

## IE-SW-BLB-05-1GT-4GTPOE

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

[www.weidmueller.com](http://www.weidmueller.com)



### Features of BasicLine series B Power-over-Ethernet unmanaged switches

- Variants with 4 or 8 IEEE 802.3af/at/bt compliant PoE ports (up to 60 watt power output per PoE port) up to 144 watt total power budget
- Integrated DC/DC converter for providing PoE voltage to PDs over the entire PSE input voltage range from 12 to 57 V DC
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Optimized DIN-rail clip as well as PUSH IN Connectors for fast and easy installation
- Suitable for use in any environment thanks to a large number of certifications
- Reliable operation due to redundant voltage inputs, fault relay and LED diagnostics

### General ordering data

Version	Network switch, unmanaged PoE, Gigabit Ethernet, Number of ports: 1x RJ45, 4x RJ45 PoE++, IP30, -40 °C...75 °C
Order No.	<a href="#">2908210000</a>
Type	IE-SW-BLB-05-1GT-4GTPOE
GTIN (EAN)	4099986847996
Qty.	1 items

**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULusEX)	E223527

**Dimensions and weights**

Depth	85 mm	Depth (inches)	3.3464 inch
Height	114 mm	Height (inches)	4.4882 inch
Width	44 mm	Width (inches)	1.7323 inch
Net weight	484 g		

**Temperatures**

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

**EMC conformity and approvals**

Free fall	According to IEC 60068-2-31	EMC standards	EN IEC 61000-6-2, EN IEC 61000-6-4, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 Ghz: 10 V/m, IEC 61000-4-3 RS: 1.4 GHz to 6 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 Vrms, IEC 61000-4-8 PFMF: 30 A/m
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL 61010-1, UL 61010-2-201		

**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		
Operating altitude	Altitude, max.	2000 m	
	Note	in acc. with UL	

**Guarantee**

Time interval	5 years
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## Technical data

### Interfaces

RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port	Function DIP switch	QoS (on/off), Broadcast storm protection enable/disable, MAC frame filtering (on/off), Activate/deactivate IEEE 802.3az energy-efficient Ethernet
Number of ports	1x RJ45, 4x RJ45 PoE++	LED indicator	Power LED: PWR1, PWR2, Port LED: LNK/ACT, 10/100/1000M (RJ45 port)

### MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	776841 h
	Ambient temperature	25 °C

### Management features

Network traffic filter	Quality of Service (QoS), Class of Service (CoS), Type of Service (ToS), Differentiated Services Code Point (DSCP), MAC frame filtering (LLDP frame blocking)	Industrial protocol support	PROFINET device acc. to conformance class A
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### Power over Ethernet (PoE)

PoE output power	Standard	IEEE 802.3af	
	Output power	15.4 W	
	Standard	IEEE 802.3at	
	Output power	30 W	
	Standard	IEEE 802.3bt	
	Output power	60 W	
PoE output current	Standard	IEEE 802.3af	
	Output current	350 mA	
	Standard	IEEE 802.3at	
	Output current	600 mA	
	Standard	IEEE 802.3bt	
	Output current	1.2 A	
Total PoE power budget	Voltage type	DC	
	Voltage, min.	12 V	
	Voltage, max.	23.9 V	
	Power budget	60 W	
	Voltage type	DC	
	Voltage, min.	24 V	
	Voltage, max.	57 V	
	Power budget	120 W	
	Voltage type	DC	
	Voltage, min.	48 V	
	Voltage, max.	57 V	
	Power budget	144 W	
	PoE pin assignment	Mode A: Pin 1, 2 (V-); Pin 3, 6 (V+); Alternative A: MDI-X / Mode B: Pin 4, 5 (V+); Pin 7, 8 (V-); Alternative B: MDI-X	

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### Power supply

Reverse polarity protection	Yes		
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	
Current consumption	Voltage	24 V	
	Voltage type	DC	
	Current consumption with Powered Device (PD)	5 A	
	Current consumption without Powered Device (PD)	190 mA	

### Switch characteristics

MAC table size	4 K	Packet buffer size	1.5 Mbit
Bandwidth backplane	10 Gbit/s	Jumbo frame support	up to 9 KB

### Technical data

Housing main material	Metal	Type of mounting	DIN rail
Protection degree	IP30	Speed	Gigabit Ethernet
Switch	unmanaged PoE		

### Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-10
ECLASS 15.0	19-17-04-10		