

VIL-1009-2F

Industrial 9-port Fast Ethernet Layer 2 managed Ethernet Switch, 7 10/100Base T(X) Ports, 2 100Base SFP Ports, IP 30, 12V to 58V DC, Rugged and Fan-less Design with Compact Size, -40°C to 75°C Extended Temperature



Features

- 7 10/100 Mb Copper Ports with 2 100Mb Based SFP Ports
- Layer 2 Line-Speed Switching Fabric, Non-Blocking
- Network Redundancy LACP, Spanning Tree Protocol, STP, RSTP
- Port-based VLAN, IEEE 802.1Q Tag-based VLAN
- Redundant Power Input 12V to 58V DC
- Reverse Power Protection
- Bandwidth Management
- SNMP v1/v2c, Trap
- Support Din-Rail or Wall Mount Installation
- Fan-Less Design with Wide-Temperature Range (-40°C to 75°C)
- Loop Protection
- IP 30 Protection
- Rugged and Compact Size Design
- Fault Alarm Notification (Power down)



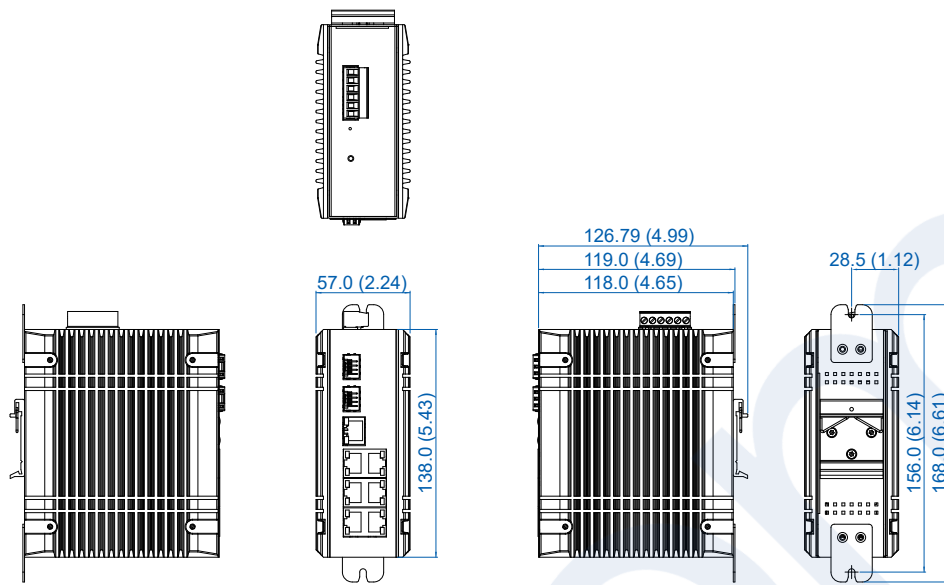
Specifications

Ethernet	
Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC Addresses	16K
Packet Buffer	4Mbits
Backplane/Switching Fabric	1.8Gbps
RJ45 Copper Ports	
Speed	10/100 Mbps
MDI/MDIX Auto-crossover	Support straight or cross wired cables
Auto-negotiation/Duplex	10/100 Mbps speed auto-negotiation; Full & Half Duplex
Ethernet Port Protection	1.5kV VRMS 1minute (Hi-pot), 2kV surge immunity on RJ45 Copper ports
Fiber Ports	
Port Types Supported	100 Base SFP Slot
Fiber Port Connector	LC/RJ45 connector for fiber ports
Optimal Fiber Cable	<ul style="list-style-type: none"> Typical 50 or 62.5/125 μm for multimode (mm) Typical 8 or 9/125 μm for single mode (sm)
Network Redundancy	
Spanning Tree Protocol	IEEE 802.1D/1w, STP/RSTP
Port Trunk/LACP	Static Trunk or LACP (Link Aggregation Control Protocol)
Bridge, VLANs, Protocols	
Flow Control	IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
Max VLANs	256
VLAN Types	Port-Based VLAN, IEEE 802.1Q tag-based VLAN
Multicast Protocols	<ul style="list-style-type: none"> IGMP v1, v2, up to 255 multicast groups IGMP snooping, querying
LLDP	IEEE 802.1ab LLDP
Traffic Management & QoS	
Priority	IEEE 802.1p QoS
Number of Queues Per Port	8
Scheduling Schemes	SPQ, WRR
Security	
Port Security	IP and MAC-based Access Control/Filter, Auth User/Privilege Level Control
Storm Control	Multicast/Broadcast/Flooding Storm Control/Port Access Control/Limiters
Power	
Power Input	12V to 58V, DC-IN
Power Interface	Redundant Power Input, DC Input, 6-pin Removable Terminal Block
Reverse Power Protection	Yes
Transient Protection	> 15, 000 Watts peak
Power Consumption	12.5Watt

Management	
User Management Interfaces	<ul style="list-style-type: none"> Web-based Management SNMP V1, V2c, Trap, Telnet (5 sessions)
Management Security	HTTPs, SSH, Access Management, Loop Protection
Upgrade & Restore	<ul style="list-style-type: none"> TFTP for Configuration Import/Export TFTP for Firmware Upgrade
Diagnostic	<ul style="list-style-type: none"> Syslog, Level Info/Warning/Error Port Mirror, Per VLAN mirroring, CPU Load Monitor, Traffic Counter ICMP Ping
DHCP	Client Mode, Server Mode, Relay Mode, Snooping
SNTP	YES
System Status	Device info/status; Ethernet port status
Green Ethernet	Port Power Savings
Indicators	
Power Status Indication	Power Input Status
Ethernet Port Indication	Link & Speed
Protocols & Standards	
Protocols & Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1D/w, IEEE 802.1Q/p, IEEE 802.1ab, IEEE 802.1X, IEEE 802.3ad LLDP, IPv4/IPv6, SNMP v1/v2c, TFTP, ARP, RARP, Telnet, Syslog, Flow Control, Back Pressure, ICMP, UPD, TCP
Mechanical	
Protection	IP30
Dimensions (H x W x L)	138mm x 57mm x 118mm (5.43" x 2.24" x 5") (without DIN rail clip)
Weight	0.430 kg (0.95lb)
Installation	<ul style="list-style-type: none"> DIN Rail Mount Wall Mount (Optional)
Relay Output	1A, 24V, Normal close
Environment	
Operating Temperature	-40°C to 75°C (-40°F to 167°F) (Cold Startup @ -40°C)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, Non-condensing
Relative Humidity	95% @ 75°C
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Free Fall	IEC 60068-2-32
Electrical Safety	CE
EMC	<ul style="list-style-type: none"> FCC Part 15B Class A CISPR 22 (EN55032) Class B, EN55024, EN55035 IEC-61000-4-2, -3, -4, -5, -6, -8 (Level 3)
RoHS	RoHS (Pb free)
MTBF	>220,000 hrs

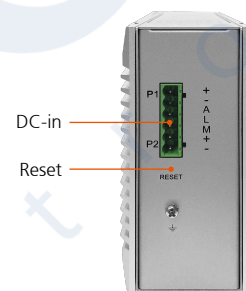
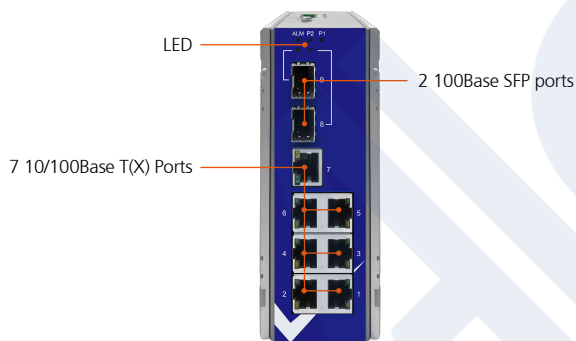
Dimensions

Unit : mm/ inch



Front I/O

Top I/O



Order Information

VIL-1009-2F	VIL-1009-2F, Industrial 9-Port Fast Ethernet Layer 2 managed Ethernet Switch, 7 10/100Base T(X) Ports, 2 100Base SFP Ports, with Din Rail, -40°C to 75°C
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Accessories

PWA-25W1-WT	25W, 48V, 85V AC to 264V AC Power Adapter with 6-pin Terminal Block (5.08mm pitch), Wide Temperature -30°C to 70°C
Wall Mount	Wall-mounting Kit for Ethernet Switch

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