



Industrial Ethernet Switches

Weidmüller's Industrial Ethernet components are ideal for data communication between Ethernet-capable devices in industrial automation. With extensive features and approvals, they are perfect for various industries such as Plant and Mechanical Engineering, Shipbuilding, Process Industries, and Energy. Ethernet switches connect participants and facilitate data exchange for communication to occur.

Weidmüller Ltd.

10 Spy Court Markham, Ontario L3R 5H6

Phone: (800) 268-4080

Email: orders_can@weidmuller.com

Website: Weidmuller.ca



Unmanaged:

Unmanaged switches - adaptable and economical. No configuration required. They use standard protocols, adapt to varying speeds, and are protocol transparent. Each port forms its own collision domain. Wide variety of ports and features, including Fast Ethernet and Gigabit versions with Power over Ethernet. Rapid fault diagnosis with visible LED display. Robust housing for reliable use in different environments.

Technology:

Data switching Standard	Store and Forward IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3x for flow control, IEEE 802.1p for Class of Service / Quality of Service (CoS/QoS) / Profinet to conformance class A	Flow control	IEEE 802.3x flow control
-------------------------	---	--------------	--------------------------

Interfaces:

Function DIP switch	1x for enabling QoS (according to IEEE 802.1p), 1x for enabling/disabling the broadcast storm protection	LED indicator	Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port)
		RJ45 ports	10/100/1000 BaseT(X), auto negotiation, Full/half-duplex mode, Auto MDI/MDI-X port



Temperatures:











Storage temperature	-40 °C...85 °C	Operating temperature	-10 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

Power Supply:

Voltage supply	12/24/48 V DC, 24 V AC, 1 single input
----------------	--

Approvals:

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

	Order Number	Part Number	Description	Type	Data Sheet
	2828540000	IE-SW-ELB-05-5TX	Ecoline Series B 5 port	Unmanaged	
	2828550000	IE-SW-ELB-08-8TX	Ecoline Series B 8 port	Unmanaged	
	2828580000	IE-SW-ELB-16-16TX	Ecoline Series B 16 port	Unmanaged	
	2828560000	IE-SW-ELB-05-5GT	Ecoline Series B 5 port Ggabit	Unmanaged	
	2828570000	IE-SW-ELB-08-8GT	Ecoline Series B 8 port Gigabit	Unmanaged	

Managed:

Managed switches offer extensive control mechanisms for data distribution and bandwidth management in industrial networks. They support various configuration options and come with a wide variety of ports and features, including Fast Ethernet, Gigabit, and up to 10 Gigabit interfaces. These switches also support industrial protocols for seamless integration into automation networks.

Technology:

Data switching Standard	Store and Forward IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for flow control, IEEE 802.1D for the Spanning Tree protocol, IEEE 802.1w for Rapid STP, IEEE 802.1AB for Link Layer Discovery protocol (LLDP)	Flow control	IEEE 802.3x flow control
-------------------------	--	--------------	--------------------------

Interfaces:

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Function DIP switch	1x for enabling/disabling power fault alarm via relay, 3x for ring redundancy settings
Function reset button	<5 sec: System reboot, >5 sec: Factory default		
RJ45 ports	10/100 / 1000 BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		



Temperatures:









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

Power Supply:

Voltage supply	12/24/48 V DC, 2 redundant inputs
----------------	-----------------------------------

Approvals:

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

	Order Number	Part Number	Description	Type	Data Sheet
	2682250000	IE-SW-AL05LM-5TX	Advanced Line Series 5 port managed	Managed	
	2682280000	IE-SW-AL08M-8TX	Advanced Line Series 8 port managed	Managed	
	2682350000	IE-SW-AL08M-8GT	Advanced Line Series 8 Port managed Gigabit	Managed	
	2682310000	IE-SW-AL16M-16TX	Advanced Line Series 16 port managed	Managed	

PoE:

Weidmuller offer you Power over Ethernet variants within all lines that can significantly reduce your wiring work. This means you can also operate Ethernet devices in areas that are difficult to access – without a separate power supply cable.

Technology:

Data Switching	Store and Forward
Injector Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000Base-T, IEEE 802.3at/af for Power - over-Ethernet
POE unmanaged	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for flow control, IEEE 802.3at/af for Power-over-Ethernet
POE Managed	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE TX, IEEE 802.3ab for 1000BASE-T, IEEE 802.3x for flow control, IEEE 802.3ad for port trunk with LACP, IEEE 802.1D for the Spanning Tree protocol, IEEE 802.1w for Rapid STP, IEEE 802.1s for the Multiple Spanning Tree Protocol (MSTP), IEEE 802.1p for Class of Service / Quality of Service (CoS/QoS), IEEE 802.1Q for VLAN tagging, IEEE 802.1X for authentication, IEEE 802.1AB for Link Layer Discovery protocol (LLDP), IEEE 802.3at/af for Power- over- Ethernet

Interfaces:

RJ45 ports Injector	10/100/1000BaseT(X), auto negotiation, Full/half - duplex mode, MDI-X
RJ45 ports POE	10/100BaseT(X), auto negotiation, Full/half-duplex mode, Auto MDI/ MDI-X port
RJ45 ports POE Gigabit	10/100/1000BaseT(X), auto negotiation, Full/half-duplex mode, Auto MDI/ MDI-X port


Power supply







Voltage supply	
RJ45 ports Injector	12/24/48 V DC, 1 single input
RJ45 POE Switch	12/24/48 V DC, 2 redundant inputs

Temperatures:

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

Approvals:

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

	Order Number	Part Number	Description	Type	Data Sheet
	2682440000	IE-INJ-EL02-2GTPOE	EcoLine POE Injector 2 port	POE - Injector	
	2682380000	IE-SW-EL08-8POE	EcoLine POE 8 port unmanaged	POE - Unmanaged	
	2682420000	IE-SW-AL08M-8GTPOE	AdvancedLine POE 8 port managed Gigabit	POE - Managed	

IE Switches Accessories



Patch cable Cat.6 A	Lengths from 0.2m to 90m in various colours
IE-C6FP8LG0002M40M40	Patch cable, RJ45 IP 20, RJ45 IP 20, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), LSZH, 0.2 m



Order Number	Industrial Ethernet cables	Various lengths and configurations available
2047310005	IE-C5DD4UG0005A60A60-E	Dragline cable, PROFINET, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 0.5 m
1457580050	IE-C6EL8UG0005U40XCS-EN	System cable, RJ45 IP 20, M12 X-type IP 67 straight male, Cat.6A / Class EA (ISO/IEC 11801 2010), PUR, 5 m
1044470010	IE-C5DD4UG0010MCSA20-EN	M12 D-code - IP 67 straight pin, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 1 m

Order Number	Connectors	Various lengths and configurations available
1963600000	IE-PS-RJ45-FH-BK	RJ45 IDC plug, Cat.6A / Class EA (ISO/IEC 11801 2010), 8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET
8813110000	IE-P63	RJ45 plug-in connector, with kink protection; 5.5 - 6.2 mm, Cat.6A / Class EA (ISO/IEC 11801 2010), IP20
8808330000	IE-XRJ45/IDC	Flange insert, Cat.6A / Class EA (ISO/IEC 11801 2010), IP20
8952950000	IE-XR-RJ45/RJ45-2	Mounting flange, Cat.6A / Class EA (ISO/IEC 11801 2010), IP20
2812440000	IE-T0-RJ45-C-LP	Mounting rail outlet, RJ45, Coupling, IP20, Cat.6A / Class EA (ISO/IEC 11801 2010)
1018790000	IE-FCM-RJ45-C	FrontCom Micro RJ45 coupling



More information on our Website:
www.weidmuller.ca