

IE-SW-ELB-16-16TX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Features of EcoLine Series B Switches

- Covers the most common port combinations with RJ45 and SFP ports for flexible usage
- Network availability is strongly increased thanks to Broadcast Storm Protection
- Support real time communication e.g. in PROFINET networks due to the "Quality of Service" functionality – "PROFINET Conformance Class A"
- Very small design for installation in places where space is critical
- A rotatable DIN-rail-clip allows use at locations offering very limited vertical space such as installation cabinets
- The AC voltage input enables use without a switching power supply to save cost in e.g. building automation
- Plastic-free, handling optimized packaging for fast processing and environmental friendliness

General ordering data

Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 16x RJ45, IP40, -10 °C...60 °C
Order No.	2828580000
Type	IE-SW-ELB-16-16TX
GTIN (EAN)	4064675369936
Qty.	1 ST

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

Dimensions and weights

Depth	110 mm	Depth (inches)	4.3307 inch
Height	143 mm	Height (inches)	5.6299 inch
Width	50 mm	Width (inches)	1.9685 inch
Net weight	526 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-10 °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	95f06c58-199a-4ab7-817c-c2503ba62133

EMC conformity and approvals

Free fall	According to IEC 60068-2-31	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, IEC 61000-4-8
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL 61010-1, UL 61010-2-201		

Environmental conditions

Operating temperature, max.	60 °C		
Operating temperature, min.	-10 °C		
Humidity	5 to 95 % (non-condensing)		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		
Operating altitude	Altitude, max.	2000 m	
	Note	in acc. with UL	

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Guarantee

Time interval	5 years
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Interfaces

RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port	Function DIP switch	1x for enabling QoS (according to IEEE 802.1p), 1x for enabling/disabling the broadcast storm protection
Number of ports	16x RJ45	LED indicator	Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port)

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	412528 h

Management features

Network traffic filter	Quality of Service (QoS), Class of Service (CoS)	Industrial protocol support	PROFINET device acc. to conformance class A
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Power supply

Reverse polarity protection	Yes	
Voltage supply	12/24/48 V DC, 24 V AC, 1 single input	
Overload current protection	Yes	
Connection type	1 removable 2-pin terminal block	
Voltage supply range	Voltage type	DC
	Voltage, min.	9.6 V
	Voltage, max.	60 V
	Voltage type	AC
	Voltage, min.	18 V
	Voltage, max.	36 V
Current consumption	Voltage	24 V
	Current	0.17 A

Switch characteristics

Priority queues	2	MAC table size	8 K
Packet buffer size	4 Mbit	Bandwidth backplane	3.2 Gbit/s

Technical data

Housing main material	Metal	Type of mounting	DIN rail
Protection degree	IP40	Speed	Fast Ethernet
Switch	unmanaged		

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, IEEE 802.3x for flow control, IEEE 802.1p for		

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www.weidmueller.com**Technical data**Class of Service / Quality
of Service (CoS/QoS)**Classifications**

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	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
ECLASS 15.0	19-17-04-02		

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www.weidmueller.com**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		