WoMaster

Slim 8-Port Giga Din-rail Switch

IDS208G

8 Port Giga Ethernet Din-rail Switch

The IDS208G is engineered with a rugged mechanical design to ensure durability and reliability in challenging industrial environments. The IP40 ingress protection shields it from harsh conditions. With a wide operating temperature range of -25°C to 75°C, the IDS208G performs seamlessly in extreme climates. Enhanced protection features include anti-static (ESD) protection up to ±15KV air and ±8KV contact, along with lightning surge protection for the power supply rated at 5000A (8/20 μs waveform). Additionally, the DC 12V-52V power input offers reverse connection protection and 4A overcurrent protection, ensuring stable and secure operation in critical industrial applications.
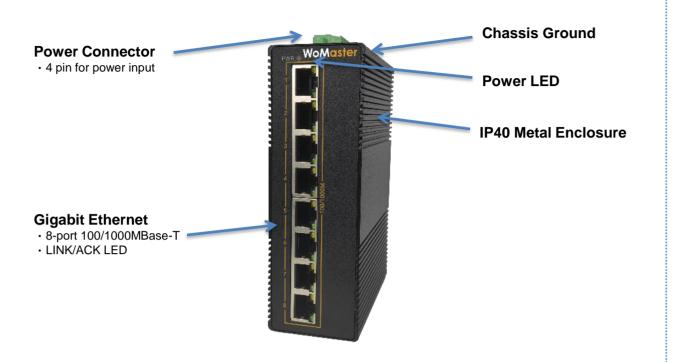

Features & Benefits

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
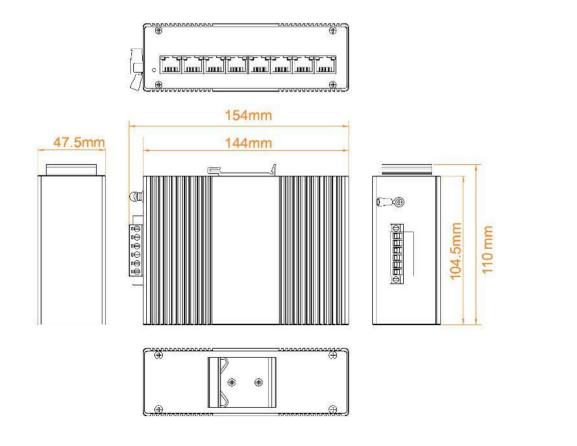· Overall packet forwarding rate: 11.904Mpps

Rugged Mechanical Design
· Robust design protects from mechanical deformation
· IP40 ingress protection to withstand harsh environment
· Wide operating temperature range -25 ~ 75°C
· Anti-static (ESD) air ±15KV contact ±8KV
· Lightning surge protection (power supply): 5000A (surge waveform is 8 / 20 μ)
· Power input DC 12V-52V provides reverse connection protection and 4A overcurrent protection

IDS208G

Power Connector
・4 pin for power input

Chassis Ground

Power LED

IP40 Metal Enclosure

Gigabit Ethernet
・8-port 100/1000MBase-T
・LINK/ACK LED

Dimensions

154mm

144mm

47.5mm

104.5mm

110 mm

(mm)

⚙ Specifications

Technology	
Standard	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3 Flow control
	IEEE 802.3z 1000Base-X
	IEEE 802.3ab 1000Base-T Gigabit Ethernet Copper

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)

Power input	6-Pin Removable Terminal Connector
	  4 Pin for Power Input (P1+, P1-, P2+, P2-)
	  Pin3 and Pin4: Reserved

Power Requirement	
Input Voltage	DC12V-52V (dual power supply redundant backup)
Reverse Polarity Protect	Yes
Power Consumption	store forward power consumption: < 3W

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~75°C , 5%~95% Non-Condensing
Storage Temperature	-40°C~85°C
MTBF	300,000 hours
Warranty	5 Years

🛒 Ordering Information

Model Name	Description
IDS208G	Din-rail 8-Port Giga Ethernet 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

MDR-40-24	INPUT:85-264VAC, 120-370VDC, OUTPUT: 24VDC/1.7A, -20 ~ +70°C