

## Industrial Ethernet IE-SW-BL06T-4POE-2SC

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### Product image



- 4 x IEEE 802.3af/at compliant PoE ports
- 12/24/48 VDC redundant wide-range power supply
- Integrated DC/DC converter for supplying 48 V PoE devices over the entire input voltage range from 12 to 57 VDC
- Intelligent power consumption detection and classification
- Variations with copper and fibre-optic interface (multimode and singlemode)

### General ordering data

Type	IE-SW-BL06T-4POE-2SC
Order No.	<a href="#">1504220000</a>
Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 4 * RJ45 10/100 BaseT(X) PoE +, 2 * SC Multi-mode, IP30, -40 °C...75 °C
GTIN (EAN)	4050118312072
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	50 mm	Width (inches)	1.969 inch
Height	115 mm	Height (inches)	4.528 inch
Depth	70 mm	Depth (inches)	2.756 inch
Net weight	375 g		

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**EMC conformity and approvals**

EMC standards	FCC Part 15 Subpart B Class A, EN 55032, EN 55024, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, EN 61000-4-8	Free fall	according to IEC 60068-2-32
Security	UL508	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

**Environmental conditions**

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

**Fibre optic 100BaseFX**

Link budget multimode	12 dB	Max. TX multi-mode	-10 dBm
Min. TX multi-mode	-20 dBm	Receive sensitivity multi-mode	-32 dBm
System reserve multi-mode	-6 dBm	Typical distances multi-mode	5 km (50/125 µm, 800 MHz*km fibre optic cable), 4 km (62.5/125 µm, 500 MHz*km fibre optic cable)
Wavelength multi-mode	1,300 nm		

**Guarantee**

Time interval 5 years

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## Technical data

### Interfaces

DIP switch	1x for enabling/disabling the broadcast storm protection	Fibre-optic ports	100BaseFX ports (SC connector), Multimode
LED indicator	PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port), PoE	Number of ports	4 * RJ45 10/100 BaseT(X) PoE+, 2 * SC Multi-mode
PoE pin assignment	Mode A: Pin 1, 2 (V+); Pin 3, 6 (V-); Alternative A; MDI	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

### MTBF

MTBF	1,289,258 hrs	MTBF	Telcordia (Bellcore), GB
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### Power supply

Connection type	1 removable 4-pin terminal block	Current consumption	6.19 A at 12 V DC, 5.55 A at 24 V DC, 2.71 A at 48 V DC
Inrush current	64.56 A at 48 V DC (0.1 to 1 ms)	Max. power output (PoE)	62 W at 12 V DC (12 to 17 V DC), 120 W at 24/48 V DC (18 to 57 V DC)
Overload current protection	Existing	Power consumption	max. 13.2 W (without PD's consumption)
Power loss	36.4 BTU/h	Reverse polarity protection	Available
Supply voltage, max	57 V DC	Supply voltage, min.	12 V DC
Voltage supply	12/24/48 V DC, 2 redundant inputs		

### Switch characteristics

MAC table size	2 K	Packet buffer size	768 Kbit
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### Technical data

Housing main material	Aluminium	Protection degree	IP30
Type of mounting	Rail, Panel (with optional mounting kit)		

### Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control, Back pressure flow control
Standard	IEEE 802.3af for Power-over-Ethernet, IEEE 802.3at for Power-over-Ethernet, IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX, IEEE 802.3x for flow control		

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**Technical data****Classifications**

ETIM 5.0	EC000734	ETIM 6.0	EC000734
eClass 6.2	19-17-01-06	eClass 7.1	19-17-01-06
eClass 8.1	19-17-01-06	eClass 9.0	19-17-01-06
eClass 9.1	19-17-01-06		

**Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>
Product Change Notification	<a href="#">Product Change Notification IE-SW-BL06-PoE-series</a>
User Documentation	<a href="#">Hardware Installation Guide</a>