

Rugged Ethernet Switch for Building Automation and Industry

DS210v2

Industrial 8FE+2G Combo Unmanaged Ethernet Switch

Designed for industrial Ethernet connectivity, the DS210 is an unmanaged Ethernet switch equipped with 10 ports, comprising of 8 Fast Ethernet ports and 2 Gigabit Combo ports that feature both RJ45 and SFP interfaces with auto detection. Its QoS capabilities enable the prioritization of traffic such as video and VoIP on the 2 Gigabit Ethernet or Fiber SFP uplink ports.

Suitable for building automation applications, the DS210 can be powered by either 12 to 30V DC or AC inputs. It has been certified to meet EN61000-2 and EN61000-4 EMC standards and can operate in a broad temperature range from -40 to 70 Celsius, making it a reliable option for use in diverse industrial environments.



Features & Benefits

High Throughput Ethernet Switching

- 10-port Ethernet, including 8-port Fast Ethernet and 2-port **Gigabit** Ethernet Combo Ports
- 2-port **Gigabit** Ethernet/Fiber uplink features QoS for video and VoIP data stream
- Fiber ports support auto detect 100M/1000M speed
- 8K MAC address table
- Stores and Forwards with non-blocking switch fabric

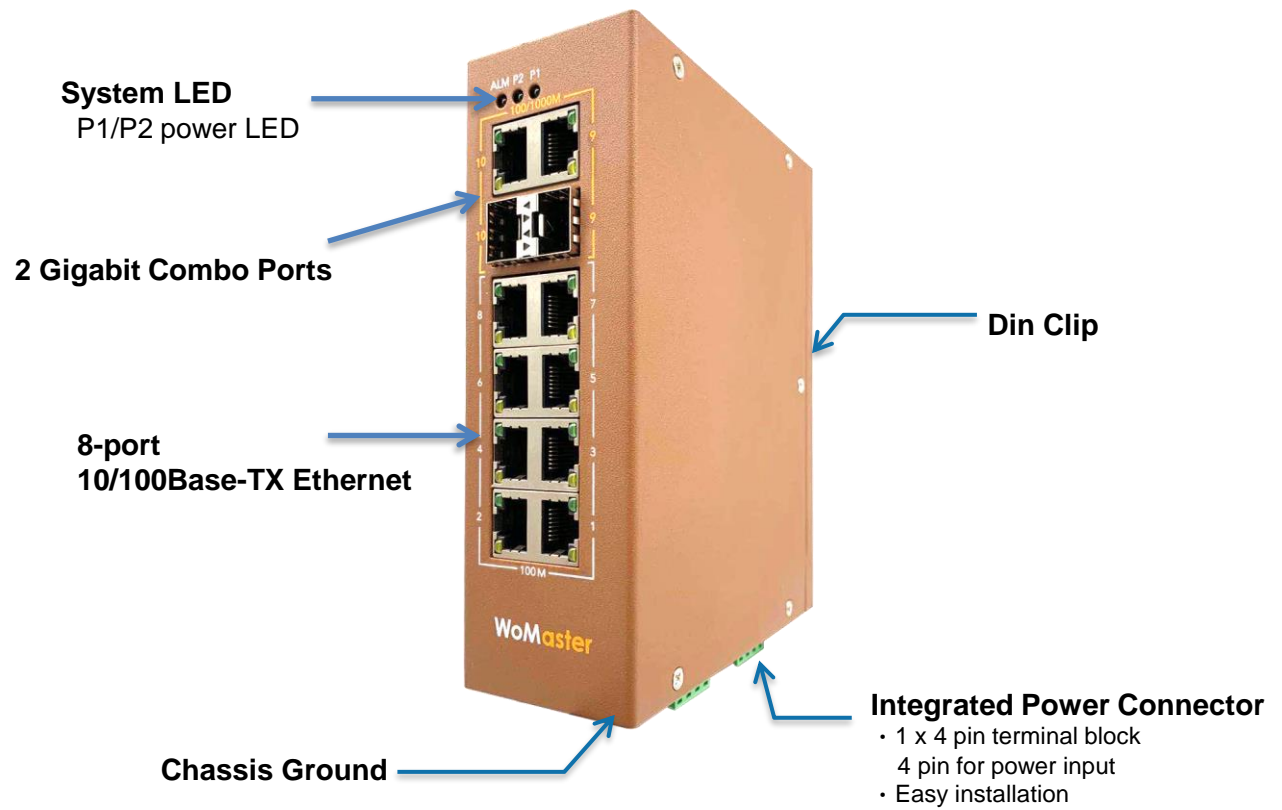
Rugged Mechanical Design

- Robust design protects from mechanical deformation
- Ribbed side panels for effective heat dissipation
- Wide operating temperature range **-40 ~ 70°C**
- Selectable gigabit uplink: RJ45 or SFP by model for high flexibility of cable types and distances
- EN IEC 61000-6-2 Immunity standard for Industrial Environment
- EN IEC 61000-6-4 Emission standard for Industrial Environment



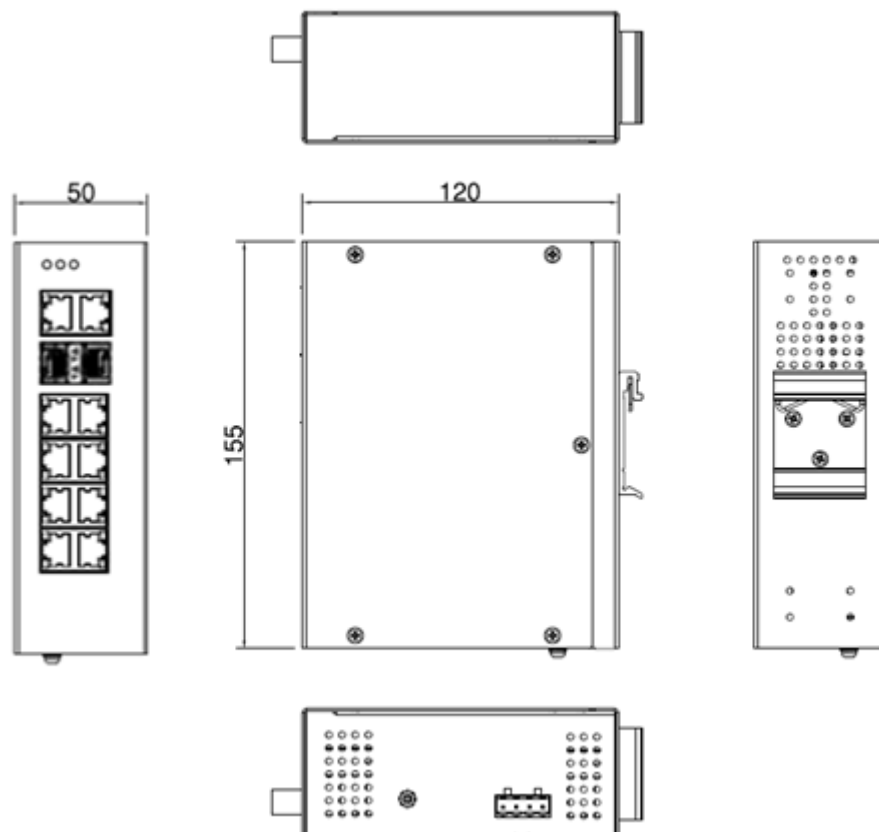


Interfaces



Dimensions

(mm)





Technology	
Standard	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet copper
	IEEE 802.3x Flow Control and back-pressure
	IEEE 802.1p Class of Service (CoS)
Performance	
Switch Technology	Store and Forward Technology with Non-Blocking Switch Fabric
Number of MAC Address	8K
Packet Buffer Memory	1M bits
Transfer performance	10Base-T: 14,880pps, 100Base-TX: 148,800pps, 1000Base-TX: 1,488,100pps
Interface	
Ethernet Port	8 x 10/100Base-TX RJ45, Half/Full Duplex, Auto Negotiation 2 x 100/1000Base-T Combo : 2 x RJ45, Half/Full Duplex, Auto Negotiation and 2 x 100/1000MBase SFP, 100/1000M Speed Auto Detection *100M SFP must be installed before power on
System LED	1 x Power: Green On
Ethernet Port LED	Link (Green On), Activity (Green Blinking), Full duplex (Amber on), Collision (Amber Blinking)
Gigabit Ethernet Port LED	Link (Green On), Activity (Green Blinking), Speed (Amber Blinking, 10M:1, 100M:2 1000M:3 times)
SFP LED	Port: Link (Green On), Activity (Green Blinking)
Power Input	4-Pin Removable Terminal Connector 4 Pin for Power Input
Power Requirement	
Input Voltage	24VDC (10-30VDC/AC)
Reverse Polarity Protect	Yes
Input Current	0.2A @ 24V
Power Consumption	Max. 4.8W@24VDC full traffic
Mechanical	
Installation	DIN Rail
Enclosure Material	Steel Metal
Dimension	50(W) x 155(H) x 120(D) mm / without DIN Rail Clip
Ingress Protection	IP31
Weight	900g (device) / 1.3KG (full 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	
CE	EN IEC 61000-6-2 Immunity standard for Industrial Environment EN IEC 61000-6-4 Emission standard for Industrial Environment, includes EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8
FCC	FCC part 15B Class A



Ordering Information

Model Name	Description
DS210 v2	Industrial 8FE+2G Combo Unmanaged Ethernet Switch
	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
PSD20-24	20W/24VDC DIN-rail power supply
PSD40-24	40W/24VDC DIN-rail power supply