

**IE-SW-VL08T-6GT-2GS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

- Wide ranges of variations with 5 to 16 ports
- Variations for Gigabit Ethernet
- Two redundant power inputs 12/24/48 V DC
- Models with copper and fibre-optic interface (multi-mode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

**General ordering data**

Version	Network switch, unmanaged, Gigabit Ethernet, Number of ports: 6 * RJ45 10/100/1000BaseT(X), 2 * combo-ports (10/100/1000BaseT(X) or 100/1000BaseSFP), IP30, -40 °C...75 °C
Order No.	<a href="#">1286870000</a>
Type	IE-SW-VL08T-6GT-2GS
GTIN (EAN)	4050118077759
Qty.	1 pc(s).

Creation date June 4, 2024 1:37:43 AM CEST

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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	52.85 mm	Width (inches)	2.081 inch
Net weight	630 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5 to 95 % (non-condensing)		

## EMC conformity and approvals

EMC standards	EN 55032, EN 55035, EN 61000-6-4, EN 61000-6-2, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 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, IEC 61000-4-8	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex ec nC IIC T4 Gc, EN IEC 60079-0, EN IEC 60079-15, EN IEC 60079-7
Free fall	According to IEC 60068-2-32	Safety standard	UL508, EN 60950-1
Ship use	DNV	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.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

## Guarantee

Time interval	5 years
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## Interfaces

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Fibre-optic ports	100/1000Base SFP Slot
Function DIP switch	Port surveillance, Broadcast storm protection enable/disable, Enable/disable jumbo frame support, Activate/deactivate IEEE 802.3az energy-efficient Ethernet	LED indicator	Power LED: PWR1, PWR2, FAULT, 10/100/1000M (TP-Port), 100/1000M (SFP-Port)
Note	The SFP slot can only be used with Weidmüller SFP transceivers belonging to product group "SFP transceivers for use with switches of Basic-, Value- and PremiumLine". Third-party SFP transceivers are not accepted by the switch.	Number of ports	6 * RJ45 10/100/1000BaseT(X), 2 * combo-ports (10/100/1000BaseT(X) or 100/1000BaseSFP)
RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

## MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	2,260,195 h

## Management features

Industrial protocol support	CC-Link IE Field
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## Power supply

Connection type	1 removable 6-pin terminal block	
Current consumption	0.34 A at 24 V	
Reverse polarity protection	Available	
Voltage supply	12/24/48 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	9.6 V
	Voltage, max.	60 V

## Switch characteristics

Bandwidth backplane	16 Gbit/s	Jumbo frame support	up to 9.6 KB
MAC table size	8 K	Packet buffer size	4,000 Kbit

## Technical data

Housing main material	Metal	Protection degree	IP30
Speed	Gigabit Ethernet	Switch	unmanaged
Type of mounting	DIN rail		

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## Technical data

## 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) and 100BaseFX, IEEE 802.3ab for 1000BaseT(X), IEEE 802.3z for 1000BaseX, IEEE 802.3x for flow con- trol, IEEE 802.3az Ener- gy-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	19-17-04-02

## 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
Certificate no. (cULusEX)	E223527

## Downloads

Approval/Certificate/Document of Con- formity	<a href="#">CC-Link IE Field Certificate</a> <a href="#">DNV certificate</a> <a href="#">ATEX certificate</a> <a href="#">EU Declaration of Conformity</a> <a href="#">UK Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Hardware Installation Guide</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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## Accessories

## Mounting kit for 19" rack assembly

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



## General ordering data

Type	RM-KIT	Version
Order No.	<a href="#">1241440000</a>	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	

## 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.	<a href="#">1241480000</a>	SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 80 km, -40 °C...85
GTIN (EAN)	4050118029178	
Qty.	1 pc(s).	
Type	IE-SFP-1GLSXLC	Version
Order No.	<a href="#">1241500000</a>	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, 0 °C...60
GTIN (EAN)	4050118029314	°C
Qty.	1 pc(s).	
Type	IE-SFP-1GLXLC	Version
Order No.	<a href="#">1241510000</a>	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, 0
GTIN (EAN)	4050118029338	°C...60 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLXLC-T	Version
Order No.	<a href="#">1286720000</a>	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, -40
GTIN (EAN)	4050118077537	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GSXLC	Version
Order No.	<a href="#">1241490000</a>	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, 0
GTIN (EAN)	4050118029512	°C...60 °C
Qty.	1 pc(s).	

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Type	IE-SFP-1FESLC-T	Version
Order No.	<a href="#">1241470000</a>	SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 40 km, -40
GTIN (EAN)	4050118029420	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLSXLC-T	Version
Order No.	<a href="#">1286710000</a>	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, -40 °C...85
GTIN (EAN)	4050118077520	°C
Qty.	1 pc(s).	
Type	IE-SFP-1GLHXL	Version
Order No.	<a href="#">1241520000</a>	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, 0
GTIN (EAN)	4050118029369	°C...60 °C
Qty.	1 pc(s).	
Type	IE-SFP-1FEMLC-T	Version
Order No.	<a href="#">1241450000</a>	SFP Transceiver, 100 Mbps, Multimode, LC-Duplex, 4 km, -40 °C...85
GTIN (EAN)	4050118029192	°C
Qty.	1 pc(s).	
Type	IE-SFP-1GSXLC-T	Version
Order No.	<a href="#">1286700000</a>	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, -40
GTIN (EAN)	4050118077261	°C...85 °C
Qty.	1 pc(s).	
Type	IE-SFP-1GLHXL	Version
Order No.	<a href="#">1286730000</a>	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, -40
GTIN (EAN)	4050118077728	°C...85 °C
Qty.	1 pc(s).	

**Discontinued products****General ordering data**

Type	IE-SFP-1G10ALC
Order No.	<a href="#">1241530000</a>
GTIN (EAN)	4050118029406
Qty.	1 pc(s).
Type	IE-SFP-1G20BLC
Order No.	<a href="#">1241570000</a>
GTIN (EAN)	4050118029383
Qty.	1 pc(s).
Type	IE-SFP-1G10BLC
Order No.	<a href="#">1241540000</a>
GTIN (EAN)	4050118029376
Qty.	1 pc(s).

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Type	IE-SFP-1G20BLC-T
Order No.	<a href="#">1286770000</a>
GTIN (EAN)	4050118077513
Qty.	1 pc(s).

Type	IE-SFP-1G10ALC-T
Order No.	<a href="#">1286740000</a>
GTIN (EAN)	4050118077735
Qty.	1 pc(s).

Type	IE-SFP-1G10BLC-T
Order No.	<a href="#">1286750000</a>
GTIN (EAN)	4050118077544
Qty.	1 pc(s).

Type	IE-SFP-1G20ALC
Order No.	<a href="#">1241550000</a>
GTIN (EAN)	4050118029505
Qty.	1 pc(s).

Type	IE-SFP-1G20ALC-T
Order No.	<a href="#">1286760000</a>
GTIN (EAN)	4050118077278
Qty.	1 pc(s).