

## IE-SW-BL06T-2TX-4POE

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

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

Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 2 * RJ45 10/100 BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+, IP30, -40 °C...75 °C
Order No.	<a href="#">1286920000</a>
Type	IE-SW-BL06T-2TX-4POE
GTIN (EAN)	4050118077926
Qty.	1 Stück

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Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	114 mm	Height (inches)	4.488 inch
Width	50 mm	Width (inches)	1.969 inch
Net weight	375 g		

### Temperatures

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

### 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
Safety standard	UL 508	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		

### Guarantee

Time interval	5 years
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### Interfaces

Function DIP switch	Broadcast storm protection enable/disable	LED indicator	PWR1, PWR2, 10/100M (TP-Port), PoE
Number of ports	2 * RJ45 10/100 BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

### MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	1,398,743 h

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### 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.	17 V
	Power budget	62 W
	Voltage type	DC
	Voltage, min.	18 V
	Voltage, max.	57 V
	Power budget	120 W

### Power supply

Connection type	1 removable 4-pin terminal block	
Current consumption	5.5 A with 24 V DC (at full PoE+ load), 2.6 A with 48 V DC (at full PoE+ load)	
Inrush current	64.56 A at 48 V DC (0.1 to 1 ms)	
Overload current protection	Yes	
Power consumption	max. 13.2 W (without PD´s consumption)	
Power loss	36.4 BTU/h	
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

### 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
Speed	Fast Ethernet	Switch	unmanaged PoE
Type of mounting	DIN rail		

### 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), IEEE 802.3x for flow control		

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### 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	19-17-04-02
ECLASS 11.0	19-17-04-02	ECLASS 12.0	19-17-04-02

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">KC certificate</a> <a href="#">EU Declaration of Conformity</a> <a href="#">UK Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">Product Change Notification IE-SW-BL06-PoE-series</a>
User Documentation	<a href="#">Hardware Installation Guide</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	