

Industrial Ethernet IE-SW-VL16T-14TX-2ST

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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 (multimode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

General ordering data

Type	IE-SW-VL16T-14TX-2ST
Order No.	1286620000
Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 14x RJ45, 2 * ST Multi-mode, IP30, -40 °C...75 °C
GTIN (EAN)	4050118077407
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
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EMC conformity and approvals

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	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	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.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Fibre optic 100BaseFX

Link budget multimode	12 dB	Max. TX multi-mode	-10 dBm
Min. TX multi-mode	-20 dBm	Receive sensitivity multi-mode	-32 dBm
System reserve multi-mode		Typical distances multi-mode	5 km (50/125 µm, multi-mode cable), 4 km (62.5/125 µm multi-mode cable)
	-6 dBm		
Wavelength multi-mode	1,300 nm		

Guarantee

Time interval	5 years
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Interfaces

DIP switch	Port surveillance, Broadcast storm protection enable/disable	Fibre-optic ports	100BaseFX ports (ST connector), Multimode
LED indicator	PWR1, PWR2, FAULT, 10/100M (TP-Port), 100M (fibre-optic port).	Number of ports	14x RJ45, 2 * ST Multi- mode
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	0.44 A at 24 V
Overload current protection	1.6 A	Reverse polarity protection	Available
Supply voltage, max	45 V DC	Supply voltage, min.	12 V DC
Voltage supply	24 V DC, 2 redundant inputs		

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	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 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		

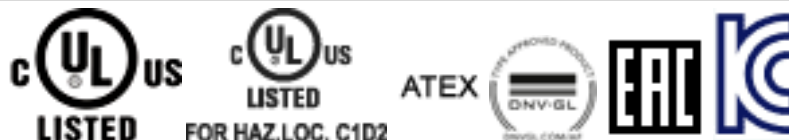
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Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DNV-GL certificate ATEX certificate EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 15/16 EN
User Documentation	Hardware Installation Guide