

## Industrial Ethernet IE-SW-BL05-1GT-4GTPOE

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### 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

Type	IE-SW-BL05-1GT-4GTPOE
Order No.	<a href="#">1504320000</a>
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
GTIN (EAN)	4050118312089
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

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

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**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	Security	UL508
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)	PoE pin assignment	V+, V+, V-, V-, for pins 1, 2, 3, 6 (endspan, MDI alternative A)
RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

**MTBF**

MTBF	1,257,910 hrs	MTBF	Telcordia (Bellcore), GB
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**Technical data****Power supply**

Connection type	2 removable 2-pole terminal blocks	Current consumption	5,92 A at 12 V DC, 5,65 A at 24 V DC, 3,21 A at 48 V DC
Inrush current	17,4 A at 24 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 V DC (18 to 35 V DC), 144 W at 48 V DC (36 to 57 V DC)
Power consumption	max. 11,73 W (without PD's consumption)	Power loss	36,4 BTU/h
Reverse polarity protection	Available	Supply voltage, max	57 V DC
Supply voltage, min.	12 V DC	Voltage supply	12/24/48 V DC, 2 redundant inputs

**Switch characteristics**

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

**Technical data**

Housing main material	Aluminium	Protection degree	IP30
Type of 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 802.3ab for 1000BaseT(X), IEEE 802.3x for flow control, IEEE 802.3az Energy-Efficient Ethernet		

**Classifications**

ETIM 5.0	EC000734	ETIM 6.0	EC000734
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
eClass 9.1	19-17-01-06		

**Approvals**

Approvals



ROHS Conform

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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 EN</a>
Engineering Data	<a href="#">STEP</a>
Product Change Notification	<a href="#">Product Change Notification IE-SW-BL05-4GTPoE-series</a>
User Documentation	<a href="#">Hardware Installation Guide</a>