

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

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 (multi-mode 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 items
Delivery status	This article will no longer be available in the future.
Available until	2027-01-30T00:00:00+01:00
Alternative product	<a href="#">IE-SW-BLB-05-1TX-4POE</a>

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E141197

**Dimensions and weights**

Depth	70 mm	Depth (inches)	2.7559 inch
Height	114 mm	Height (inches)	4.4882 inch
Width	50 mm	Width (inches)	1.9685 inch
Net weight	375 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)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

**EMC conformity and approvals**

Free fall	According to IEC 60068-2-32	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
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL 508		

**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		

**Guarantee**

Time interval	5 years
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**Interfaces**

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

**MTBF**

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	1398743 h

**Power over Ethernet (PoE)**

PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
PoE output current	Standard	IEEE 802.3at
	Output current	350 mA
Total PoE power budget	Standard	IEEE 802.3af
	Output current	30 W
	Standard	IEEE 802.3at
	Output current	600 mA
	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	17 V
	Power budget	62 W
PoE pin assignment	Voltage type	DC
	Voltage, min.	18 V
	Voltage, max.	57 V
	Power budget	120 W

**Power supply**

Reverse polarity protection	Yes	
Supply voltage	12/24/48 V DC, 2 redundant inputs	
Current consumption	5.5 A with 24 V DC (at full PoE+ load), 2.6 A with 48 V DC (at full PoE+ load)	
Power consumption	max. 13.2 W (without PD's consumption)	
Inrush current	64.56 A at 48 V DC (0.1 to 1 ms)	
Power loss	36.4 BTU/h	
Overload current protection	Yes	
Connection type	1 removable 4-pin terminal block	
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	Type of mounting	DIN rail
Protection degree	IP30	Speed	Fast Ethernet
Switch	unmanaged PoE		

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## Technical data

### 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		

### Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-02
ECLASS 15.0	19-17-04-02		

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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.	<a href="#">1241440000</a>	Kit for 19"-rack mounting	
GTIN (EAN)	4050118029154		
Qty.	1 ST		

## Ethernet



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

## General ordering data

Type	VDATA CAT6	Version	
Order No.	<a href="#">1348590000</a>	Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1,	
GTIN (EAN)	4050118153002	802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4	
Qty.	1 ST		