

## Industrial Ethernet IE-SW-VL08MT-5TX-1SC-2SCS

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### Product image



The Value Line from Weidmüller consists of unmanaged and managed switches in a high-quality IP 30 protected metal housing. The equipment can be delivered with Fast Ethernet and Gigabit Ethernet ports. Value Line managed switches support a variety of helpful management functions, such as fast ring redundancy, port-based VLAN, QoS, RMON, bandwidth management, port mirroring and error notification via e-mail or a relay. The ring redundancy can be simply set via the web based management interface, or with a dip switch found on the top of the switch.

- Unmanaged Plug & Play switches in a high-quality metal housing (IP 30)
- Price-conscious middle-range
- Managed switches for the entry into a configurable network infrastructure
- Unmanaged full Gigabit switch with 8 ports
- Approvals: CE, FCC, cULus, Class I Div. 2 / ATEX, DNV / GL

### General ordering data

Type	IE-SW-VL08MT-5TX-1SC-2SCS
Order No.	<a href="#">1345240000</a>
Version	Network switch, managed, Fast Ethernet, Number of ports: 5x RJ45, 1 * SC Multi-mode, 2 * SC Single-mode, IP30, -40 °C...75 °C
GTIN (EAN)	4050118149708
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	53.6 mm	Width (inches)	2.11 inch
Height	135 mm	Height (inches)	5.315 inch
Depth	105 mm	Depth (inches)	4.134 inch
Net weight	890 g		

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**EMC conformity and approvals**

EMC standards	EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, IEC 61000-4-8	Free fall	according to IEC 60068-2-32
Security	UL508, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

**Environmental conditions**

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

**Fibre optic 100BaseFX**

Link budget multimode	12 dB	Link-budget singlemode	29 dB
Max. TX multi-mode	-10 dBm	Max. TX single-mode	0 dBm
Min. TX multi-mode	-20 dBm	Min. TX single-mode	-5 dBm
Receive sensitivity multi-mode	-32 dBm	Receive sensitivity single-mode	-34 dBm
System reserve multi-mode	-6 dBm	System reserve single-mode	-3 dBm
Typical distances multi-mode	5 km (50/125 µm, multi-mode cable), 4 km (62.5/125 µm multi-mode cable)	Typical distances single-mode	40 km (9/125 µm, single-mode cable)
Wavelength multi-mode	1,300 nm	Wavelength single-mode	1,310 nm

**Guarantee**

Time interval 5 years

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### Technical data

#### Interfaces

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Console port interface	RS-232
DIP switch	Turbo-Ring, Master, Coupler, Reserve	Fibre-optic ports	100BaseFX ports (SC connector), Multimode, Singlemode
LED indicator	PWR1, PWR2, FAULT, MSTR/HEAD, CPLR/TAIL, 10/100M (TP-Port), 100M (fibre-optic port).	Note 1	When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.
Number of ports	5x RJ45, 1 * SC Multi-mode, 2 * SC Single-mode	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

#### MTBF

MTBF	1,102,845 hrs	MTBF	Telcordia (Bellcore), GB
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#### Power supply

Connection type	1 removable 6-pin terminal block	Current consumption	0.32 A bei 24 V
Overload current protection	Existing	Reverse polarity protection	Available
Supply voltage, max	45 V DC	Supply voltage, min.	12 V DC
Voltage supply	24 V DC, 2 redundant inputs		

#### Switch characteristics

IGMP-Groups	256	MAC table size	8 K
Max. number of available VLANs	64	Packet buffer size	1 Mbit
Priority queues	4	VLAN-ID max	4,094
VLAN-ID min	1		

#### Technical data

Housing main material	metal	Protection degree	IP30
Type of mounting	Rail		

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**Technical data****Technology**

Flow control	IEEE 802.3x flow control, Back pressure flow control	MIB	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9
Protocol	IGMPv1/v2, GMRP, GVRP, SNMPv1/v2c/v3, DHCP Server/Client, TFTP, SNTP, SMTP, RARP, RMON, HTTP, Telnet, Syslog, DHCP option 66/67/82, BootP, LLDP, PROFINET, EtherNet/IP, Modbus/TCP, IPv6	Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX, IEEE 802.3x for flow control, IEEE 802.1D-2004 for the Spanning Tree protocol, IEEE 802.1w for Rapid STP, IEEE 802.1p for Class of Service, IEEE 802.1Q for VLAN tagging

**Classifications**

ETIM 5.0	EC000734	ETIM 6.0	EC000734
eClass 6.2	19-17-01-06	eClass 7.1	19-17-01-06
eClass 8.1	19-17-01-06	eClass 9.0	19-17-01-06
eClass 9.1	19-17-01-06		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">ODVA Certificate</a> <a href="#">EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 EN</a>
Product Change Notification	<a href="#">Firmware Release Notes</a> <a href="#">Product Change Notification IE-SW-VL08MT-series</a>
Software	<a href="#">SNMP MIB file</a> <a href="#">GSDML IE-SW-VL08M-series</a> <a href="#">EDS IE-SW-VL08M-series</a> <a href="#">Managed Switch Configuration Utility</a> <a href="#">Firmware Version 3.5.2</a>
User Documentation	<a href="#">Hardware Installation Guide</a> <a href="#">Manual</a>