

IE-SW-EL08-6TX-2SC**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: 6x RJ45, 2x SC Multi-mode, IP30, -40 °C...75 °C
Order No.	2682170000
Type	IE-SW-EL08-6TX-2SC
GTIN (EAN)	4050118692549
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	84 mm	Depth (inches)	3.307 inch
Height	115 mm	Height (inches)	4.528 inch
Width	41 mm	Width (inches)	1.614 inch
Net weight	350 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 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	
Safety standard	UL 61010-1, UL 61010-2-201	Shock	According to IEC 60068-2-31 according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
	Note	in acc. with UL	
	Altitude, max.	6,000 m	
	Note	for restrictions, see the manufacturer's declaration for operating altitude in section downloads	
Operating temperature, max.	75 °C		
Operating temperature, min.	-40 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Fibre optic transceiver characteristics

Transmission rate	100 Mbps	
Transceiver type	Multimode	
Connector type	SC-Duplex	
Transmission distance, typ.	2 km	
Wavelength	typ.	1,310 nm
Receive power	min.	-31 dBm
	max.	0 dBm
Transmission power	min.	-23.5 dBm
	max.	-14 dBm
Link-budget	7.5 dB	

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Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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Guarantee

Time interval	5 years
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Interfaces

Fibre-optic ports	LED indicator	Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port), 100M (fibre-optic port).
Number of ports	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
	100BaseFX ports (SC connector), Multimode	
	6x RJ45, 2x SC Multi-mode	

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	1,218,117 h

Power supply

Connection type	1 removable 3-pole terminal block	
Current consumption	Voltage	24 V
	Current	0.14 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	12/24 V DC, 1 single input	
Voltage supply range	Voltage type	DC
	Voltage, min.	9 V
	Voltage, max.	33 V

Switch characteristics

Bandwidth backplane	1.6 Gbit/s	MAC table size	1 K
Packet buffer size	448 Kbit		

Technical data

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

Technology

Data switching Standard	Store and Forward IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX and 100BASE-FX, IEEE 802.3x for flow control	Flow control	IEEE 802.3x flow control
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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
ECLASS 14.0	19-17-04-02		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1 Lead monoxide 1317-36-8
SCIP	9229992a-00b9-4096-8962-200a7f33e289

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	KC certificate EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity Manufacturer's declaration for operating altitude
Engineering Data	CAD data – STEP
User Documentation	Hardware Installation Guide Application notes – Industrial Product Security Guideline
Catalogues	Catalogues in PDF-format