

Ultra Compact Unmanaged Switch for Automation

DS105 series

Industrial 5-port Unmanaged Ethernet Switch

DS105 is a cost effective industrial 5-port Ethernet switch for industrial Ethernet connection. The rugged design can stand for harsh environment and wide temperature (from -40 to 75°C) use. Ultra low power design consumes less than 1W during full traffic. The compact size can fit in for space limited installation such as vehicle wall-mounting or Dinmount for cabinets. Micro USB DC 5V power input is flexible for installation.















Features & Benefits

Ethernet Network Switching

- 5-port 10/100BaseTX Ethernet with auto Negotiation, auto MDI/MDIX
- · Stores and forwards with non-blocking switch fabric

IEEE 802.3az EEE Power Management

- · Ultra low power design, less than 1W when full loading
- Energy Efficient Ethernet for low power requirement
- · Idle power saving mode for energy efficiency

Broadcast Storm Protection & QoS

- Auto drop excessive incoming broadcast packets for network availability protection
- Port-based QoS port for Ethernet Port 4/5

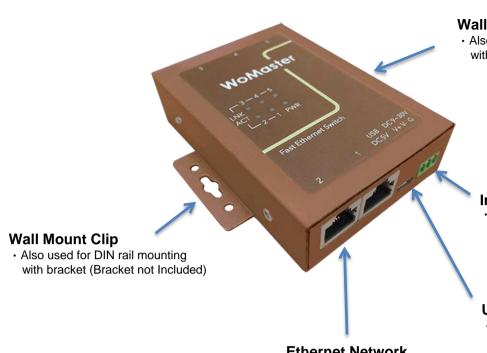
Versatile Power Input and Mounting

- 5~30VDC wide range power input
- Micro USB connector for USB DC 5V power input
- Redundant power design: 5~30V/USB 5V
- · Support Wall-mount and Din-mount

Rugged Mechanical Design

- Ultra compact mechanical design
- Wide operating temperature range -40 ~ 75°C
- CE marking
- · IEC61000-6-2/IEC61000-6-4 heavy industrial EMC





Wall Mount Clip

· Also used for DIN rail mounting with bracket (Bracket not Included)

Integrated Power Connector

- · 3-Pin Removable Terminal Connector
 - 2 Pin for Power Input (V+, V-)
 - 1 Pin for Ground

USB 5V Power Input

MicroUSB Connector

Ethernet Network

• 5-port 10/100MBase-TX (3-port on top, 2-port on bottom)



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(mm)



IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3az Energy Efficient Ethernet Store and Forward Technology with Non-Blocking Switch Fabric 1K 448K bits Supported
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1K 448K bits
1K 448K bits
448K bits
Supported
Port Based QoS on Ethernet Port 4/5
10Base-T: 14,880pps, 100Base-TX: 148,800pps
5 x 10/100Base-TX RJ45, Auto Negotiation, Auto MDI/MDIX
1 x Power: Green On 5 x Ethernet Port: Link (Green On), Activity (Green Blinking)
MicroUSB for DC 5V or 3-Pin Removable Terminal Connector 2 Pin for Power Input (V+, V-) 1 Pin for Ground
24VDC(5~30 VDC) in Terminal Block or 5 VDC in MicroUSB Redundant power: 5~30V/USB 5V
Yes
0.034A@24V
Max. 0.81W@24V full traffic, suggest to reserve 15% tolerance
Wall mount/DIN Rail
Steel Metal
98 (D) x 89 (H) x 26mm (W) / with wall mounting clip 98 (D) x 67 (H) x 26mm (W) / without wall mounting clip
IP40
220g without package
-40°C~75°C , 0%~95% Non-Condensing
-40°C~80°C
>200,000 hours
5 years
EN61000-6-2/EN61000-6-4
CISPR 22, FCC part 15B Class A
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
DS105	Industrial 5-port Unmanaged Ethernet Switch
	Package List
	1 x Product Unit
	1 x Attached 3-pin Removable Terminal Block Connector
	1 x Quick Installation Guide