

IE-SW-VL16-16TX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

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, Fast Ethernet, Number of ports: 16x RJ45, IP30, 0 °C...60 °C
Order No.	1241000000
Type	IE-SW-VL16-16TX
GTIN (EAN)	4050118028867
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2027-01-30T00:00:00+01:00
Alternative product	IE-SW-BLB-16-16TX

IE-SW-VL16-16TX

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E230683
Certificate no. (cULusEX)	E223527

Dimensions and weights

Depth	105 mm	Depth (inches)	4.1338 inch
Height	135 mm	Height (inches)	5.3149 inch
Width	80.5 mm	Width (inches)	3.1693 inch
Net weight	1140 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	0 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

EMC conformity and approvals

Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc	Free fall	According to IEC 60068-2-32
EMC standards	EN 55032, EN 55024, 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: 20 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, IEC 61000-4-8	Vibration	according to IEC 60068-2-6
Shock	according to IEC 60068-2-27	Ship use	DNV
Safety standard	UL508, UL 60950-1, EN 60950-1		

Environmental conditions

Operating temperature, max.	60 °C	Operating temperature, min.	0 °C
Humidity	5 to 95 % (non-condensing)	Storage temperature, max.	85 °C

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Storage temperature, min. -40 °C

Guarantee

Time interval 5 years

Interfaces

RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port	Function DIP switch	Port surveillance, Broadcast storm protection enable/disable
Signalling contact	1 relay output with a current capacity of 1 A at 24 V DC	Number of ports	16x RJ45
LED indicator	PWR1, PWR2, FAULT, 10/100M (TP-Port)		

MTBF

MTBF	According to Standard	MIL-HDBK-217F, GB 25°C
	Operating time (hours), min.	257000 h

Power supply

Reverse polarity protection	Available	
Supply voltage	12/24/48 V DC, 2 redundant inputs	
Current consumption	0.27 A at 24 V	
Overload current protection	1.6 A	
Connection type	1 removable 6-pin terminal block	
Voltage supply range	Voltage type	DC
	Voltage, min.	9.6 V
	Voltage, max.	60 V

Switch characteristics

MAC table size	4 K	Packet buffer size	1.25 Mbit
Bandwidth backplane	3.2 Gbit/s		

Technical data

Housing main material	metal	Type of mounting	DIN rail
Protection degree	IP30	Speed	Fast Ethernet
Switch	unmanaged		

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 802.3x for flow control		

Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-02

Technical data

ECLASS 15.0

19-17-04-02

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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.	1241440000	Kit for 19"-rack mounting	
GTIN (EAN)	4050118029154		
Qty.	1 ST		

Ethernet



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

General ordering data

Type	VDATA CAT6	Version	
Order No.	1348590000	Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4	
GTIN (EAN)	4050118153002		
Qty.	1 ST		