

Industrial Ethernet IE-SW-VL08MT-6TX-2SC

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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-6TX-2SC |
| Order No. | 1344770000 |
| Version | Network switch, managed, Fast Ethernet, Number of ports: 6x RJ45, 2 * 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

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 | 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 | Security | UL508, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1 |
| Shock | according to IEC 60068-2-27 | Vibration | according to IEC 60068-2-6 |

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 100BaseFX

| | | | |
|---------------------------|----------|--------------------------------|---|
| Link budget multimode | 12 dB | Max. TX multi-mode | -10 dBm |
| Min. TX multi-mode | -20 dBm | Receive sensitivity multi-mode | -32 dBm |
| System reserve multi-mode | -6 dBm | Typical distances multi-mode | 5 km (50/125 µm, multi-mode cable), 4 km (62.5/125 µm multi-mode cable) |
| Wavelength multi-mode | 1,300 nm | | |

Guarantee

Time interval 5 years

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Technical data**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, 2 * SC Multi-mode | RJ45 ports | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port |

MTBF

| | | | |
|------|---------------|------|--------------------------|
| MTBF | 1,102,845 hrs | MTBF | Telcordia (Bellcore), GB |
|------|---------------|------|--------------------------|

Power supply

| | | | |
|-----------------------------|----------------------------------|-----------------------------|-----------------|
| Connection type | 1 removable 6-pin terminal block | Current consumption | 0.35 A bei 24 V |
| Overload current protection | Existing | Reverse polarity protection | Available |
| Supply voltage, max | 45 V DC | Supply voltage, min. | 12 V DC |
| Voltage supply | 24 V DC, 2 redundant inputs | | |

Switch characteristics

| | | | |
|--------------------------------|-----|--------------------|--------|
| 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 | Rail | | |

Technology

| | | | |
|--------------|--|----------|---|
| 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, SNTP, 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) und 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 |

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| | | | |
|------------|-------------|------------|-------------|
| ETIM 5.0 | EC000734 | ETIM 6.0 | EC000734 |
| eClass 6.2 | 19-17-01-06 | eClass 7.1 | 19-17-01-06 |
| eClass 8.1 | 19-17-01-06 | eClass 9.0 | 19-17-01-06 |
| eClass 9.1 | 19-17-01-06 | | |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | ODVA Certificate ATEX certificate EU Declaration of Conformity |
| Brochure/Catalogue | CAT 9 IETH 15/16 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| 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 3.5.2 |
| User Documentation | Hardware Installation Guide Manual |