

Industrial Ethernet IE-SW-BL08-8TX

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 1429-0

Fax: +49 5231 14292083

www.weidmueller.com



Weidmüller's BasicLine consists of unmanaged Plug & Play switches in a robust IP 30 protected aluminium housing. The equipment can be delivered with Fast Ethernet and Gigabit Ethernet ports and offers an economical solution for industrial Ethernet networks. One variety is fitted with Fast Ethernet and Power-over-Ethernet ports. All the equipment has been developed for use in harsh industrial environments and has international approvals such as CE, cULus, Class I Div. 2 / ATEX and DNV / GL, and is therefore able to be used in many international applications.

- Plug & Play switches in a rugged aluminium housing (IP 30)
- Compact design
- Switches for an economical entry solution
- Fast Ethernet versions with 5 and 8 ports
- Models with copper or fibre-optic interface (multimode and singlemode)
- Full Gigabit Plug and Play switch with 5 ports
- Power-over-Ethernet (PoE) switch with 6 Fast Ethernet ports, 4 of them PoE+ ports
- Approvals: CE, FCC, cULus, Class I Div. 2 / ATEX, DNV / GL

General ordering data

Type	IE-SW-BL08-8TX
Order No.	1240900000
Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 8x RJ45, IP30, -10 °C...60 °C
GTIN (EAN)	4050118028911
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	50 mm	Width (inches)	1.969 inch
Height	115 mm	Height (inches)	4.528 inch
Depth	70 mm	Depth (inches)	2.756 inch
Weight	275 g	Net weight	275 g

EMC conformity and approvals

EMC standards	FCC Part 15, CISPR (EN55022) Class A, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), Stage 3, EN 61000-4-5 (surge voltage), Stage 3, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA IIC T4 Gc
Free fall	according to IEC 60068-2-32	Security	UL508
Ship use	DNV, GL	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	-10 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

DIP switch	1x for enabling/disabling the broadcast storm protection	LED indicator	PWR1, PWR2, 10/100M (TP-Port)
Number of ports	8x RJ45	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF	2,428,212 hrs	MTBF	Telcordia (Bellcore), GB
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Power supply

Connection type	1 removable 4-pin terminal block	Current consumption	0.13 A at 24 V
Overcurrent current protection	1.1 A	Reverse polarity protection	Available
Supply voltage	12/24/48 V DC, 9.6 to 60 V DC, 18 to 30 V AC, 47 to 63 Hz, 2 redundant inputs		

Data sheet

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Technical data

Switch characteristics

MAC table size	1 K	Packet buffer size	512 Kbit
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Technical data

Housing main material	Aluminium	Protection degree	IP30
Type of mounting	Mounting rail		

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control, Back pressure flow control
Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for flow control		

Classifications

ETIM 4.0	EC002598	ETIM 5.0	EC002598
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

Downloads

Approval/Certificate/Document of Conformity	DE_PN4800_160418_001.pdf
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Hardware Installation Guide

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Accessories
Mounting kit for 19" rack assembly

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


General ordering data

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

Cable clamping yoke


- Simple and quick attachment of Ethernet cables to industrial switches by clamping the cable insulation
- Decoupling of Ethernet cables from anharmonic oscillations in vibrating applications
- Reliable connection contacts, even with vibration
- Up to 10 cables can be attached simultaneously (2 per locating groove)
- Can be attached on the mounting rail using Weidmüller standard end brackets (included in delivery)
- Can be used with all Weidmüller BasicLine Switches in the BL05/06/08 families

General ordering data

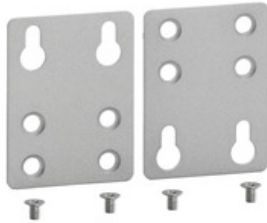
Type	Order No.	Version	GTIN (EAN)	Qty.
IE-CFK-05	1339610000	Cable clamping yoke for BasicLine Switches in the BL05/06/08 families	4050118144215	1 pc(s).

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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	Order No.	Version	GTIN (EAN)	Qty.
IE-WALLMOUNT-KIT-46MM	1504440000	,	4050118312317	1 pc(s).

Ethernet (Cat.6)



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE (acc. to IEEE 802.3af) and PoE+ (acc. to IEEE 802.3at)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
VDATA CAT6	1348590000	Terminal rail fixing, 48 V, 60 V, 1 A, According to IEC61643-21	4050118153002	1 pc(s).