

IE-SW-VL16T-16TX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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 (multi-mode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

General ordering data

| | |
|------------|---|
| Version | Network switch, unmanaged, Fast Ethernet, Number of ports: 16x RJ45, IP30, -40 °C...75 °C |
| Order No. | 1286590000 |
| Type | IE-SW-VL16T-16TX |
| GTIN (EAN) | 4050118077414 |
| Qty. | 1 pièce(s) |

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Caractéristiques techniques

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 105 mm | Depth (inches) | 4,134 inch |
| Height | 135 mm | Height (inches) | 5,315 inch |
| Width | 80,5 mm | Width (inches) | 3,169 inch |
| Net weight | 1 140 g | | |

Temperatures

| | | | |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...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 | 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 | Safety standard | UL508, UL 60950-1, EN 60950-1 |
| Ship use | DNV | 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 | | |

Guarantee

| | |
|---------------|---------|
| Time interval | 5 years |
|---------------|---------|

Interfaces

| | | | |
|---------------------|--|---------------|---|
| Function 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 | | |

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MTBF

| | | |
|------|------------------------------|------------------------|
| MTBF | According to Standard | MIL-HDBK-217F, GB 25°C |
| | Operating time (hours), min. | 257 000 h |

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 | |
| 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 |

Switch characteristics

| | | | |
|---------------------|------------|----------------|-----|
| Bandwidth backplane | 3,2 Gbit/s | MAC table size | 4 K |
| Packet buffer size | 1,25 Mbit | | |

Technical data

| | | | |
|-----------------------|---------------|-------------------|-----------|
| Housing main material | metal | Protection degree | IP30 |
| Speed | Fast Ethernet | Switch | unmanaged |
| Type of mounting | DIN 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) and 100BaseFX, IEEE 802.3x for flow control | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000734 | ETIM 7.0 | EC000734 |
| ETIM 8.0 | EC000734 | ETIM 9.0 | EC000734 |
| ECLASS 9.0 | 19-17-01-06 | ECLASS 9.1 | 19-17-01-06 |
| ECLASS 10.0 | 19-17-04-02 | ECLASS 11.0 | 19-17-04-02 |
| ECLASS 12.0 | 19-17-04-02 | ECLASS 13.0 | 19-17-04-02 |
| ECLASS 14.0 | 19-17-04-02 | | |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c, 7a, 7cl |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 9229992a-00b9-4096-8962-200a7f33e289 |

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Caractéristiques techniques

Approvals

Approvals



| | |
|---------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E141197 |
| Certificate no. (cULusEX) | E223527 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DNV certificate ATEX certificate KC certificate EU Declaration of Conformity UK Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Hardware Installation Guide |
| Catalogues | Catalogues in PDF-format |
| Brochures | |