

IE-SW-BL05-1GT-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 * RJ45 10/100/1000BaseT(X), IP30, 0 °C...60 °C
Order No.	1504320000
Type	IE-SW-BL05-1GT-4GTPOE
GTIN (EAN)	4050118312089
Qty.	1 pc(s).

Creation date March 24, 2021 3:19:21 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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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
Net weight	360 g	Width	29 mm
Width (inches)	1.142 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	0 °C...60 °C
Humidity	5...95 %, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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

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)	LED indicator	PWR1, PWR2, 10/100/1000M (TP-Port), PoE
Number of ports	4 * RJ45 10/100/1000BaseT(X) PoE+, 1 * RJ45 10/100/1000BaseT(X)	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF	1,257,910 hrs	Database	Telcordia (Bellcore), GB
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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)
PoE output power	Output current	720 mA
	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
PoE pin assignment	Standard	High power mode (proprietary)
	Output power	36 W
	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
Total PoE power budget	Standard	High power mode (proprietary)
	Output power	36 W
	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
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 DC
	Current	5.92 A
	Voltage	24 V DC
	Current	5.65 A
	Voltage	48 V DC
	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	
Supply voltage, max.	57 V DC	
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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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 802.3x for flow control, IEEE 802.3az Energy-Efficient Ethernet		

Classifications

ETIM 6.0	EC000734	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	KC certificate EU Declaration of Conformity
Engineering Data	STEP
Product Change Notification	Product Change Notification IE-SW-BL05-4GTPoE-series
User Documentation	Hardware Installation Guide