

# SWITCH 2008GT-POE

## Unmanaged POE+ Industrial Switch 8 x 10/100/1000 RJ45



### 7- POE+/ 1- Ethernet port unmanaged industrial Gigabit Ethernet switch

The **7-port industrial POE+ Gigabit Ethernet switch** of SALZ Automation, along with **one standard Ethernet port**, is an unmanaged industrial POE+ Gigabit Ethernet 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 2008GT-POE is now equipped with **7 x POE+ 10/100/1000BASE-T ports** and **1 x 10/100/1000BASE-T port**, supporting both Gigabit and Fast Ethernet options 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 7**. Additionally, it supports **PROFINET, GOOSE, and EtherNet/IP** protocols to ensure the timely delivery of critical data. Features such as a **redundant power supply** with a wide-range input, a **built-in relay alarm** for immediate notification of power and port issues, **DIN-Rail mounting**, and more, continue to address the unique requirements of Industrial Ethernet networks.

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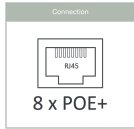
#### ORDER DETAILS

**Function:** Flow Control, Storm Control, LLDP Filter, VLAN Passthru, Port Priority (p1-2), 802.1p/Tag QoS, EIP QoS (via TCP/UDP #), PROFINET QoS (via VLAN 0), GOOSE QoS (via Ether-type)

**SKU/Order No.:** SA-2008-GP-01-00

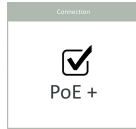


# Features



## 7+1 x Gbit PoE+ Ports

7+1 x 10/100/1000 BASE-T RJ45 POE+ Ports



## Power over Ethernet (PoE+)

With PoE (Power over Ethernet), PD (Powered Devices) are supplied with electrical energy. This energy is supplied via the Ethernet cable, which saves additional cables to the end device. PoE+ offers a maximum supply of 30 W at 50 - 57 V.



## 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.



## Storm Control

The switch counts the number of packages of a specified type received within a defined time interval and compares the measurement with a predefined threshold.



## 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.



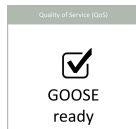
## Optimal bandwidth utilization through prioritization

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.



## Optimal Bandwidth Utilization for Profinet

The switch recognizes frames for Profinet and ensures prioritized forwarding with least delay possible. Thereby, the switch enhances bandwidth utilization to ensure the data gets delivered efficiently to mission-critical applications, even during burst of high traffic.



## Optimal Bandwidth Utilization for GOOSE

The switch recognizes frames for GOOSE (Generic Object-Oriented Substation Events) and ensures prioritized forwarding with least delay possible. Thereby, the switch enhances bandwidth utilization to ensure the data gets delivered efficiently to mission-critical applications, even during burst of high traffic.



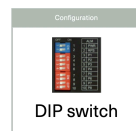
## Optimal Bandwidth Utilization for EtherNet/IP

The switch recognizes frames for EtherNet/IP and ensures prioritized forwarding with least delay possible. Thereby, the switch enhances bandwidth utilization to ensure the data gets delivered efficiently to mission-critical applications, even during burst of high traffic.



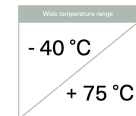
## Redundant Power Supply for Reliable Networks

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.



## DIP Switch for Easy Configuration

DIP switch for switching the external alarm or redundant power supply on and off, without software.



## Wide Temperature Range



### 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.



### IP30 Metal Housing Protection

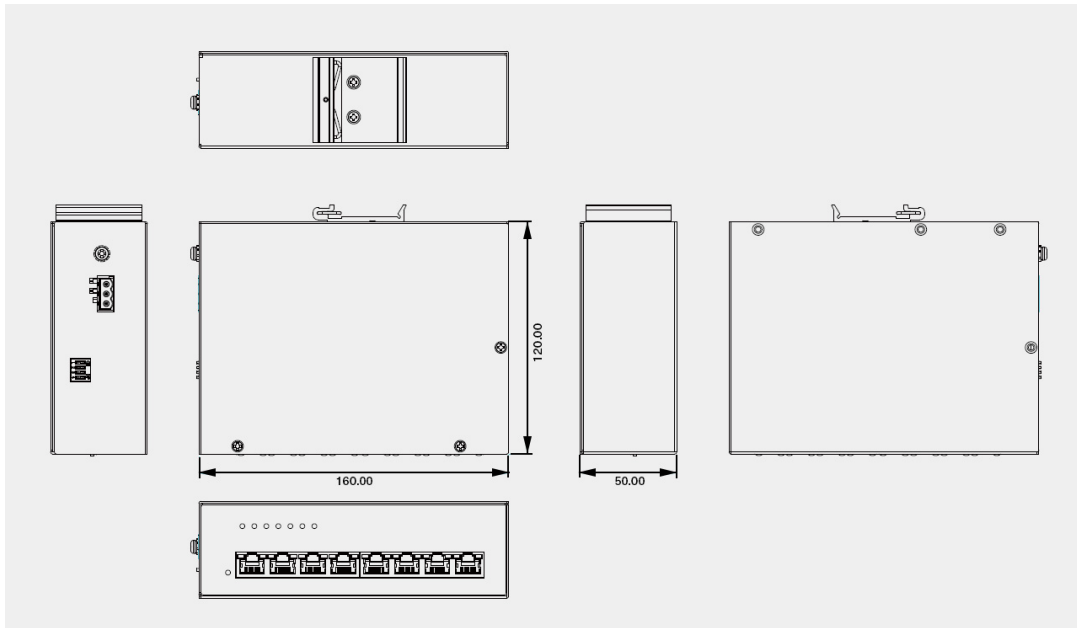
Rugged IP30 grade aluminum housing to withstand highest vibration, heavy shocks, humidity and extreme temperatures.



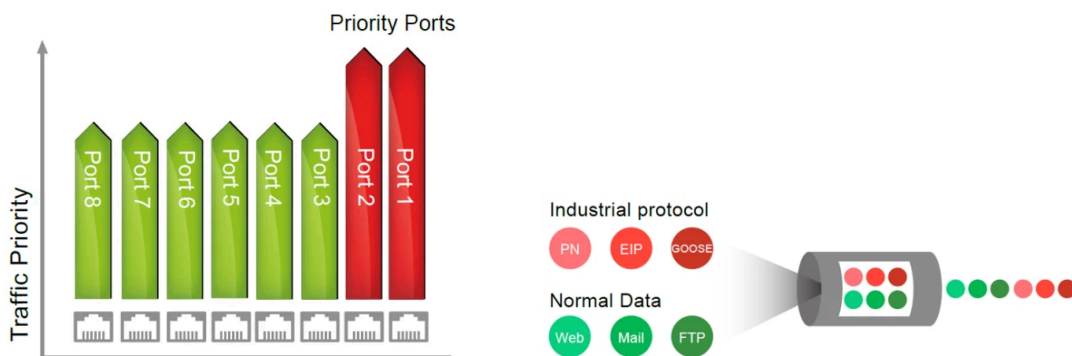
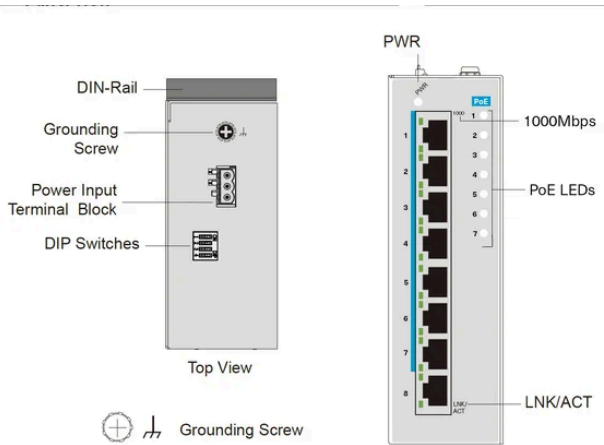
### Shock/Free-fall/Vibration Approval

According IEC 60068 all tests approved

# Mechanical Dimensions



# Drawings



## Technical Data

### IEEE Standards

IEEE 802.3	10Base-T
IEEE 802.3U	100Base-TX
IEEE 802.3AB	1000Base-T
IEEE 802.3X	Flow Control
IEEE 802.1P	Quality of Service(QoS)
IEEE 802.3AF	Power over Ethernet
IEEE 802.3AT	Power over Ethernet Plus
IEEE 802.3AZ	EEE

### Interface

Ports (RJ45)	7 x 10/100/1000Base-T POE+ and 1 x 10/100/1000BASE-T RJ45 ports
DIP Switch	Flow Control, Storm Control, EEE, LLDP Filter
LED Panel	PWR, PoE+, 1000, LNK/ACT

### Switch Features

Jumbo Frame Size	9 Kbytes
MAC Table size	4K
L2 Forwarding Rate	11.9 Mpps
Throughput	14,880 pps to 10 Mbps ports; 148,800 pps to 100 Mbps ports; 1,488,000 pps to 1000 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	24 ... 57 V
Input Current (typ.)	1 A
Power Consumption (max.)	17 W

Power consumption PoE Budget	120 W @ 24 VDC; 210 W @ 48 VDC
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### Mechanical Data

Housing	Metal case (IP30 protection)
Mounting DIN Rail according EN 60715	TH35
Weight (typ.)	1,005 g

### Ambient Condition

Ambient Temperature (operating)	-10 °C ... 60 °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)	50 mm
Depth (mm)	120 mm
Height (mm)	160 mm

### Standards and Regulations

Electromagnetic Interference (EMI)	FCC Part 15 Subpart B class A; EN 55022 class A; EN 55011: class A; EN 61000-6-4; CISPR32: class A; CISPR 11: class A; ICES-003
Environmental Management Systems (EMS)	EN 55035/UKCA; EN 61000-6-2; EN 61000-4-2 ( ESD ) : Level 3; EN 61000-4-3 ( RS ) : Level 3; EN 61000-4-4 ( Burst ) : Level 3; EN 61000-4-5 ( Surge ) : Level 3; EN 61000-4-6 (CS): Level 3; IEC61000-4-8(PFMF)
Free-fall Test	IEC 60068-2-31
Safety Standard	UL61010-1/ UL 61010-2-210
RoHs	Yes

### Commercial Data

Customs Tariff Number	85176200
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