

Industrial Ethernet IE-SW-VL16-16TX

Weidmüller Interface GmbH & Co. KG

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The Value Line from Weidmüller consists of unmanaged and managed switches in a high-quality IP 30 protected metal housing. The equipment can be delivered with Fast Ethernet and Gigabit Ethernet ports. Value Line managed switches support a variety of helpful management functions, such as fast ring redundancy, port-based VLAN, QoS, RMON, bandwidth management, port mirroring and error notification via e-mail or a relay. The ring redundancy can be simply set via the web based management interface, or with a dip switch found on the top of the switch.

- Unmanaged Plug & Play switches in a high-quality metal housing (IP 30)
- Price-conscious middle-range
- Managed switches for the entry into a configurable network infrastructure
- Unmanaged full Gigabit switch with 8 ports
- Approvals: CE, FCC, cULus, Class I Div. 2 / ATEX, DNV / GL

General ordering data

Type	IE-SW-VL16-16TX
Order No.	1241000000
Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 16x RJ45, IP30, 0 °C...60 °C
GTIN (EAN)	4050118028867
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	80.5 mm	Width (inches)	3.169 inch
Height	135 mm	Height (inches)	5.315 inch
Depth	105 mm	Depth (inches)	4.134 inch
Weight	1,140 g	Net weight	1,140 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

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	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	Security	UL508, UL60950-1, EN60950-1
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.	0 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Guarantee

Time interval 5 years

Interfaces

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

MTBF

MTBF 257,000 hrs MTBF MIL-HDBK-217F, GB 25°C

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Power supply

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

Switch characteristics

MAC table size	4 K	Packet buffer size	1.25 Mbit
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Technical data

Housing main material	metal	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) und 100BaseFX, 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_002.pdf
Brochure/Catalogue	CAT 9.IETH 15/16 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Hardware Installation Guide