

Industrial Ethernet IE-SW-VL16-16TX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Product image



- Wide ranges of variations with 5 to 16 ports
- Variations for Gigabit Ethernet
- Two redundant power inputs 12/24/48 V DC
- Models with copper and fibre-optic interface (multimode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

General ordering data

| | |
|------------|---|
| Type | IE-SW-VL16-16TX |
| Order No. | 1241000000 |
| Version | Network switch, unmanaged, Fast Ethernet, Number of ports: 16x RJ45, IP30, 0 °C...60 °C |
| GTIN (EAN) | 4050118028867 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------|---------|-----------------|------------|
| Width | 80.5 mm | Width (inches) | 3.169 inch |
| Height | 135 mm | Height (inches) | 5.315 inch |
| Depth | 105 mm | Depth (inches) | 4.134 inch |
| Weight | 1,140 g | Net weight | 1,140 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, EN60950-1 |
| Ship use | DNV-GL | 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. | 60 °C |
| Operating temperature, min. | 0 °C | Storage temperature, max. | 85 °C |
| Storage temperature, min. | -40 °C | | |

Guarantee

Time interval 5 years

Interfaces

| | | | |
|--------------------|--|---------------|---|
| DIP switch | Port surveillance, Broadcast storm protection enable/disable | LED indicator | PWR1, PWR2, FAULT, 10/100M (TP-Port) |
| Number of ports | 16x RJ45 | RJ45 ports | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port |
| Signalling contact | 1 relay output with a current capacity of 1 A at 24 V DC | | |

MTBF

| | | | |
|------|-------------|------|------------------------|
| MTBF | 257,000 hrs | MTBF | MIL-HDBK-217F, GB 25°C |
|------|-------------|------|------------------------|

Creation date February 26, 2019 12:43:37 PM CET

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Technical data**Power supply**

| | | | |
|-----------------------------|-----------------------------------|-----------------------------|----------------|
| Connection type | 1 removable 6-pin terminal block | Current consumption | 0.27 A at 24 V |
| Overload current protection | 1.6 A | Reverse polarity protection | Available |
| Supply voltage, max | 60 V DC | Supply voltage, min. | 9.6 V DC |
| Voltage supply | 12/24/48 V DC, 2 redundant inputs | | |

Switch characteristics

| | | | |
|----------------|-----|--------------------|-----------|
| MAC table size | 4 K | Packet buffer size | 1.25 Mbit |
|----------------|-----|--------------------|-----------|

Technical data

| | | | |
|-----------------------|-------|-------------------|------|
| Housing main material | metal | Protection degree | IP30 |
| Type of mounting | Rail | | |

Technology

| | | | |
|----------------|---|--------------|---|
| 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) und 100BaseFX, IEEE 802.3x for flow control | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 4.0 | EC002598 | ETIM 5.0 | EC002598 |
| 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 | DNV-GL certificate EU Declaration of Conformity |
| Brochure/Catalogue | CAT 9 IETH 15/16 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | Hardware Installation Guide |

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