

IE-SW-EL16-14TX-2FESFP

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Features of EcoLine unmanaged Switch series

- Huge variety of port count and media type enable a wide range of applications (5 to 24 ports)
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Suitable for use in harsh industrial environment thanks to rugged design and wide operating temperature range of -40°C up to 75°C
- Reliable operation due to redundant voltage inputs, fault relay and LED diagnostics

General ordering data

Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 14x RJ45, 2x Slots 100BaseSFP, IP30, -40 °C...75 °C
Order No.	2682160000
Type	IE-SW-EL16-14TX-2FESFP
GTIN (EAN)	4050118692556
Qty.	1 pc(s).

Creation date October 11, 2021 8:03:21 AM CEST

Catalogue status 27.09.2021 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Depth	140 mm	Depth (inches)	5.512 inch
Height	170 mm	Height (inches)	6.693 inch
Width	74 mm	Width (inches)	2.913 inch
Net weight	1,432 g		

Temperatures

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

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: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0,5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms	Free fall	According to IEC 60068-2-31
Safety standard	UL 61010-1, UL 61010-2-201	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating altitude	≤ 2000 m
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

Fibre-optic ports	100BaseSFP-Slot	LED indicator	Power LED: PWR1, PWR2, Port LED: LNK/ACT, 10/100M (RJ45 port), 100M (SFP-Port)
Number of ports	14x RJ45, 2x Slots 100BaseSFP	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

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MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	719,800 h

Power supply

Connection type	1 removable 6-pin terminal block		
Current consumption	Voltage	24 V DC	
	Current	0.34 A	
Overload current protection	Yes		
Reverse polarity protection	Yes		
Voltage supply	24 V DC, 2 redundant inputs		
Voltage supply range	Voltage type	DC	
	Voltage, min.	12 V	
	Voltage, max.	48 V	

Switch characteristics

Bandwidth backplane	3.2 Gbps	MAC table size	4 K
Packet buffer size	2.75 Mbit		

Technical data

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

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control
Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX and 100BASE-FX, IEEE 802.3x for flow control		

Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	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		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM Declaration of Conformity
Engineering Data	STEP
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format