

IE-SW-EL16-14TX-2FESFP**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**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 pc(s). |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2025-11-29 |
| Alternative product | 2682200000 |

Creation date November 26, 2024 11:58:29 AM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 140 mm | Depth (inches) | 5.512 inch |
| Height | 170 mm | Height (inches) | 6.693 inch |
| Width | 74 mm | Width (inches) | 2.913 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: 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 | Free fall | According to IEC 60068-2-31 |
| Safety standard | UL 61010-1, UL 61010-2-201 | Shock | according to IEC 60068-2-27 |
| Vibration | according to IEC 60068-2-6 | | |

Environmental conditions

| | | | |
|-----------------------------|----------------------------|--|--|
| Humidity | 5 to 95 % (non-condensing) | | |
| Operating altitude | Altitude, max. | 2,000 m | |
| | Note | in acc. with UL | |
| | Altitude, max. | 6,000 m | |
| | Note | for restrictions, see the manufacturer's declaration for operating altitude in section downloads | |
| 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

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

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MTBF

| | | |
|------|------------------------------|------------------|
| MTBF | According to Standard | Telcordia SR-332 |
| | Operating time (hours), min. | 719,800 h |

Power supply

| | | | |
|-----------------------------|-----------------------------------|--------|--|
| Connection type | 1 removable 6-pin terminal block | | |
| Current consumption | Voltage | 24 V | |
| | Current | 0.34 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. | 10.8 V | |
| | Voltage, max. | 52.8 V | |

Switch characteristics

| | | | |
|---------------------|------------|----------------|-----|
| Bandwidth backplane | 3.2 Gbit/s | MAC table size | 4 K |
| Packet buffer size | 2.75 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 |
| Standard | IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX and 100BASE-FX, 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 Lead monoxide 1317-36-8 |
| SCIP | 9229992a-00b9-4096-8962-200a7f33e289 |

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Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity Manufacturer's declaration for operating altitude |
| Engineering Data | CAD data – STEP |
| User Documentation | Hardware Installation Guide Application notes – Industrial Product Security Guideline |
| Catalogues | Catalogues in PDF-format |