

Mini 5-Port Giga Din-rail Switch

IDS205G

Mini 5 Port Giga Ethernet Din-rail Switch

The IDS205G is an IP40-rated, unmanaged industrial Ethernet switch with five 10/100/1000 Base-T ports. Designed with an industrial-grade fanless cooling system, it operates reliably in extreme temperatures ranging from -25°C to 75°C. It offers high-level protection, including 6KV-8KV ESD resistance and a wide input voltage range of 12-58VDC, ensuring exceptional durability against temperature variations and lightning surges. Its compact DIN-rail design allows for easy and flexible installation. These features enhance the reliability and security of industrial networks, making it ideal for applications such as rail transit, smart city projects, intelligent transportation, outdoor surveillance, and other harsh environments.



Features & Benefits

Full Gigabit Switching

- 5-port Full-Giga Ethernet with Auto Negotiation
- 2K MAC address table
- Stores and forwards with non-blocking switch fabric
- Switching capacity: 10Gbps for layer 2 application
- Overall packet forwarding rate: 7.444Mpps

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 ± 6 KV contact ± 8 KV
- Power input DC 12V-58V



Interfaces

IDS205G

Chassis Ground

Power LED

Gigabit Ethernet

- 5-port 100/1000MBase-T
- LINK/ACK LED

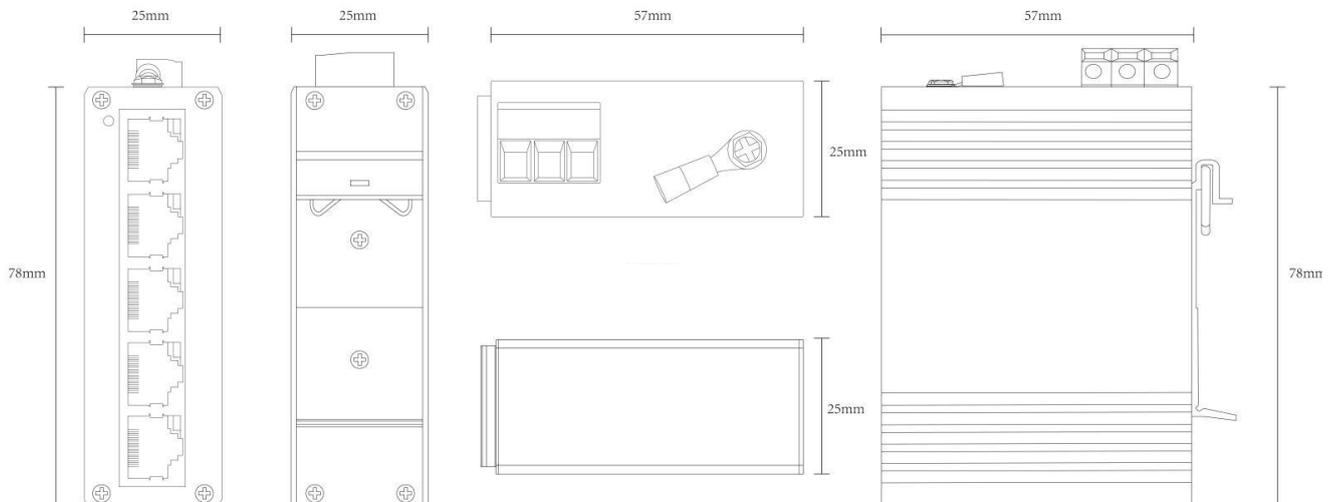


Power Connector
• 3 pin for power input

IP40 Metal Enclosure



Dimensions



(mm)

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	2K
Packet Buffer Memory	1M bits
Switching capacity	10Gbps application level: layer 2
Overall packet forwarding rate	7.44Mpps
Jumbo Packet	9 Kbytes
Forwarding Latency	< 5us
Interface	
Ethernet Port	5 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 (dual power supply redundant backup)
Reverse Polarity Protect	Yes
Power Consumption	store forward power consumption: < 2W
Mechanical	
Installation	DIN Rail
Enclosure Material	Aluminum alloy metal
Dimension	57 (D) x 78(H) x 25(W) mm
Ingress Protection	IP40
Weight	~120g 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 of Ethernet port	IEC 61000-4-5 Level 3 (2KV/1KV) (10/700us)
ESD	IEC 61000-4-2 Level 4 (6K/8K)


Ordering Information

Model Name	Description
IDS205G	Din-rail Mini 5-Port Giga Ethernet Switch
	Package List
	1 x Product Unit with attached Din Rail Clip and Terminal Connector
	1 x Quick Installation Guide

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