

## Industrial Ethernet IE-SW-BL06-2TX-4POE

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



- 4 x IEEE 802.3af/at conformant PoE ports
- Up to 30 W per PoE port
- 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 24 to 48 VDC
- Intelligent power consumption detection and classification
- Broadcast Storm Protection

### General ordering data

Type	IE-SW-BL06-2TX-4POE
Order No.	<a href="#">1241380000</a>
Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 2 * RJ45 10/100 BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+, IP30, -10 °C...60 °C
GTIN (EAN)	4050118029093
Qty.	1 pc(s).

**Industrial Ethernet  
IE-SW-BL06-2TX-4POE**

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

**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		

**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	
Security	UL508	Shock	according to IEC 60068-2-32 according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

**Environmental conditions**

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	-10 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

**Guarantee**

Time interval	5 years
---------------	---------

**Interfaces**

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+	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	1,398,743 hrs	MTBF	Telcordia (Bellcore), GB
------	---------------	------	--------------------------

## Data sheet

### Industrial Ethernet IE-SW-BL06-2TX-4POE

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

## Technical data

### 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	12/24/48 V DC, 2 redundant inputs	Supply voltage, max	57 V DC
Supply voltage, min.	12 V DC		

### Switch characteristics

MAC table size	2 K	Packet buffer size	768 Kbit
----------------	-----	--------------------	----------

### Technical data

Housing main material	Aluminium	Protection degree	IP30
Type of mounting	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), IEEE 802.3x for flow control		

### Classifications

ETIM 4.0	EC002598	ETIM 5.0	EC002598
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

### Approvals

Approvals



ROHS Conform

**Data sheet****Industrial Ethernet  
IE-SW-BL06-2TX-4POE**

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

**Technical data****Downloads**

---

Approval/Certificate/Document of Conformity	<a href="#">DE_PN4800_160418_006.pdf</a>
Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">Hardware Installation Guide</a>

---