

## IE-SW-EL10-8GTPOE-2GESFP

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



### Features of EcoLine Power-over-Ethernet unmanaged switches/injectors

- Variants with 2, 4 or 8 IEEE 802.3af/at compliant PoE ports (up to 30 watt power output per PoE port)
- Integrated DC/DC converter for providing PoE voltage to PDs over the entire PSE input voltage range from 12 to 57 V DC
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Models with fiber optic ports for communication links over long distances
- 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 PoE, Gigabit Ethernet, Number of ports: 8x RJ45 10/100/1000 BaseT(X) PoE+, 2x 100/1000BaseSFP Slot, IP30, -40 °C...75 °C
Order No.	<a href="#">2682410000</a>
Type	IE-SW-EL10-8GTPOE-2GESFP
GTIN (EAN)	4050118692303
Qty.	1 items

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## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

### Dimensions and weights

Depth	108.3 mm	Depth (inches)	4.2638 inch
Height	145.1 mm	Height (inches)	5.7126 inch
Width	54.3 mm	Width (inches)	2.1378 inch
Net weight	969 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, 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, EN 55035
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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**Technical data**

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

Time interval	5 years
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**Interfaces**

Fibre-optic ports	100/1000Base SFP Slot	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Function DIP switch	2x for enabling/disabling power fault alarm via relay, 2x for switching between 100BaseSFP and 1000BaseSFP on SFP port	Signalling contact	1 relay output with a current capacity of 1 A at 24 V DC
Number of ports	8x RJ45 10/100/1000 BaseT(X) PoE+, 2x 100/1000BaseSFP Slot	LED indicator	Power LED: PWR1, PWR2, FAULT, Port LED: LNK/ACT, PoE active

**MTBF**

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	537330 h

**Power over Ethernet (PoE)**

PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
PoE output current	Standard	IEEE 802.3af
	Output current	350 mA
Total PoE power budget	Standard	IEEE 802.3at
	Output power	30 W
	Standard	IEEE 802.3af
	Output current	350 mA
	Standard	IEEE 802.3at
	Output current	600 mA
PoE pin assignment	Voltage, min.	12 V
	Voltage, max.	23.9 V
	Power budget	60 W
	Voltage, min.	24 V
	Voltage, max.	57 V
	Power budget	120 W

**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.	12 V
	Voltage, max.	57 V
Current consumption	Voltage	12 V
	Current	5.43 A
	Voltage	24 V
	Current	6.01 A

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Voltage	48 V
Current	2.88 A

### Switch characteristics

MAC table size	8 K	Packet buffer size	4 Mbit
Bandwidth backplane	20 Gbit/s	Jumbo frame support	up to 9.6 KB

### Technical data

Housing main material	Metal	Type of mounting	DIN rail
Protection degree	IP30	Speed	Gigabit Ethernet
Switch	unmanaged PoE		

### Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control
Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000BaseX, IEEE 802.3x for flow control, IEEE 802.3at/af for Power-over-Ethernet		

### Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-10
ECLASS 15.0	19-17-04-10		