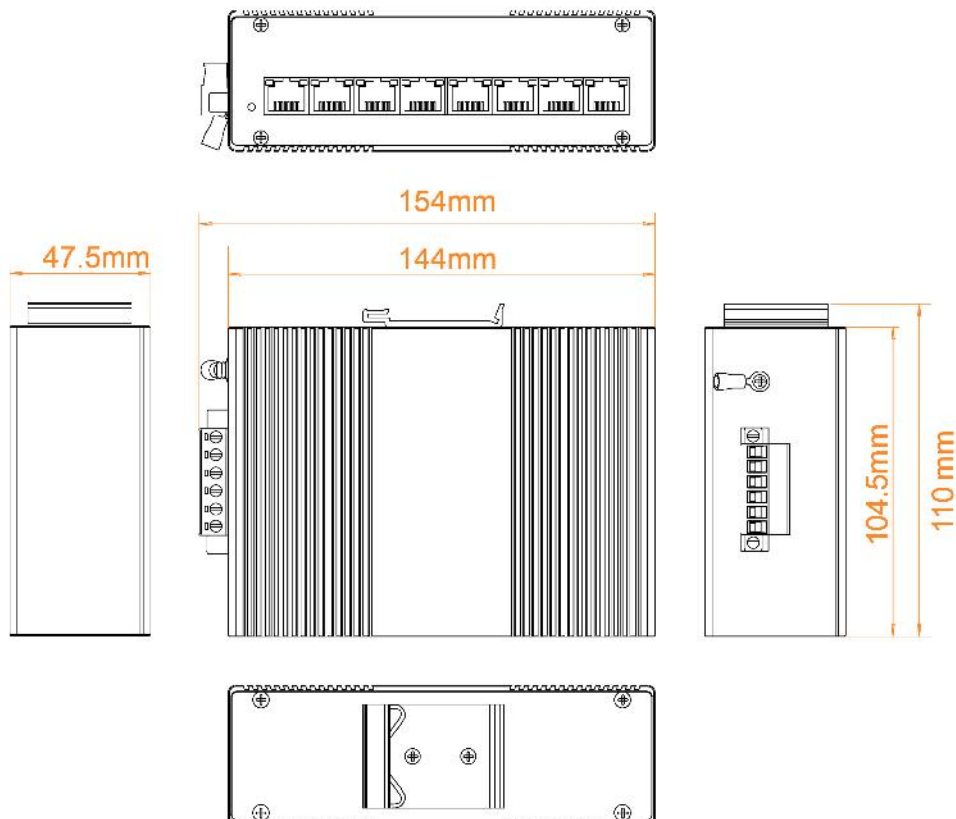


Power LED

IP40 Metal Enclosure



Dimensions



Technology	
Standard	IEEE 802.3af/at Power over Ethernet
	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet Copper
	IEEE 802.3az Energy Efficient Ethernet
Performance	
Switch Technology	Store and Forward Technology with Non-Blocking Switch Fabric
Number of MAC Address	8K
Packet Buffer Memory	1M bits
Switching capacity	16Gbps application level: layer 2
Overall packet forwarding rate	11.904Mpps
Interface	
Ethernet Port	8 x 10/100/1000Base-TX RJ45, Auto Negotiation
System LED	1 x Power: Red On
Ethernet Port LED	Link (Yellow On), Activity (Yellow Blinking) PoE power feeding: Green on, PoE power not feeding: Off
Power input	6-Pin Removable Terminal Connector 4 Pin for Power Input (P1+, P1-, P2+, P2-) Pin3 and Pin4: Reserved
Power Requirement	
Input Voltage	DC48V-57V (dual power supply redundant backup)
Reverse Polarity Protect	Yes
Power Consumption	store forward power consumption: < 3W
PoE	
Power forwarding mode	Alternative A
PoE Power Budget	Max. 30W, PoE 802.3at/ Port, Total 240W PoE Budget
PoE Mode	IEEE 802.3af/at
Mechanical	
Installation	DIN Rail
Enclosure Material	Aluminum alloy metal
Dimension	110 (D) x 154(H) x 47.5mm (W)
Ingress Protection	IP40
Weight	~640g without package
Environmental	
Operating Temperature & Humidity	-25°C~70°C , 5%~95% Non-Condensing
Storage Temperature	-40°C~85°C
MTBF	300,000 hours
Warranty	5 Years

Standard	
CE-EMC	EN 55032:2015/A11:2020/A1:2020, EN 55035:2017/A11:2020, EN IEC 61000-3-2:2019/A1:2021/A2:2024, EN 61000-3-3:2013/A1:2019/A2:2021, EN 61000-4-2:2009, EN IEC 61000-4-3:2020, EN 61000-4-4:2012, EN 61000-4-5:2014/A1:2017, EN IEC 61000-4-6:2023, EN 61000-4-8:2010, EN IEC 61000-4-11:2020
CE-LVD	EN IEC 62368-1:2024+A11:2024
RoHS	IEC 62321-5:2013& IEC 62321-4:2013+A1:2017& IEC 62321-7-2:2017& IEC 62321-6:2015& IEC 62321-8:2017 & IEC 62321-3-1:2013 & IEC 62321-7-1:2015



Ordering Information

Model Name	Description
IDP208G-8GP	Din-rail 8-port Giga PoE+ Switch
	Package List
	1 x Product Unit
	1 x 6-pin Removable Terminal Connector
	1 x Attached Din Clip
	1 x Quick Installation Guide



Optional Accessory

SDR-480P-48	Din Rail Power Supply INPUT:90-264VAC, 120-370VDC, OUTPUT: 48VDC/10A, -25 ~ +70°C
NDR 480-48	Din Rail Power Supply INPUT:90-264VAC, 120-370VDC, OUTPUT: 48VDC/10A, -20 ~ +70°C