IE-SW-EL06-4POE-2SC

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, Fast Ethernet, Number of ports: 4x RJ45 10/100 BaseT(X) PoE+, 2x SC Multi-mode, IP30, -40 °C...75 °C
Order No.	2682390000
Type	IE-SW-EL06-4POE-2SC
GTIN (EAN)	4050118692327
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Last order date	2027-01-30T00:00:00+01:00
Alternative product	IE-SW-EL10-8GTPOE-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	94.9 mm	Depth (inches)	3.7362 inch
Height	144.3 mm	Height (inches)	5.6811 inch
Width	41 mm	Width (inches)	1.6142 inch
Net weight	680 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, 7cI
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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Technical data

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

Fibre optic transceiver characteristics

Transmission rate	100 Mbps	
Transceiver type	Multimode	
Connector type	SC-Duplex	
Transmission distance, typ.	2 km	
Wavelength	typ.	1310 nm
Receive power	min.	-31 dBm
	max.	0 dBm
Transmission power	min.	-23.5 dBm
	max.	-14 dBm
Link-budget	7.5 dB	

Guarantee

Time interval	5 years

Interfaces

Fibre-optic ports	100BaseFX ports (SC connector), Multimode	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Function DIP switch	2x for enabling/disabling power fault alarm via relay	Signalling contact	1 relay output with a current capacity of 1 A at 24 V DC
Number of ports	4x RJ45 10/100 BaseT(X) PoE+, 2x SC Multi-mode	LED indicator	Power LED: PWR1, PWR2, FAULT, Port LED: LNK/ACT, PoE active, 100M (fibre-optic port).

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	538904 h

Power over Ethernet (PoE)

PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
PoE output current	Standard	IEEE 802.3af
	Output current	350 mA
	Standard	IEEE 802.3at
	Output current	600 mA
Total PoE power budget	Voltage type	DC
	Voltage, min.	24 V
	Voltage, max.	49.9 V
	Power budget	60 W
	Voltage type	DC
	Voltage, min.	50 V
	Voltage, max.	57 V
	Power budget	120 W
PoE pin assignment	Mode A: Pin 1, 2 (V+); Pin 3, 6 (V-); Alternative A; MDI	

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Technical data

Power supply

Reverse polarity protection	Yes		
Supply voltage	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.	24 V	
	Voltage, max.	57 V	
Current consumption	Voltage	24 V	
	Current	2.8 A	
	Voltage	57 V	
	Current	2.2 A	

Switch characteristics

MAC table size	1 K	Packet buffer size	448 kbit
Bandwidth backplane	1.2 Gbit/s		

Technical data

Housing main material	Metal	Type of mounting	DIN rail
Protection degree	IP30	Speed	Fast 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 802.3x 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		

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Accessories

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	