Slim 16-Port Giga Din-rail Switch

IDS216G

16 Port Giga Ethernet Din-rail Switch

The IDS216G 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. Additionally, the DC 12V-58V power input offers reverse connection protection, ensuring stable and secure operation in critical industrial applications.

Features & Benefits

Full Gigabit Switching
· 16-port Full-Giga Ethernet with Auto Negotiation
· 8K MAC address table
· Stores and forwards with non-blocking switch fabric
· Switching capacity: **32**Gbps for layer 2 application
· Packet Buffer: 2M
· Forwarding Latency: <10us
· Jumbo Frame: 10Kbytes
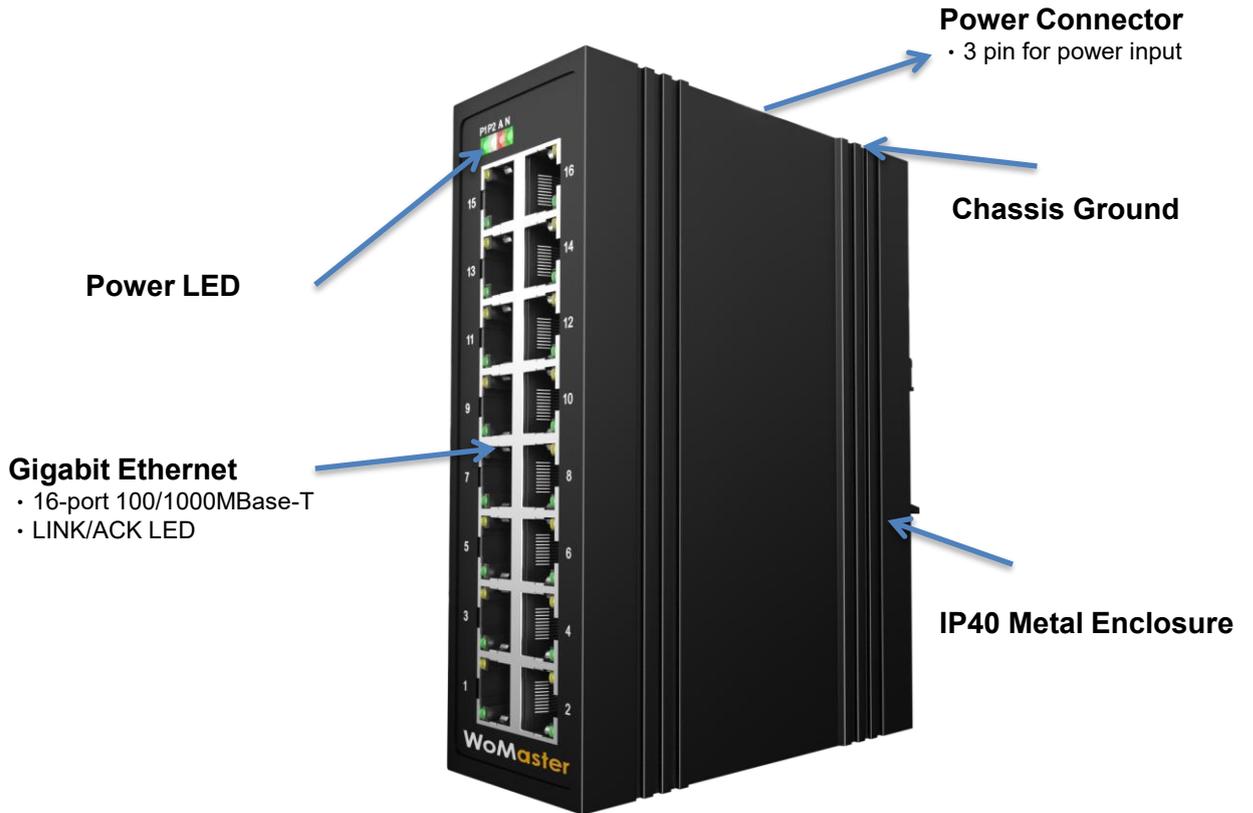· Overall packet forwarding rate: **23.8**Mpps

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
· Power input DC 12V-58V provides reverse connection protection

IDS216G

Power Connector
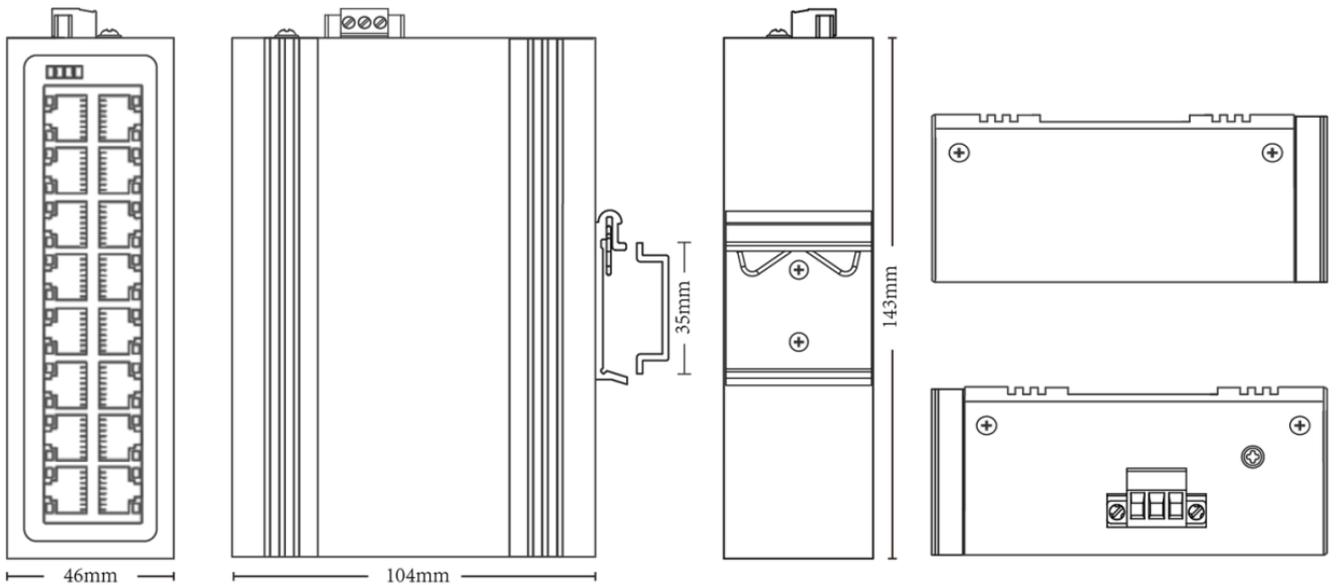· 3 pin for power input

Chassis Ground

Power LED

Gigabit Ethernet
· 16-port 100/1000MBase-T
· LINK/ACK LED

IP40 Metal Enclosure

Dimensions

46mm

104mm

35mm

143mm

⚙️ 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	2M bits
Switching capacity	32Gbps application level: layer 2
Overall packet forwarding rate	23.8Mpps

Interface

Ethernet Port	16 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	3-Pin Removable Terminal Connector

Power Requirement

Input Voltage	DC12V-58V
Reverse Polarity Protect	Yes
Power Consumption	store forward power consumption: < 10W

Mechanical

Installation	DIN Rail
Enclosure Material	Aluminum alloy metal
Dimension	104 (D) x 143(H) x 46mm (W)
Ingress Protection	IP40
Weight	~500g without package

Environmental

Operating Temperature & Humidity	-25°C~75°C , 5%~95% Non-Condensing
Storage Temperature	-40°C~85°C
MTBF	100,000 hours
Warranty	3 Years
Surge Protection	IEC 61000-4-5 Level X (4KV/2KV）（8/20us) Power IEC 61000-4-5 Level 4(4KV/2KV）（10/700us)
ESD	IEC 61000-4-2 Level 4（8K/15K）

🛒 Ordering Information

Model Name	Description
IDS216G	Din-rail 16-Port Giga Ethernet Switch
	Package List
	1 x Product Unit with Din Clip
	1 x 3-pin Removable Terminal Connector
	1 x Quick Installation Guide

📥 Optional Accessory

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