

Industrial Ethernet IE-SW-BL06T-1TX-4POE-1ST

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

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-1TX-4POE-1ST
Order No.	1504290000
Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 1 * RJ45 10/100BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+, 1 * ST Multi-mode, IP30, -40 °C...75 °C
GTIN (EAN)	4050118312058
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	50 mm	Width (inches)	1.969 inch
Height	114 mm	Height (inches)	4.488 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	Broadcast storm protection enable/disable	Fibre-optic ports	100BaseFX ports (ST connector), Multimode
LED indicator	PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port), PoE	Number of ports	1 * RJ45 10/100BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+, 1 * ST 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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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	EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 15/16 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
Product Change Notification	Product Change Notification IE-SW-BL06-PoE-series
User Documentation	Hardware Installation Guide