

Industrial Ethernet IE-SW-BL05-1GS-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-BL05-1GS-4GTPOE
Order No.	1504360000
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
GTIN (EAN)	4050118312409
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), Switching between 100BaseSFP and 1000BaseSFP on SFP port	LED indicator	PWR1, PWR2, 10/100/1000M (TP-Port), 100/1000M (SFP-Port), PoE
Number of ports	4 * RJ45 10/100/1000BaseT(X) PoE+, 1* Slot 100/1000BaseSFP	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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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) und 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 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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Data sheet**Industrial Ethernet
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Technical data**Downloads**

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