IE-SW-EL10-8GTPOE-2GESFP

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

www.weidmueller.com



RoHS COMPLIANT

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.	2682410000
Type	IE-SW-EL10-8GTPOE-2GESFP
GTIN (EAN)	4050118692303
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	108.3 mm	Depth (inches)	4.264 inch
Height	145.1 mm	Height (inches)	5.713 inch
Width	54.3 mm	Width (inches)	2.138 inch
Net weight	1,150 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5 to 95 % (non-condensing)		

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: 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	≤ 2000 m
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

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Interfaces

Fibre-optic ports	100/1000Base SFP Slot	Function DIP switch	2x for enabling/disabling power fault alarm via relay, 2x for switching between 100BaseSFP and 1000BaseSFP on SFP port
LED indicator	Power LED: PWR1, PWR2, FAULT, Port LED: LNK/ ACT, PoE active	Number of ports	8x RJ45 10/100/1000 BaseT(X) PoE+, 2x 100/1000BaseSFP Slot
RJ45 ports	10/100/1000BaseT(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	According to Standard	Telcordia SR-332
	Operating time (hours), min.	537,330 h

Power over Ethernet (PoE)

PoE output current	Standard	IEEE 802.3af
	Output current	350 mA
	Standard	IEEE 802.3at
	Output current	600 mA
PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
PoE pin assignment	Mode A: Pin 1, 2 (V+); Pin 3, 6 (V-); Alternative A; MDI	
Total PoE power budget	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	23.9 V
	Power budget	60 W
	Voltage type	DC
	Voltage, min.	24 V
	Voltage, max.	57 V
	Power budget	120 W

Power supply

Connection type	1 removable 6-pin terminal block	
Current consumption	Voltage	12 V DC
	Current	7.12 A
	Voltage	24 V DC
	Current	6.13 A
	Voltage	48 V DC
	Current	2.95 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.	12 V
	Voltage, max.	57 V

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Switch characteristics

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

Technical data

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

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 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ECLASS 9.0	19-17-01-06
ECLASS 9.1	19-17-01-06	ECLASS 10.0	19-17-04-10
ECLASS 11.0	19-17-04-10		

Approvals

Approvals

ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM Declaration of Conformity
Engineering Data	STEP
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format