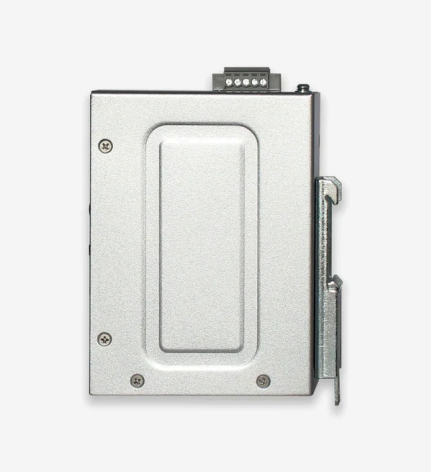
SWITCH 1008TX-POE

Unmanaged POE Industrial Switch 8 x 10/100 RJ45



8- POE RJ45 ports, unmanaged industrial Ethernet switch

The 8-**port industrial Ethernet switch** of SALZ Automation, is an unmanaged industrial POE switch specifically designed to meet the demands of heavy industrial environments. Encased in rugged **IP30-grade housing**, this switch guarantees reliable and continuous operation, even in the most challenging conditions, making it a perfect networking solution for industrial applications. With **Quality of Service (QoS)**, it supports Profinet applications, offering a cost-effective solution. The SWITCH 1008TX-POE is now equipped with **8 x POE+ 10/100BASE-T ports** supporting Fast Ethernet with **Auto MDI/MDIX** and **Auto-negotiation** for enhanced connectivity flexibility. High-speed data transmission is complemented by the support of a **9K jumbo frame** to boost throughput, and QoS on **ports 1 to 8**. Features such as a **redundant power supply** with a wide-range inpu, **DIN-Rail mounting**, and more, continue to address the unique requirements of Industrial Ethernet networks.

ORDER DETAILS

Function: 8 x 10/100 PoE RJ45 ports (unmanaged), flow control, VLAN
SKU/Order No.: SA-1008-TP-01-00

Features

VLAN-support

A VLAN (Virtual Local Area Network) separates a physical network into virtual subnets. The main advantage of using VLAN is the reduction of the overall communication load and the possibility to prioritize the subnets differently.

Flow Control

When using the Flow Control technology, the receiving device can send a so-called PAUSE frame. This causes the transmitter to stop sending new data. The result is a reduction in frame dropping, which reduces network load and increases availability.

Optimal bandwidth utilization through prioritization

The IEEE 802.1p specification defines the transport of data with different priorities. The switch identifies high-priority data and forwards it faster. This allows to distinguish more important data from less important data and ensures a steady network traffic with high availability.

Redundant Power Supply for Reliable Networks

If the primary power supply fails, the switch is immediately supplied with a second, redundant power supply, ensuring the continuous operation of network services for critical applications in industrial environments.

Industrial Grade EMI/EMS

The Switch need to be robust enough to handle harsh field site conditions, which can include high-voltage transients, severe shock and vibration, and extremely high temperatures.

IP30 Metal Housing Protection

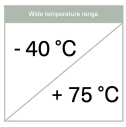
Rugged IP30 grade aluminum housing to withstand highest vibration, heavy shocks, humidity and extreme temperatures.

Shock/Free-fall/Vibration Approval

According IEC 60068 all tests approved

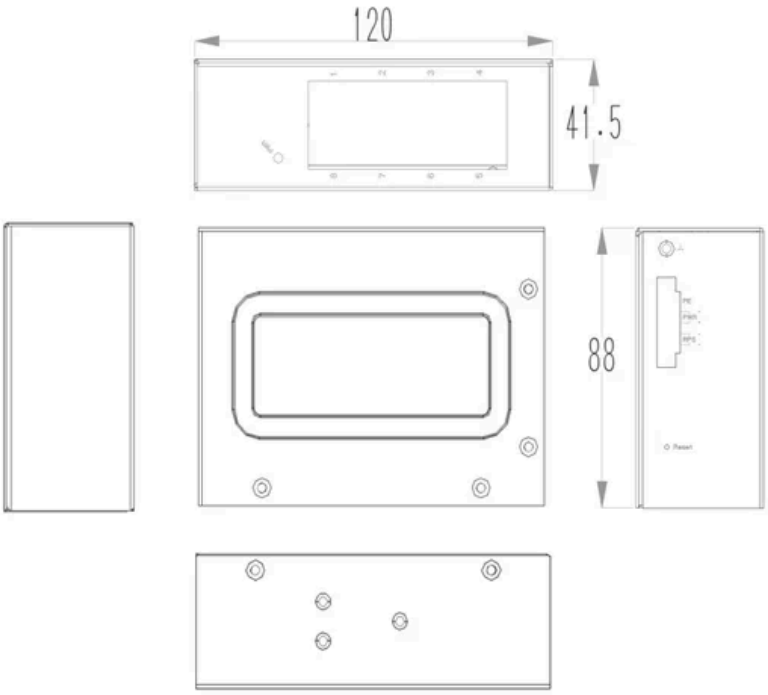
Easy Installation “plug-n-play”

Featuring Auto-MDI/MDIX and Auto-negotiation on all ports, the Switch automatically detects and configures the best mode of operation over a link. This eliminates the need of user setup or configuration procedure and simplifies installation.



Wide Temperature Range

Mechanical Dimensions



Technical Data

IEEE Standards

IEEE 802.3	10Base-T
IEEE 802.3U	100Base-TX
IEEE 802.3X	Flow Control
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3AF	Power over Ethernet

Interface

Ports (RJ45)	8 x 10/1008Base-T POE
LED Panel	PWR, PoE, 100, LNK/ACT

Switch Features

Jumbo Frame Size	2048 Bytes
MAC Table size	1K
L2 Forwarding Rate	11.9 Mpps
Throughput	14,880 pps to 10 Mbps ports; 148,800 pps to 100 Mbps ports
PoE/PoE+	Scheduling, PD Alive Check, PoE Power On/OFF, Feeding Power Budget Control
PoE Power per Port	30 W

Input Data

Input Voltage Range DC	18 ... 56 V
Input Current (typ.)	0.4 A
Power Consumption (max.)	17 W
Power consumption PoE Budget	120 W @ 24 VDC; 210 W @ 48 VDC

Mechanical Data

Housing	Metal case (IP30 protection)
Mounting DIN Rail according EN 60715	TH35
Weight (typ.)	335 g

Ambient Condition

Ambient Temperature (operating)	-10 °C ... 75 °C
Ambient Temperature (storage/transport)	-40 °C ... 85 °C
Operating Humidity (non-condensing)	5 ... 95 % RH
Storage Humidity (non-condensing)	5 ... 95 % RH

Dimensions

Width (mm)	41.5 mm
Depth (mm)	88 mm
Height (mm)	120 mm

Standards and Regulations

Electromagnetic Interference (EMI)	EN 55032 class B; EN 61000-6-4
Environmental Management Systems (EMS)	EN 55024; EN 61000- 6- 2; EN 61000- 4- 2 (ESD) : Level 3; EN 61000_x005f_x005f_x005f_x005f_x005f_x005f_x005f_x0002_4- 3 (RS) : Level 3; EN 61000- 4- 4 (Burst) : Level 3; EN 61000- 4- 5 (Surge) : Level 3; EN 61000- 4- 6 (CS) : Level 3
Free-fall Test	IEC 60068-4-11 (Criterion B)
RoHs	Yes

Commercial Data

Customs Tariff Number	85176200