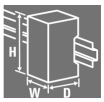
IE-SW-BL05-1GS-4GTPOE

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, Gigabit Ethernet, Number of ports: 4 * RJ45 10/100/1000BaseT(X) PoE+, 1* Slot 100/1000BaseSFP, IP30, 0 °C...60 °C
Order No.	1504360000
Type	IE-SW-BL05-1GS-4GTPOE
GTIN (EAN)	4050118312409
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-06-01
Alternative product	2682410000

Creation date December 1, 2023 1:35:53 PM CET

IE-SW-BL05-1GS-4GTPOE

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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	0 °C...60 °C
Humidity	5...95 %, no condensation		

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: 2 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, 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.	60 °C
Operating temperature, min.	0 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Interfaces

Function DIP switch	Broadcast storm protection enable/disable, Enable/disable jumbo frame support, Activate/deactivate IEEE 802.3az energy-efficient Ethernet, Switching between standard PoE (up to 30 W) and High Power PoE (up to 36 W), Switching between 100BaseSFP and 1000BaseSFP on SFP port	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+, 1* Slot 100/1000BaseSFP
RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

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Technical data

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
	Standard	High power mode (proprietary)
	Output current	720 mA
PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
	Standard	High power mode (proprietary)
	Output power	36 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.	35 V
	Power budget	120 W
	Voltage type	DC
	Voltage, min.	36 V
	Voltage, max.	57 V
	Power budget	144 W

Power supply

Connection type	2 removable 2-pole terminal blocks	
Current consumption	Voltage	12 V
	Current	5.92 A
	Voltage	24 V
	Current	5.65 A
	Voltage	48 V
	Current	3.21 A
Inrush current	17.4 A at 24 V DC (0.1 to 1 ms)	
Overload current protection	Yes	
Power consumption	max. 11.73 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

Jumbo frame support	up to 10 KB	MAC table size	8 K
Packet buffer size	1,024 Kbit		

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Technical data

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) and 100BaseFX, IEEE 802.3ab for 1000BaseT(X), IEEE 802.3z for 1000BaseX, IEEE 802.3x for flow control, IEEE 802.3az Energy-Efficient Ethernet		

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

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	EU Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	Product Change Notification IE-SW-BL05-4GTPoE-series
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format
Brochures	

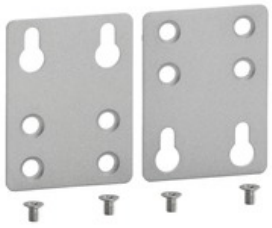
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Accessories

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.	1504450000	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.	1348590000	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).	

IE-SW-BL05-1GS-4GTPOE

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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-1FELLC-T	Version
Order No.	1241480000	SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 80 km, -40
GTIN (EAN)	4050118029178	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLHXLC-T	Version
Order No.	1286730000	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.	1241490000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, 0
GTIN (EAN)	4050118029512	°C...60 °C
Qty.	1 pc(s).	
Type	IE-SFP-1FESLC-T	Version
Order No.	1241470000	SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 40 km, -40
GTIN (EAN)	4050118029420	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLSXLC	Version
Order No.	1241500000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, 0 °C...60
GTIN (EAN)	4050118029314	°C
Qty.	1 pc(s).	
Type	IE-SFP-1GLSXLC-T	Version
Order No.	1286710000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, -40 °C...85
GTIN (EAN)	4050118077520	°C
Qty.	1 pc(s).	
Type	IE-SFP-1GLHXLC	Version
Order No.	1241520000	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, 0
GTIN (EAN)	4050118029369	°C...60 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLXLC-T	Version
Order No.	1286720000	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.	1286700000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, -40
GTIN (EAN)	4050118077261	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1FEMLC-T	Version
Order No.	1241450000	SFP Transceiver, 100 Mbps, Multimode, LC-Duplex, 4 km, -40 °C...85
GTIN (EAN)	4050118029192	°C
Qty.	1 pc(s).	

IE-SW-BL05-1GS-4GTPOE

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Accessories

Type	IE-SFP-1GLXLC	Version
Order No.	1241510000	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, 0
GTIN (EAN)	4050118029338	°C...60 °C
Qty.	1 pc(s).	

Mounting kit for 19" rack assembly

- For assembling DIN rail-based devices on 19" racks



General ordering data

Type	RM-KIT	Version
Order No.	1241440000	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	