

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

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## Technical data

## Dimensions and weights

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

## Temperatures

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

## 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 |                             |
| Safety standard | UL508, UL 60950-1, EN 60950-1                                                                                                                                                                                                                                                            | Shock     | According to IEC 60068-2-32 |
| Vibration       | according to IEC 60068-2-6                                                                                                                                                                                                                                                               |           | according to IEC 60068-2-27 |

## 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, Singlemode                                                                                                                                                             |
| Connector type    |           | 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. |
|                   | SC-Duplex |                  |                                                                                                                                                                                   |

## 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                                        |
| Fibre-optic ports | 100BaseFX ports (SC connector), Multimode, Singlemode                                | Function 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        | 5x RJ45, 1 * SC Multimode, 2 * SC Single-mode |
| RJ45 ports        | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port        |                        |                                               |

## MTBF

|      |                              |                          |
|------|------------------------------|--------------------------|
| MTBF | According to Standard        | Telcordia (Bellcore), GB |
|      | Operating time (hours), min. | 1,253,072 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                                                                                                                                                                 |

## Power supply

|                             |                                   |
|-----------------------------|-----------------------------------|
| Connection type             | 1 removable 6-pin terminal block  |
| Current consumption         | Voltage 24 V DC                   |
|                             | Current 0.32 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                |

Creation date January 31, 2023 10:26:33 AM CET

Catalogue status 24.01.2023 / We reserve the right to make technical changes.

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## 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    |
| Speed                 | Fast Ethernet                                | Switch            | managed |
| 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 | 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    |
| ETIM 8.0    | EC000734    | ECLASS 9.0  | 19-17-01-06 |
| ECLASS 9.1  | 19-17-01-06 | ECLASS 10.0 | 19-17-04-01 |
| ECLASS 11.0 | 19-17-04-01 | ECLASS 12.0 | 19-17-04-01 |

## Environmental Product Compliance

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | 9229992a-00b9-4096-8962-200a7f33e289 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E141197    |

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### Downloads

|                                             |                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">ODVA Certificate</a><br><a href="#">EU Declaration of Conformity</a>                                                                                                                                                                                                                            |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                             |
| Product Change Notification                 | <a href="#">Firmware Release Notes</a><br><a href="#">Product Change Notification IE-SW-VL08MT-series</a>                                                                                                                                                                                                   |
| Software                                    | <a href="#">Software – Managed Switch Configuration Utility</a><br><a href="#">Device description – SNMP MIB file</a><br><a href="#">Device description – GSDML IE-SW-VL08M-series</a><br><a href="#">Firmware – Firmware Version 3.5.22</a><br><a href="#">Device description – EDS IE-SW-VL08M-series</a> |
| User Documentation                          | <a href="#">Hardware Installation Guide</a><br><a href="#">Manual</a><br><a href="#">20191204 Security Advisory - Multiple vulnerabilities in IE Managed Switches</a>                                                                                                                                       |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                    |
| Brochures                                   |                                                                                                                                                                                                                                                                                                             |