

IE-SW-VL08MT-5TX-1SC-2SCS

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

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: 5x RJ45, 1 * SC Multi-mode, 2 * SC Single-mode, IP30, -40 °C...75 °C |
| Order No. | 1345240000 |
| Type | IE-SW-VL08MT-5TX-1SC-2SCS |
| GTIN (EAN) | 4050118149708 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

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

| | | | |
|-----------------|-------------------------------|---------------|--|
| 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 |
| 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 |
| Storage temperature, min. | -40 °C | | |

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Fibre optic transceiver characteristics

| | | | |
|-------------------|-----------|------------------|---|
| Transmission rate | 100 Mbps | Transceiver type | Multimode, Singlemode |
| Connector type | SC-Duplex | 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), Multimode, 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 | 5x RJ45, 1 * SC Multimode, 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. | 1253072 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 Protocol (RSTP), Turbo-Ring (recovery time <20 ms), Turbo-Chain (recovery time <20 ms) | Network traffic filter | Quality of Service (QoS), Tag based VLAN, Port 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 |

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Technical data

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 | 0.32 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, Panel (with optional mounting kit) |
| 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. | 1241430000 | 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. | 1241440000 | 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. | 1348590000 | 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 | |