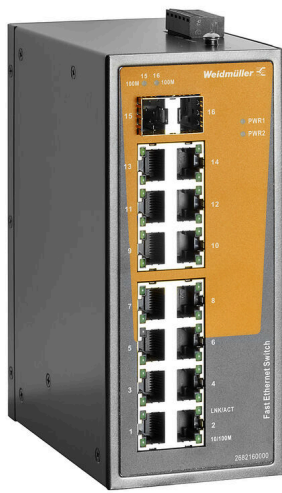


IE-SW-EL16-14TX-2FESFP

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

www.weidmueller.com

Do not use product for
 new developments, This
 Product will be discontin-
 ued soon



Features of EcoLine unmanaged Switch series

- Huge variety of port count and media type enable a wide range of applications (5 to 24 ports)
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Suitable for use in harsh industrial environment thanks to rugged design and wide operating temperature range of -40°C up to 75°C
- Reliable operation due to redundant voltage inputs, fault relay and LED diagnostics

General ordering data

| | |
|---------------------|--|
| Version | Network switch, unmanaged, Fast Ethernet, Number of ports: 14x RJ45, 2x Slots 100BaseSFP, IP30, -40 °C...75 °C |
| Order No. | 2682160000 |
| Type | IE-SW-EL16-14TX-2FESFP |
| GTIN (EAN) | 4050118692556 |
| Qty. | 1 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2025-11-29T00:00:00+01:00 |
| Alternative product | IE-SW-BLB-18-16TX-2GESFP |

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Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 140 mm | Depth (inches) | 5.5118 inch |
| Height | 170 mm | Height (inches) | 6.6929 inch |
| Width | 74 mm | Width (inches) | 2.9134 inch |
| Net weight | 1140 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) | 6c, 7a, 7cl |
| REACH SVHC | Lead 7439-92-1, Lead monoxide 1317-36-8 |
| SCIP | 9229992a-00b9-4096-8962-200a7f33e289 |

EMC conformity and approvals

| | | | |
|-----------------|-----------------------------|---------------|---|
| Free fall | According to IEC 60068-2-31 | EMC standards | EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0,5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms |
| Vibration | according to IEC 60068-2-6 | Shock | according to IEC 60068-2-27 |
| Safety standard | UL 61010-1, UL 61010-2-201 | | |

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 | |
| Operating altitude | Altitude, max. | 2000 m |
| | Note | in acc. with UL |
| | Altitude, max. | 6000 m |

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Note

for restrictions, see the manufacturer's declaration for operating altitude in section downloads

Guarantee

Time interval 5 years

Interfaces

| | | | |
|-------------------|----------------------------------|---------------|--|
| Fibre-optic ports | 100BaseSFP-Slot | RJ45 ports | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port |
| Number of ports | 14x RJ45, 2x Slots 100BaseSFP | LED indicator | Power LED: PWR1, PWR2, Port LED: LNK/ACT, 10/100M (RJ45 port), 100M (SFP-Port) |

MTBF

| | | |
|------|------------------------------|------------------|
| MTBF | According to Standard | Telcordia SR-332 |
| | Operating time (hours), min. | 7 19800 h |

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. | 10.8 V | |
| | Voltage, max. | 52.8 V | |
| Current consumption | Voltage | 24 V | |
| | Current | 0.34 A | |

Switch characteristics

| | | | |
|---------------------|------------|--------------------|-----------|
| MAC table size | 4 K | Packet buffer size | 2.75 Mbit |
| Bandwidth backplane | 3.2 Gbit/s | | |

Technical data

| | | | |
|-----------------------|-----------|------------------|---------------|
| Housing main material | Metal | Type of mounting | DIN rail |
| Protection degree | IP30 | Speed | Fast Ethernet |
| Switch | unmanaged | | |

Technology

| | | | |
|----------------|--|--------------|--------------------------|
| Data switching | Store and Forward | Flow control | IEEE 802.3x flow control |
| Standard | IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX and 100BASE-FX, IEEE 802.3x for flow control | | |

Classifications

| | | | |
|-----------|----------|-------------|-------------|
| ETIM 8.0 | EC000734 | ETIM 9.0 | EC000734 |
| ETIM 10.0 | EC000734 | ECLASS 14.0 | 19-17-04-02 |

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Technical data

ECLASS 15.0

19-17-04-02

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Accessories

SFP transceiver (for use with switches of Eco-, Advanced-, Substation and BasicLine series B)



Features of SFP-Transceiver series

- Huge variety of transceiver types for several transmission speeds (up to 10 Gigabit Ethernet) and distances (up to 60 km)
- BiDi SFP models for communication via single fiber
- Easy control of transceiver status due to support of Digital Diagnostic Monitoring (DDM)
- Hot pluggable (during operation)
- Class 1 laser product, EN60825-1 compliant
- Applicable for switches of the Eco-, Advanced- and SubstationLine

General ordering data

| | | |
|------------|----------------------------|---|
| Type | IE-SFP-1FE-MM-2 | Version |
| Order No. | 2682450000 | SFP Transceiver, 100 Mbps, Multimode, LC-Duplex, 4 km, -40 °C...85 °C |
| GTIN (EAN) | 4050118692266 | °C |
| Qty. | 1 ST | |
| Type | IE-SFP-1FE-SM-30 | Version |
| Order No. | 2682460000 | SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 30 km, -40 °C...85 °C |
| GTIN (EAN) | 4050118692259 | °C...85 °C |
| Qty. | 1 ST | |
| Type | IE-SFP-1FE-SM-60 | Version |
| Order No. | 2682470000 | SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 60 km, -40 °C...85 °C |
| GTIN (EAN) | 4050118692242 | °C...85 °C |
| 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 | |