

IE-SW-SL10M-7TX-3GC-HV

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Our managed switches offer comprehensive control and management capabilities for your network. Designed for maximum performance and reliability, they enable flexible and efficient network management. Thanks to our various product families and certifications, we cover a wide range of applications.

Advanced Control: Features like VLANs and Quality of Service (QoS) allow you to precisely configure and optimize your network.

High Security: Integrated security features like Access Control Lists (ACLs) protect your network from unauthorized access.

Easy Management: User-friendly web interfaces and SNMP support simplify the management and configuration of your switches.

General ordering data

Version	Layer 2 Network Switch, managed, Fast/Gigabit Ethernet, IEC 61850-3 / IEEE 1613, high voltage, Number of ports: 7x RJ45 10/100BASE-T(X), 3x combo-ports (10/100/1000BASE-T(X) or 100/1000BaseSFP), IP30, -40 °C...85 °C
Order No.	2778950000
Type	IE-SW-SL10M-7TX-3GC-HV
GTIN (EAN)	4064675048213
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	148.5 mm	Depth (inches)	5.8464 inch
Height	154 mm	Height (inches)	6.063 inch
Width	96.4 mm	Width (inches)	3.7953 inch
Net weight	2000 g		

Temperatures

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

Environmental Product Compliance

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

EMC conformity and approvals

Free fall	IEC 60870-2-2 class Cm	EMC standards	EN 55032, CISPR 22, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, EN 55035, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 3 GHz: 10 V/m, IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV, IEC 61000-4-6 CS: 10 V, IEC 61000-4-8, IEC 61000-4-11
Vibration	IEC 60870-2-2 class Cm and class Bm	Shock	IEC 60870-2-2 class Cm
Safety standard	SELV according to EN 62368-1	Power Transmission & Distribution Systems acc. to standard	IEEE 1613, IEC 61850-3

Environmental conditions

Operating temperature, max.	85 °C		
Operating temperature, min.	-40 °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	
	Altitude, max.	6000 m	

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Note

for restrictions, see the manufacturer's
declaration for operating altitude in section
downloads

Guarantee

Time interval 5 years

Interfaces

Fibre-optic ports	100/1000Base SFP Slot	RJ45 ports	10/100BaseT(X) or 10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Console port interface	RS-232 (RJ45 connector)	Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC
Number of ports	7x RJ45 10/100BASE-T(X), 3x combo-ports (10/100/1000BASE-T(X) or 100/1000BaseSFP)	Function reset button	<5 sec: System reboot, >5 sec: Factory default

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	599113 h

Management features

Device configuration	Webbrowser (HTTP/HTTPS), SNMP v1/v2c/v3, Local serial console port (RS-232 via RJ-45 port), Upload of a configuration file via web-interface or TFTP-Server, Command Line Interface (Telnet/SSH)	Monitoring function	SNMP v1/v2c/v3, Link Layer Discovery Protocol (LLDP), Port mirroring, Port statistics, Port monitoring, Syslog, RMON (Remote monitoring), Event based warning via E-Mail, Event based warning via relay, Event based warning via SNMP trap
Network redundancy	Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), Multiple Spanning Tree Protocol (MSTP), O-Ring (recovery time <10/30 ms at Fast/Gigabit Ethernet interface), O-Chain (recovery time <10/30 ms at Fast/Gigabit Ethernet interface), Link Aggregation Control Protocol (LACP), Fast recovery	Network traffic filter	Quality of Service (QoS), Class of Service (CoS), Type of Service (ToS), Differentiated Services Code Point (DSCP), Port based VLAN, Tag based VLAN, GVRP (GARP VLAN Registration Protocol), IGMP v2/v3, Multicast VLAN Registration (MVR), Traffic Rate Limiting
IP-address management	Static, DHCP-Client, DHCP-Server (port based, pool-based), DHCP Option 82, DHCP-Relay, IPv4/IPv6	Security functions	VLAN segmentation, Enable/disable ports, TACACS+ and IEEE 802.1X User Authentication, Access control (port based via IEEE 802.1X), Access control list (IP-based), Access control list (MAC-based), Management access security via secure IP-list and configuration of

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Time synchronization management	NTP server, SNTP client	Industrial protocol support	allowed access methods (web-interface, telnet, SSH), Loop protection
			Modbus/TCP slave, PROFINET device acc. to conformance class A

Power supply

Reverse polarity protection	Yes	
Supply voltage	110/220 V DC, 110/220 V AC, 2 redundant isolated inputs	
Overload current protection	Yes	
Connection type	2x 3-pin fork/ring lug connection	
Voltage supply range	Voltage type	DC
	Voltage, min.	88 V
	Voltage, max.	373 V
	Voltage type	AC
	Voltage, min.	85 V
	Voltage, max.	264 V
Current consumption	Voltage	110 V
	Current	0.18 A
	Voltage	220 V
	Current	0.13 A

Switch characteristics

Priority queues	4	Max. number of available VLANs	4095
VLAN-ID min	1	VLAN-ID max	4094
IGMP-Groups	1024	MAC table size	8 K
Packet buffer size	1 Mbit	Bandwidth backplane	7.4 Gbit/s

Technical data

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

Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-01
ECLASS 15.0	19-17-04-01		