

DC Series Industrial Fast Ethernet Switches

VEICHI DC Series industrial Fast Ethernet switches are designed for reliable operation in demanding industrial environments. Based on proven switching technology and open Ethernet standards, the series provides stable 10/100 Mbps connectivity and is engineered to withstand extreme temperatures, electromagnetic interference, salt spray, shock and vibration.

Available with 5 or 8 Fast Ethernet RJ45 ports and redundant dual 9–56 VDC power inputs, the switches are suitable for network aggregation and flexible deployment in industrial applications. Typical applications include industrial automation, intelligent transportation systems, building automation, mining, oilfield automation, hydropower stations, power systems and equipment-room monitoring.



Product Features

5 or 8 Fast Ethernet RJ45 ports for flexible 10/100 Mbps networking

Up to 1 Mbit packet buffer for smooth 4K video transmission

IEEE 802.3/802.3u/802.3x compliant; store-and-forward switching

Large backplane bandwidth and switching buffer for wire-speed forwarding on all ports

Redundant dual DC power inputs with reverse-polarity and overcurrent protection

-35 to +75 °C operating temperature for harsh industrial environments

IP40-rated rugged metal enclosure with fanless, low-power design

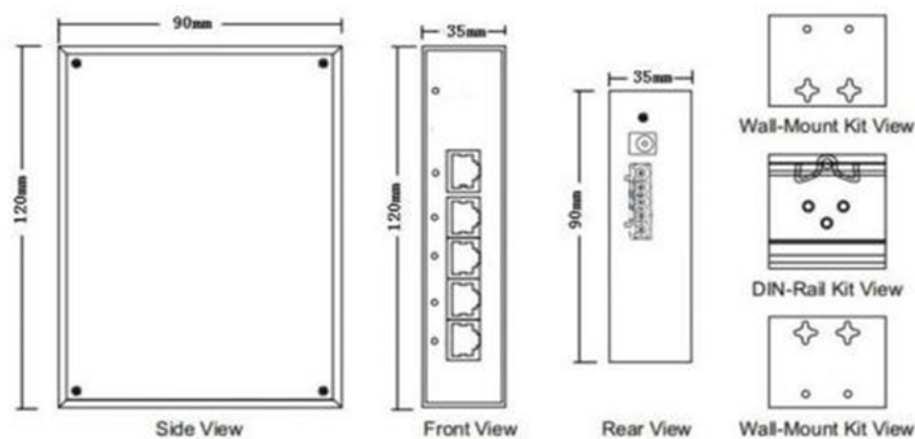
Vibration-resistant DIN-rail or wall mounting; plug-and-play installation in compact cabinets

Technical Specifications

Specification		
Specification	DC-105	DC-108
Port Speed	10/100 Mbps auto-negotiation	
Ports	5 x RJ45	8 x RJ45
Power Connector	5-pin, 3.81 mm pitch terminal block	
Standards	IEEE802.3 IEEE802.3u IEEE802.3x	
Buffer Size	1M	
Max. Frame Size	2046Bytes	
MAC Address Table	1K	
Forwarding Mode	Store-and-forward; full-/half-duplex	
Latency	< 7 μ s	
Backplane Bandwidth	1Gbps	1.6Gbps
Packet Forwarding Rate	0.74Mpps	1.19Mpps
Operating Voltage	DC 9~56V	
Power Consumption	<3W	
Protection Rating	IP40	
Mounting	DIN-rail / wall mounting	
Dimensions (L x W x H)	120 mm×90 mm×35mm	100 mm×78mm×40mm

Dimension Drawings

DC-105



DC-108

