

## Industrial Ethernet IE-SW-VL08MT-8TX

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

### 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-8TX
Order No.	<a href="#">1240940000</a>
Version	Network switch, managed, Fast Ethernet, Number of ports: 8x RJ45, IP30, -40 °C...75 °C
GTIN (EAN)	4050118028676
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	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	Ship use	DNV-GL
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		

### Guarantee

Time interval 5 years

### 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)
Number of ports	8x RJ45	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

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**Technical data**
**MTBF**

MTBF	1,339,439 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	0.26 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

**Technical data**

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

**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), 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		

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">ODVA Certificate</a> <a href="#">PNO Certificate</a> <a href="#">DNV-GL certificate</a> <a href="#">ATEX certificate</a> <a href="#">KC certificate</a> <a href="#">EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 9.IETH 18/19 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</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 3.5.22</a>
User Documentation	<a href="#">Hardware Installation Guide</a> <a href="#">Manual</a> <a href="#">20191204 Security Advisory IE Managed Switches</a>

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**Accessories**

**Mounting kit for 19" rack assembly**

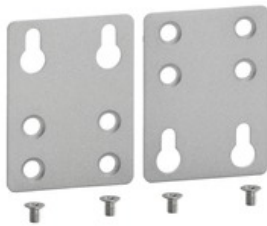
- For assembling DIN rail-based devices on 19" racks



**General ordering data**

Type	RM-KIT	Version
Order No.	<a href="#">1241440000</a>	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	

**Mounting kit for wall mounting**



Mounting kit for alternative wall-mounting of DIN rail-based (top-hat type) Industrial Ethernet components.

**IE-WALLMOUNT-KIT-30MM** for use with:

- Industrial Ethernet Switches of the product range **IE-SW-BL05**

**IE-WALLMOUNT-KIT-46MM** for use with:

- Industrial Ethernet Switches of the product ranges **IE-SW- BL06/BL08/VL05/VL08/VL09/VL16/PL06/PL08/PL09/PL10/PL16/PL18**
- Industrial Ethernet media converters of the product range **IE-MC-VL**
- Industrial Ethernet switches of the product range **IE-WL-AP**

**General ordering data**

Type	IE-WALLMOUNT-KIT-46MM
Order No.	<a href="#">1504440000</a>
GTIN (EAN)	4050118312317
Qty.	1 pc(s).

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**Accessories**

**Configuration module**



**Module for saving and loading a device configuration**

- Reduced system downtime by simple reconfiguration if equipment is swapped over
- Automatic loading of the saved configuration possible after device restart
- Compact and robust design
- Useable with all Weidmüller managed switches and industrial WLAN devices

**General ordering data**

Type	EBR-MODULE RS232	Version	
Order No.	<a href="#">1241430000</a>	Configuration module, IP40, 0 °C...60 °C	
GTIN (EAN)	4050118029086		
Qty.	1 pc(s).		

**Ethernet (Cat.6)**



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

**General ordering data**

Type	VDATA CAT6	Version	
Order No.	<a href="#">1348590000</a>	Terminal rail fixing, Surge protection, 1 A, According to IEC61643-21	
GTIN (EAN)	4050118153002		
Qty.	1 pc(s).		