

## IE-SW-VL08MT-6TX-2SCS

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://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

Version	Network switch, managed, Fast Ethernet, Number of ports: 6x RJ45, 2 * SC Single-mode, IP30, -40 °C...75 °C
Order No.	<a href="#">1241020000</a>
Type	IE-SW-VL08MT-6TX-2SCS
GTIN (EAN)	4050118028935
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E230683
Certificate no. (cULusEX)	E344136

**Dimensions and weights**

Depth	105 mm	Depth (inches)	4.1338 inch
Height	135 mm	Height (inches)	5.3149 inch
Width	53.6 mm	Width (inches)	2.1102 inch
Net weight	890 g		

**Temperatures**

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

**Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

**EMC conformity and approvals**

Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc	Free fall	According to IEC 60068-2-32
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	Vibration	according to IEC 60068-2-6
Shock	according to IEC 60068-2-27	Ship use	DNV
Safety standard	UL508, UL 60950-1, EN 60950-1		

**Environmental conditions**

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

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## Technical data

Storage temperature, min. -40 °C

### Fibre optic transceiver characteristics

Transmission rate	100 Mbps	
Transceiver type	Singlemode	
Connector type	SC-Duplex	
Transmission distance, typ.	40 km	
Wavelength	typ.	1310 nm
	Wavelength	TX
	min.	1280 nm
	max.	1340 nm
	Wavelength	RX
	min.	1100 nm
Receive power	min.	-34 dBm
	max.	-3 dBm
Transmission power	min.	-5 dBm
	max.	0 dBm

Note 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.

### Guarantee

Time interval 5 years

### Interfaces

Fibre-optic ports	100BaseFX ports (SC connector), Singlemode	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Console port interface	RS-232	Function DIP switch	Turbo-Ring, Master, Coupler, Reserve
Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Number of ports	6x RJ45, 2 * SC Single-mode
LED indicator	PWR1, PWR2, FAULT, MSTR/HEAD, CPLR/TAIL, 10/100M (TP-Port), 100M (fibre-optic port).		

### MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	1294561 h

### Management features

Device configuration	Webbrowser (HTTP/HTTPS), SNMP v1/v2c/v3, Telnet console, Local serial console port (RS-232 via RJ-45 port), Windows tool	Monitoring function	SNMP v1/v2c/v3, Link Layer Discovery Protocol (LLDP), Port mirroring, Port statistics, Port monitoring, Syslog, RMON (Remote monitoring), Event based warning via E-Mail, Event based warning via relay, Event based warning via SNMP trap
Network redundancy	Spanning Tree Protocol (STP), Rapid Spanning Tree	Network traffic filter	Quality of Service (QoS), Tag based VLAN, Port

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	Protocol (RSTP), Turbo-Ring (recovery time <20 ms), Turbo-Chain (recovery time <20 ms)		based VLAN, IGMP v1/v2, GMRP, Traffic Rate Limiting
IP-address management	Static, BootP, RARP, DHCP-Client, DHCP-Server (port based), DHCP Option 82 (Relay Agent)	Security functions	VLAN segmentation, Enable/disable ports, Loop protection
Time synchronization management	SNTP client, NTP client	Industrial protocol support	PROFINET device acc. to conformance class B, EtherNet/IP, Modbus/TCP slave

**Power supply**

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

**Switch characteristics**

Priority queues	4	Max. number of available VLANs	64
VLAN-ID min	1	VLAN-ID max	4094
IGMP-Groups	256	MAC table size	8 K
Packet buffer size	1 Mbit	Bandwidth backplane	1.6 Gbit/s

**Technical data**

Housing main material	Metal	Type of mounting	DIN rail
Protection degree	IP30	Speed	Fast Ethernet
Switch	managed		

**Technology**

MIB	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9	Data switching	Store and Forward
Flow control	IEEE 802.3x flow control, Back pressure flow control	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 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-01
ECLASS 15.0	19-17-04-01		

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## Accessories

**Configuration backup and restore module (for use with switches of Value- and PremiumLine such as Basic- and ValueLine WLAN devices)**


- 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 ST		

## 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 ST		

## Ethernet



- 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

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## Accessories

### General ordering data

Type	VDATA CAT6	Version
Order No.	<a href="#">1348590000</a>	Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1,
GTIN (EAN)	4050118153002	802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4
Qty.	1 ST	