

# VLS-2010-2F

Industrial 10-port Full Gigabit Layer 2 unmanaged Ethernet Switch, 8 10/100/1000Base T(X) Ports, 2 100/1000Base SFP Ports, IP 30, 12V to 58V DC, Rugged and Fan-less Design with Compact Size, -40°C to 75°C Extended Temperature



## Features

- 8 Giga Copper Ports with 2 100/1000 SFP Ports
- Support 9K Jumbo Frames
- IEEE 802.3x Flow Control & Back-Pressure
- Layer 2 Line-Speed Switching Fabric, Non-Blocking
- Fan-Less Design with Wide-Temperature Range (-40°C to 75°C)
- Redundant Power Input 12V to 58V DC
- Reverse Power Protection
- Support Din-Rail or Wall Mount Installation
- IP 30 Protection
- Rugged and Compact Size Design



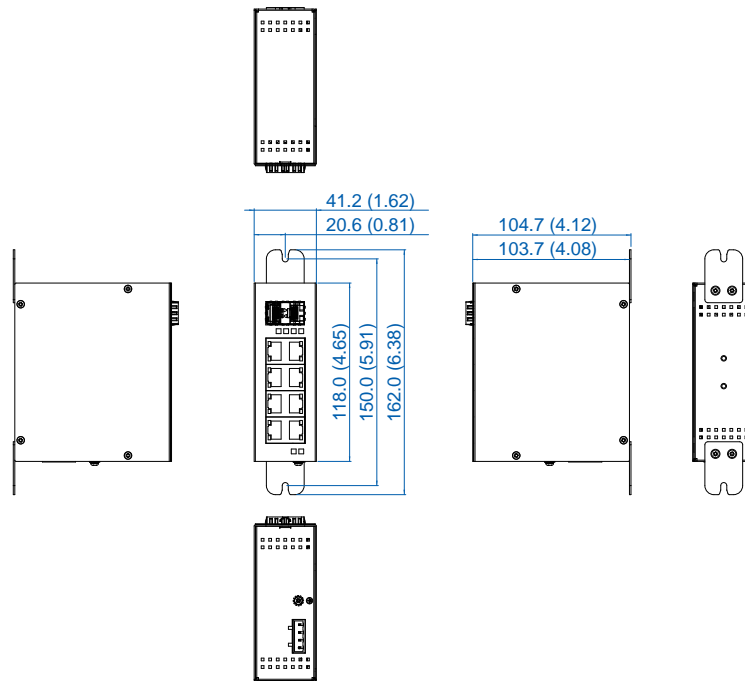
## Specifications

Ethernet	
<b>Operating Mode</b>	Store and Forward, L2 wire-speed/non-blocking switching engine
<b>MAC Addresses</b>	8K
<b>Packet Buffer</b>	4Mbits
<b>Jumbo Frame</b>	9K
<b>Backplane/Switching Fabric</b>	20Gbps
RJ45 Copper Ports	
<b>Speed</b>	10/100/1000 Mbps
<b>MDI/MDIX Auto-crossover</b>	Support straight or cross wired cables
<b>Auto-negotiation/Duplex</b>	10/100/1000 Mbps speed auto-negotiation; Full & Half Duplex
Fiber Ports	
<b>Port Types Supported</b>	100/1000 Base SFP Slot
<b>Fiber Port Connector</b>	LC/RJ45 connector for fiber ports
<b>Optimal Fiber Cable</b>	<ul style="list-style-type: none"> <li>▪ Typical 50 or 62.5/125 µm for multimode (mm)</li> <li>▪ Typical 8 or 9/125 µm for single mode (sm)</li> </ul>
Power	
<b>Power Input</b>	12V to 58V, DC-in
<b>Power Interface</b>	Redundant Power Input, DC Input, 4-pin Removable Terminal Block
<b>Reverse Power Protection</b>	Yes
<b>Power Consumption</b>	9 Watt
Indicators	
<b>Power Status Indication</b>	Power Input Status
<b>Ethernet Port Indication</b>	Link & Speed

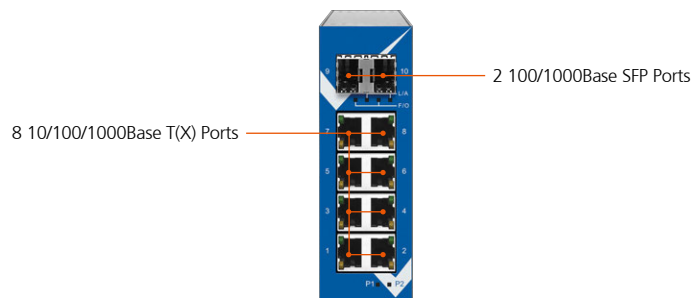
Standards	
<b>Standards</b>	IEEE 802.3, IEEE 802.3x, Flow Control, Back Pressure, ICMP, TCP/UDP
Mechanical	
<b>Dimensions (H x W x L)</b>	117.8mm x 39mm x 96.9mm (4.64" x 1.54" x 3.81") (without DIN rail clip)
<b>Weight</b>	0.385 kg (0.85lb)
<b>Installation</b>	<ul style="list-style-type: none"> <li>▪ DIN Rail Mount</li> <li>▪ Wall Mount (Optional)</li> </ul>
<b>Protection</b>	IP30
Environment	
<b>Operating Temperature</b>	-40 to 75°C (-40°F to 167°F) (Cold Startup @ -40°C)
<b>Storage Temperature</b>	-40°C to 85°C (-40°F to 185°F)
<b>Humidity</b>	5% to 95% Humidity, Non-condensing
<b>Relative Humidity</b>	95% @ 75°C
<b>Shock</b>	IEC 60068-2-27
<b>Vibration</b>	IEC 60068-2-6
<b>Free Fall</b>	IEC 60068-2-32
<b>Electrical Safety</b>	CE
<b>EMC</b>	<ul style="list-style-type: none"> <li>▪ FCC Part 15B Class A</li> <li>▪ CISPR 22 (EN55032) Class B, EN55024, EN55035</li> <li>▪ IEC-61000-4-2, -3, -4, -5, -6, -8 (Level 3)</li> </ul>
<b>RoHS</b>	RoHS (Pb free)
<b>MTBF</b>	>25 years

## Dimensions

Unit : mm/ inch



## Front I/O



## Order Information

<b>VLS-2010-2F</b>	VLS-2010-2F, Industrial 10-port Full Gigabit Layer 2 unmanaged Ethernet Switch, 8 10/100/1000Base T(X) Ports, 2 100/1000Base SFP Ports, with Din Rail, -40°C to 75°C
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### Accessories

<b>PWA-25W-WT</b>	25W, 48V, 85V AC to 264V AC Power Adapter with 4-pin Terminal Block (5.08mm pitch), Wide Temperature -30°C to 70°C
<b>Wall Mount</b>	Wall-mounting Kit for Ethernet Switch