

# SWITCH 4008GT

## Lite managed Industrial Switch 8 x 10/100/1000 RJ45



The 8-port industrial Gigabit Ethernet switch of SALZ Automation is a lite managed industrial Gigabit Ethernet switch specifically designed to suit your heavy industrial environments.

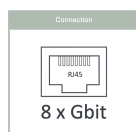
The SWITCH 4008GT Lite Managed Switch is specifically designed to expand highly reliable Ethernet connectivity to factory floors and outdoor environments with extreme temperatures and climatic conditions. The switch's rugged case and hardened components withstand high degree of vibration, shock and wide operating temperatures from -40 °C to 75 °C . Equipped with eight 10/100/1000Base-T ports, SWITCH 4008GT is a scalable, cost-effective and future-proof industrial Lite-managed switch. It's ideal for applications which demands high bandwidth convergence. It is designed with jumbo-frame (packet size more than 10K bytes) for increased efficiency and performance. SWITCH 4008GT takes advantage of intelligent connection technology to support Auto negotiation, thereby eliminating the hassle of manually configuring or monitoring settings. This ensures plug-n-play operability. Besides that, switch also includes built-in features to deliver a rock solid, adjustable network to down port networks, and also ensure impressive uptime even in the most challenging network conditions. All Lite Managed switches are equipped with SALZ Automation's management platform consisted by a Wizard, a Topology Map and a Dashboard. The Wizard is a set-up assistant that guides the user step by step through the initial management. The Topology Map displays the network infrastructure and highlights link status, and the Dashboard offers key performance and traffic-related information. OT and IT users can manage and monitor the Ethernet switches, real-time traffic and link information.

### ORDER DETAILS

**Function:** Lite managed Industrial Switch 8 x 10/100/1000 RJ45  
**SKU/Order No.:** SA-4008-GT-01-00

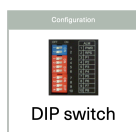


# Features



## 8 x Gbit RJ45 Ports

8 x 10/100/1000 BASE-T RJ45 Ports



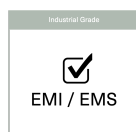
## DIP Switch for Easy Configuration

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



## Green Ethernet Design

IEEE802.3az Energy Efficient Ethernet (EEE) compliant Green Ethernet technology. This eco-friendly design allows the switch to automatically adjust power consumption and conserve energy during the periods of low data activity.



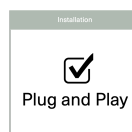
## Industrial Grade EMI/EMS

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.



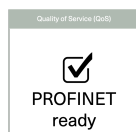
## IP30 Metal Housing Protection

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



## 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.



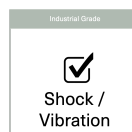
## Optimal Bandwidth Utilization for Profinet

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.



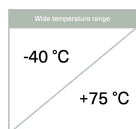
## Redundant Power Supply for Reliable Networks

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.



## Shock/Free-fall/Vibration Approval

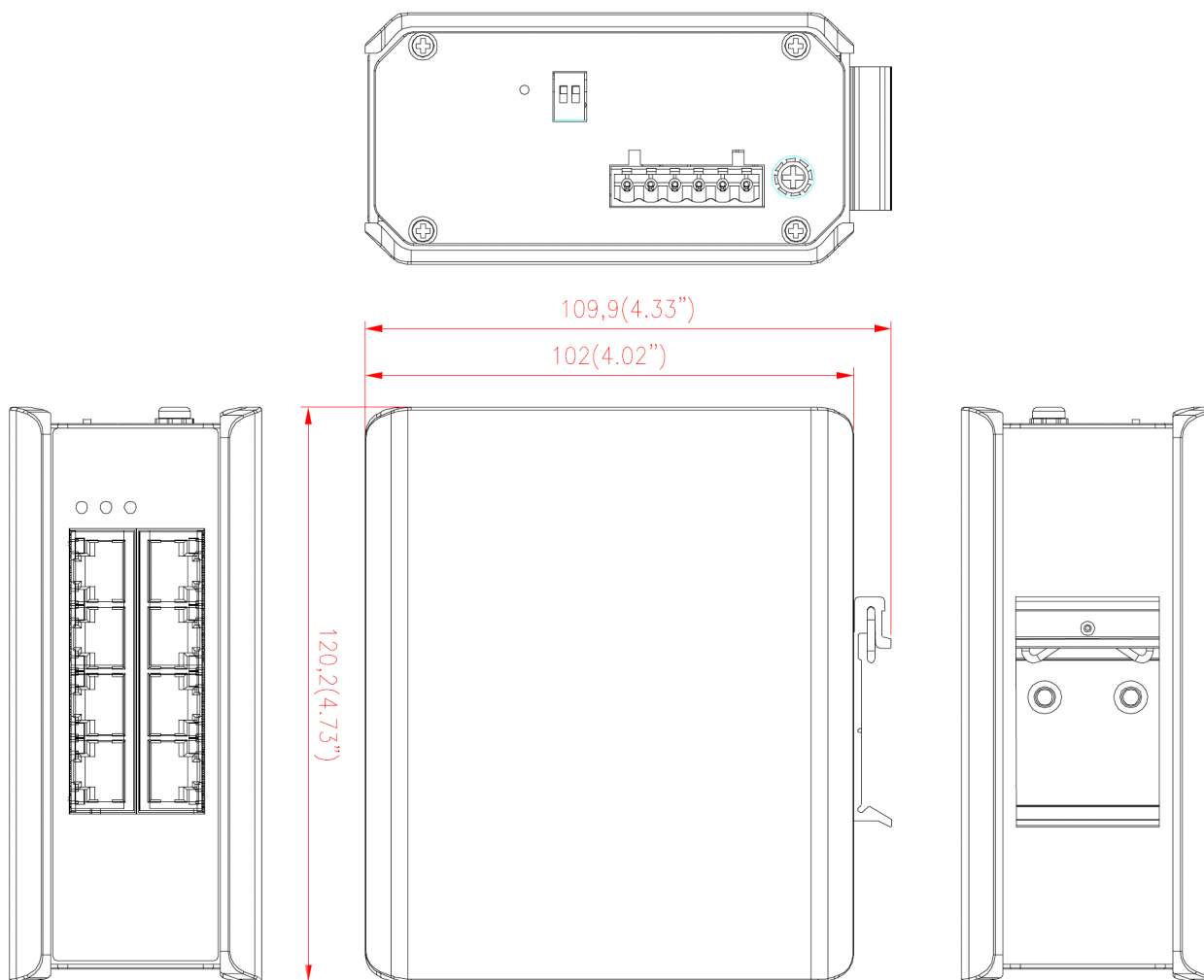
According IEC 60068 all tests approved



## Wide Operating Temperature

Industrial rugged metal housing featuring wide operating temperature range designed for harsh environments.

# Mechanical Dimensions



REV00\_29112022

DATASHEET

SWITCH\_4008GT

# Technical Data

## IEEE Standards

IEEE 802.3	10Base-T
IEEE 802.3U	100Base-TX
IEEE 802.3AB	1000Base-T
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3X	Flow Control
IEEE 802.1AB	LLDP
IEEE 802.3AZ	Energy Efficient Ethernet (EEE)
IEEE 802.1D	STP
IEEE 802.1w	RSTP
IEEE 802.1P	Class of Service
IEEE 802.1Q	VLAN Tagging
IEEE 802.1x	Port Authentication
IEEE 802.1AD	QinQ

REV00\_29112022

## Interface

Ports (RJ45)	8 x 10/100/1000Base-T
DIP Switch	Primary, Redundant Power and Drop Alarm Setting
LED Panel	PWR, RPS, ALM, 1000, LNK/ACT

DATASHEET

## Switch Features

Jumbo Frame Size	10 k
MAC Table size	8 k
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
Switch Fabric	16 Gbps

SWITCH\_4008GT

Management Functionality	CLI, Telnet, SSH, HTTP, HTTPS, SNMP v1/v2c, SNMP v3, SNMP Trap, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, STNP, LLDP, DHCP Client, Port Mirroring Server (service) control, Port Utilization, Alarm Information, ModbusTCP, Power Down trap Topology Map, Dashboard, Installation Wizard Port Configuration (enable/disable,speed/duplex), ONVIF, Port Statistic, System reboot from remote side using User Account with authority
Reliability	STP/RSTP, ERPS v1/v2, Code redundancy
VLAN	IEEE 802.1Q VLAN, Port-based VLAN (Port Isolation)
Traffic Control	802.1P QoS, Flow Control, Traffic Monitor for abnormal Traffic Detection, Storm Control, Port Isolation, Loop Detection, Storm alarm threshold per port
Security	ACL (Access Control List), Port Security with MAC limit, Port-based IEEE 802.1X, BPDU Guard and BPDU Filter, ROOT Guard, Trusted Managed Host

### Input Data

Input Voltage Range DC	24 ... 48 V (Primary & Redundant)
Input Current (typ.)	0.35 A (24 V)
Power Consumption (max.)	10 W

### Output Data

Contact Rating DC (resistive load)	Alarm relay; 24 V, 1 A
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### Mechanical Data

Housing	Metal
Mounting DIN Rail according EN 60715	TH35
Weight (typ.)	840 g

### Ambient Condition

Ambient Temperature (operating)	-40 °C ... 75 °C (UL: -40 °C ... 70 °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	52.7 mm
Depth	109.9 mm
Height	120.2 mm

## Standards and Regulations

Electromagnetic Interference (EMI)	FCC Part 15 Subpart B class A; EN 55011 class A; EN 55032 class A; EN 61000-6-4
Environmental Management Systems (EMS)	EN 55024, EN 61000-6-2, EN 61000-4-2 (ESD), EN 61000-4-3 (RS), EN 61000-4-4 (Burst), EN 61000-4-5 (Surge), EN 61000-4-6 (CS), EN 61000-4-8 (PFMF)
Shock Test	IEC 60068-2-27
Free-fall Test	IEC 60068-2-32
Vibration	IEC 60068-2-6
Safety Standard	UL61010
RoHs	Yes

## Commercial Data

Customs Tariff Number	85176200
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