

## IE-SW-BL05T-1GS-4GTPOE

**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 (multimode and singlemode)

### General ordering data

Version	Network switch, unmanaged PoE, Gigabit Ethernet, Number of ports: 4 * RJ45 10/100/1000BaseT(X) PoE+, 1x 1000BaseSFP Slot, IP30, -40 °C...75 °C
Order No.	<a href="#">1504380000</a>
Type	IE-SW-BL05T-1GS-4GTPOE
GTIN (EAN)	4050118312430
Qty.	1 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2022-06-01
Alternative product	<a href="#">2682410000</a>

Creation date December 4, 2023 9:44:49 AM CET

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## Technical data

## Dimensions and weights

Depth	105 mm	Depth (inches)	4.134 inch
Height	135 mm	Height (inches)	5.315 inch
Width	29 mm	Width (inches)	1.142 inch
Net weight	360 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5...95 %, no condensation		

## EMC conformity and approvals

EMC standards	FCC Part 15 Subpart B Class A, EN 55022 Class A, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), level 4, EN 61000-4-5 (surge), level 4, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8	Safety standard	UL 508
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6

## Environmental conditions

Humidity	5...95 %, no condensation	Operating temperature, max.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

## Interfaces

Function DIP switch	Broadcast storm protection enable/disable	LED indicator	PWR1, PWR2, 10/100/1000M (TP-Port), 100/1000M (SFP-Port), PoE
Note	The SFP slot can only be used with Weidmüller SFP transceivers. Third-party SFP transceivers are not accepted by the switch.	Number of ports	4 * RJ45 10/100/1000BaseT(X) PoE+, 1x 1000BaseSFP Slot
RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

## MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	1,257,910 h

## Power over Ethernet (PoE)

PoE output current	Standard	IEEE 802.3af
	Output current	350 mA
	Standard	IEEE 802.3at
	Output current	600 mA

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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.	20 V
	Voltage, max.	57 V
	Power budget	120 W

## Power supply

Connection type	2 removable 2-pole terminal blocks	
Current consumption	6.83 A with 24 V DC (at full PoE+ load), 3.28 A with 48 V DC (at full PoE+ load)	
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	24/48 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	20 V
	Voltage, max.	57 V

## Switch characteristics

Jumbo frame support	up to 9.6 KB	MAC table size	8 K
Packet buffer size	1,024 Kbit		

## Technical data

Housing main material	Aluminium	Protection degree	IP30
Speed	Gigabit Ethernet	Switch	unmanaged PoE
Type of mounting	DIN 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 802.3ab for 1000BaseT(X), IEEE 802.3z for 1000BaseX, IEEE 802.3x for flow control		

## Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ETIM 9.0	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	ECLASS 13.0	19170402

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**Technical data****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="#">EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">Product Change Notification IE-SW-BL05-4GTPoE-series</a>
User Documentation	<a href="#">Hardware Installation Guide</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

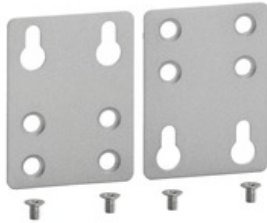
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## Accessories

### Mounting kit for wall mounting



Mounting kit for alternative wall-mounting of DIN rail-based (top-hat type) Industrial Ethernet components.

**IE-WALLMOUNT-KIT-30MM** for use with:

- Industrial Ethernet Switches of the product range **IE-SW-BL05**

**IE-WALLMOUNT-KIT-46MM** for use with:

- Industrial Ethernet Switches of the product ranges **IE-SW- BL06/BL08/VL05/VL08/VL09/VL16/PL06/PL08/PL09/PL10/PL16/PL18**
- Industrial Ethernet media converters of the product range **IE-MC-VL**
- Industrial Ethernet switches of the product range **IE-WL-AP**

### General ordering data

Type	IE-WALLMOUNT-KIT-30MM	Version	
Order No.	<a href="#">1504450000</a>	Kit for wall mounting	
GTIN (EAN)	4050118312300		
Qty.	1 pc(s).		

### 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 pc(s).		

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## Accessories

## SFP transceiver (for use with switches of Basic-, Value- and PremiumLine)



- Supports DDM (Digital Diagnostic Monitoring)
- IEEE 802.3z compliant (Gigabit Ethernet SFPs)
- IEEE 802.3u compliant (Fast Ethernet SFPs)
- Symmetric LVPECL I/Os (Gigabit Ethernet SFPs)
- Symmetric PECL I/Os (Fast Ethernet SFPs)
- TTL signal detection indicator
- Pluggable in operation (hot pluggable)
- Class 1 laser product, EN60825-1 compliant
- Applicable for switches of the Basic-, Value- and PremiumLine

## General ordering data

Type	IE-SFP-1GLHXLC-T	Version
Order No.	<a href="#">1286730000</a>	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, -40
GTIN (EAN)	4050118077728	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GSXLC	Version
Order No.	<a href="#">1241490000</a>	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, 0
GTIN (EAN)	4050118029512	°C...60 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLSXLC	Version
Order No.	<a href="#">1241500000</a>	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, 0 °C...60
GTIN (EAN)	4050118029314	°C
Qty.	1 pc(s).	
Type	IE-SFP-1GLHXLC	Version
Order No.	<a href="#">1241520000</a>	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, 0
GTIN (EAN)	4050118029369	°C...60 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLSXLC-T	Version
Order No.	<a href="#">1286710000</a>	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, -40 °C...85
GTIN (EAN)	4050118077520	°C
Qty.	1 pc(s).	
Type	IE-SFP-1GLXLC-T	Version
Order No.	<a href="#">1286720000</a>	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, -40
GTIN (EAN)	4050118077537	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GSXLC-T	Version
Order No.	<a href="#">1286700000</a>	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, -40
GTIN (EAN)	4050118077261	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLXLC	Version
Order No.	<a href="#">1241510000</a>	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, 0
GTIN (EAN)	4050118029338	°C...60 °C
Qty.	1 pc(s).	

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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 pc(s).	