

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

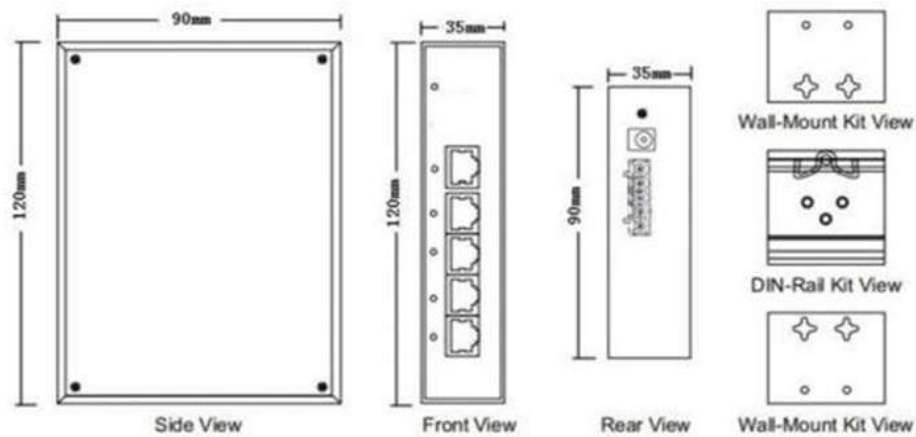
Vibration-resistant DIN-rail or wall mounting; plug-and-play installation in compact cabinets

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

