

**Industrial Ethernet
IE-SW-VL08MT-6TX-2SC****Weidmüller Interface GmbH & Co. KG**

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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-6TX-2SC
Order No.	1344770000
Version	Network switch, managed, Fast Ethernet, Number of ports: 6x RJ45, 2x SC Multi-mode, IP30, -40 °C...75 °C
GTIN (EAN)	4050118147001
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
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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	Safety standard	UL508, UL 60950-1, EN 60950-1
Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6	Free fall	According to IEC 60068-2-32

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 transceiver characteristics

Transmission rate	100 Mbps
Transceiver type	Multimode
Connector type	SC-Duplex
Transmission distance, typ.	5 km
Wavelength	typ. 1,300 nm
	Wavelength TX
	min. 1,260 nm
	max. 1,360 nm
	Wavelength RX
	min. 1,100 nm
	max. 1,600 nm
Receive power	min. -32 dBm
	max. -3 dBm
Transmission power	min. -20 dBm
	max. -10 dBm

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Guarantee

Time interval	5 years
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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	LED indicator	PWR1, PWR2, FAULT, MSTR/HEAD, CPLR/TAIL, 10/100M (TP-Port), 100M (fibre-optic port).
Number of ports	6x RJ45, 2x SC Multi-mode	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF	1,277,138 hrs	Database	Telcordia (Bellcore), GB
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Power supply

Connection type	1 removable 6-pin terminal block	
Current consumption	Voltage	24 V DC
	Current	0.35 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	12/24/48 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	9.6 V
	Voltage, max.	60 V

Switch characteristics

Bandwidth backplane	1.6 Gbps	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

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Housing main material	metal	Protection degree	IP30
Type of mounting	DIN rail, Panel (with optional mounting kit)		

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Technology

Data switching	Store and Forward	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, SNMP, 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) and 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 6.0	EC000734	ETIM 7.0	EC000734
eClass 9.0	19-17-01-06	eClass 9.1	19-17-01-06
eClass 10.0	19-17-04-01		

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	ODVA Certificate ATEX certificate EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 18/19 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
Product Change Notification	Firmware Release Notes Product Change Notification IE-SW-VL08MT-series
Software	SNMP MIB file GSDML IE-SW-VL08M-series EDS IE-SW-VL08M-series Managed Switch Configuration Utility Firmware Version 3.5.22
User Documentation	Hardware Installation Guide Manual 20191204 Security Advisory IE Managed Switches

Creation date April 16, 2020 12:41:28 PM CEST

Catalogue status 03.04.2020 / We reserve the right to make technical changes.