

Slim size Full-Giga Switch for Automation

DS208

Industrial 8G Ethernet Switch

The 8-port Full-Giga Ethernet switch DS208 is designed to accept redundant wide power inputs from 9.6 to 60VDC and 18-30VAC input. The rugged IP40 design can stand for harsh environment and wide temperature (from -40 to 70°C) use. The compact size can fit in for space limited cabinets. DS208 has power saving design for Efficient Power Management and complies with heavy industrial EMC standard.



Features & Benefits

Full Gigabit Switching

- 8-port Full-Giga Ethernet with Auto Negotiation
- 4K MAC address table
- Support 9K Jumbo Frame
- Support Broadcast storm protection
- Stores and forwards with non-blocking switch fabric

IEEE 802.3az EEE Power Management

- Ultra low power design, 2.6W when full loading
- Energy Efficient Ethernet for low power requirement
- Idle power saving mode for energy efficiency

Rugged Mechanical Design

- Robust design protects from mechanical deformation
- IP40 ingress protection to withstand harsh environment (Optional IP41 protection)
- Wide operating temperature range **-40 ~ 70°C**
- CE marking
- IEC61000-6-2/IEC61000-6-4 heavy industrial EMC

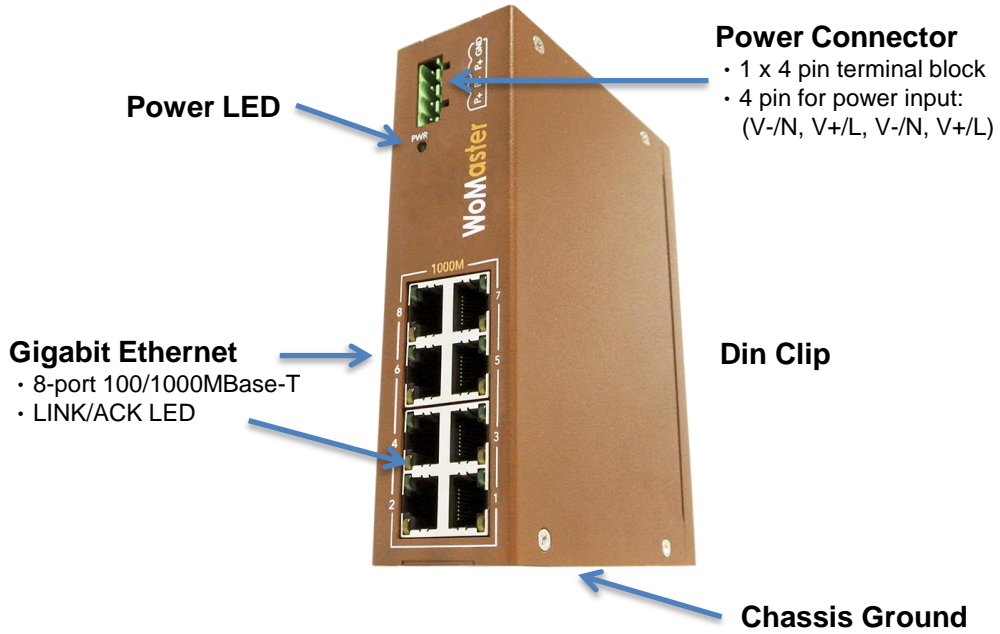
QoS Service for Time-Sensitive Applications

- IEEE 802.1Q VLAN priority tagging

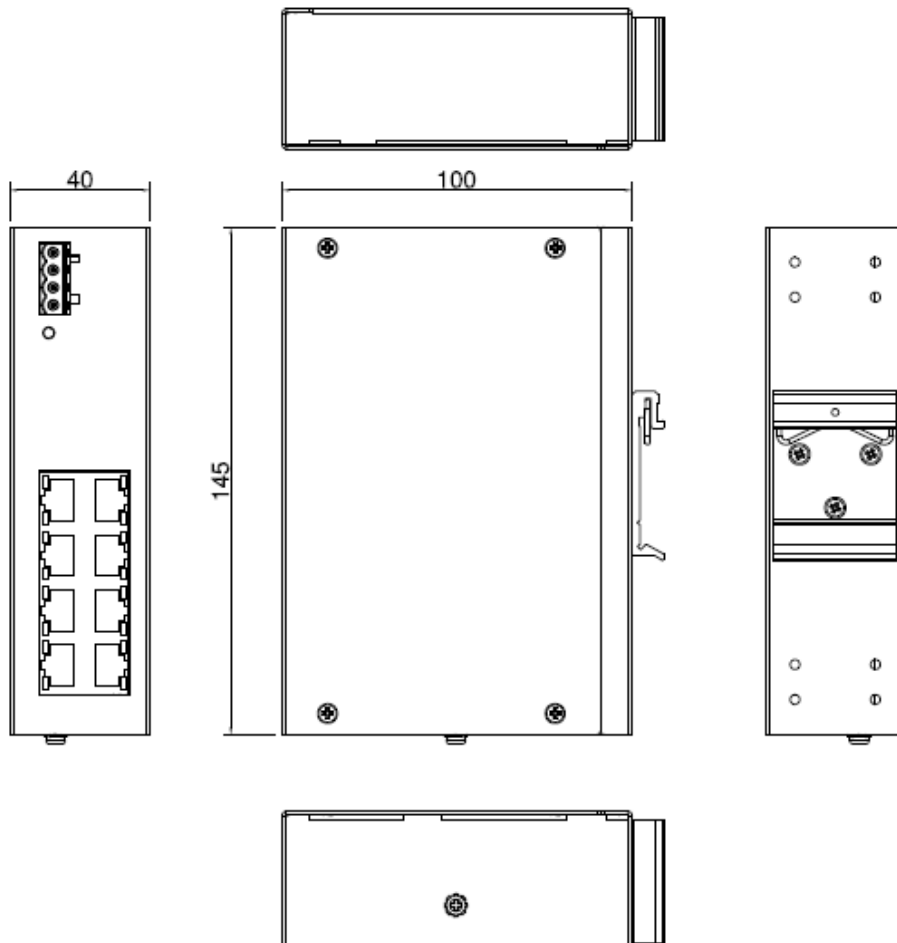


Interfaces

DS208



Dimensions



Technology	
Standard	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	4K
Packet Buffer Memory	1.5M bits
Broadcast Storm Protection	100,000 pps (packet per second)
QoS	VLAN Priority Tagging: 0/1: 2/3: 4/5: 6/7 = 1:2:4:8
Jumbo Frame	9216 Bytes
Transfer performance	10Base-T: 14,880pps, 100Base-TX: 148,800pps, 1000Base-TX: 1,488,100pps
Interface	
Ethernet Port	8 x 10/100/1000Base-TX RJ45, Auto Negotiation
System LED	1 x Power: Green On
Ethernet Port LED	Link (Green On), Activity (Green Blinking)
Power input	4-Pin Removable Terminal Connector (V-/N, V+/L, V-/N, V+/L)
Power Requirement	
Input Voltage	24VDC (9.6 - 60VDC/18-30VAC), redundant
Reverse Polarity Protect	Yes
Input Current	0.11A@24V
Power Consumption	Max. 2.64W@24VDC, full traffic, suggest to reserve 15% tolerance
Mechanical	
Installation	DIN Rail
Enclosure Material	Steel Metal
Dimension	100 (D) x 145 (H) x 40mm (W) / without DIN Rail Clip
Ingress Protection	IP40 (IP41 By Request)
Weight	~540g without package
Environmental	
Operating Temperature & Humidity	-40°C~70°C , 0%~95% Non-Condensing
Storage Temperature	-40°C~80°C
MTBF	>200,000 hours
Warranty	5 years
Standard	
EMC	EN61000-6-2/EN61000-6-4
EMI	CISPR 22, FCC part 15B Class A
EMS	EN61000-4-2 ESD, EN61000-4-3 RS, EN61000-4-4 EFT, EN61000-4-5, EN61000-4-6 CS, EN61000-4-8 Magnetic Field



Ordering Information

Model Name	Description
DS208	Industrial 8G Unmanaged Ethernet Switch, 24VDC/AC
	Package List
	1 x Product Unit
	1 x 4-pin Removable Terminal Connector
	1 x Attached Din Clip
	1 x Quick Installation Guide



Optional Accessory

Item	
MK-D1-2	Wall-mounting kit with 2 plates and 8 screws