

SWITCH 4008GT

Quick Installation Guide

Address of the manufacturer:

SALZ Automation GmbH
Max-Planck-Str. 64
32107 Bad Salzfluren, Germany
Email: support@salz-automation.com
Please scan for more information:

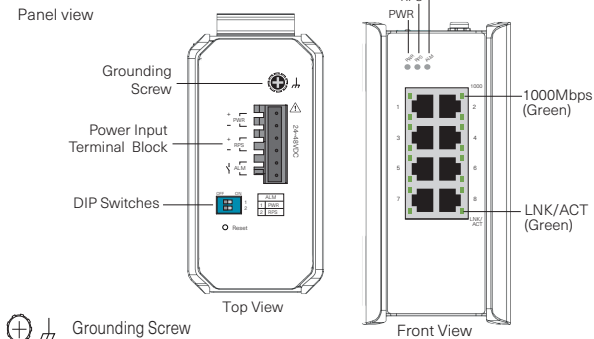


1. Overview

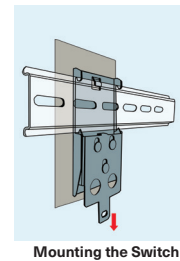
The SWITCH 4008GT Lite-Managed Industrial Ethernet Switch and includes 8-port 10/100/1000Mbps RJ45 downlink ports.

2. Package Checklist

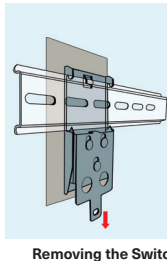
- SWITCH 4008GT Switch x 1



3. Mounting and Dismounting to DIN-Rail



Place the SWITCH 4008GT on the DIN rail from above using the slot, push the front of the switch toward the mounting surface until it snaps into place with a click sound.



Press the switch from top and pull out the lower edge of the switch and then remove the switch from the DIN rail.

ATTENTION: Ambient temperature should not exceed 70°C.

4. Grounding the switch SWITCH 4008GT

- Step1: Run the ground connection from the ground screw to the grounding surface prior to connecting devices.
- Step2: Connect the ground connection from the terminal block to the grounding surface prior to connecting device.

ATTENTION: To be mounted on a well- grounded mounting surface such as a metal panel.

5. Wiring requirements

WARNING: Turn off the power before connecting modules or wires. The correct power supply voltage is listed on the product label. Check the voltage of your power source to make sure that you are using the correct voltage. DO NOT use a voltage greater than what is specified on the product label. Calculate the maximum possible current in each power wire and common wire. Observe all electrical codes dictating the maximum current allowable for each wire size. If current exceeds the maximum rating, the wiring can overheat causing serious damage to your equipment.

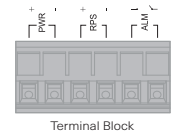
- Use separate paths to route wiring for power and devices. If power wiring and device wiring paths must cross make sure the wires are perpendicular at the intersection point.

NOTE: Do not run signal or communications wiring and power wiring through the same wire conduit. To avoid interference, wires with different signal characteristics should be routed separately.

- You can use the type of signal transmitted through a wire to determine which wires should be kept separate. The rule of thumb is that wiring that shares similar electrical characteristics can be bundled together.
- You should separate input wiring from output wiring.
- We advise that you label the wiring to all devices in the system.

5.1 Wiring Power Input

5.1.1 SWITCH 4008GT with 6pin terminal block



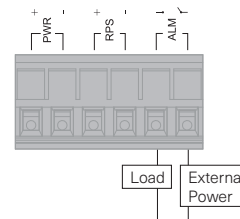
You can use "PWR" for Primary Power input and "RPS" for Redundant Power Input.

- Caution:**
- Use copper conductors only
 - Wiring cable temperature should support at least 105°C
 - Tighten the wire to a torque value 20N
 - The wire gauge for the terminal block should range between 0.2 to 2.5 mm²

To insert power wire and connect the 9 to 48 V DC at a maximum of 0.5 A DC power to the power terminal block, Loosen the wire-clamp screws, Insert the negative/positive DC wires into the (- /+) terminals, respectively, and Tighten the wire-clamp screws.

ATTENTION: Please use a power supply from 9 to 48 V DC, the device power shall be supplied by SELV circuit.

5.2 Wiring the relay contact (ALM)



The SWITCH 4008GT has one set of relay alarm output. This relay contact uses two contacts of the terminal block on the top panel.

The two contacts of the 6-pin terminal block connector are used to detect user-configured events. The two wires attached to the fault contacts form an open circuit when a user-configured event is triggered. If a user-configured event does not occur, the fault circuit remains closed.

Relay rating: 24V, 1A

5.3 Cabling RJ45

Connect one end of an Ethernet/RJ45 cable into Ethernet port of SWITCH 4008GT and other end to attached networking device. Ports 1-8 of the switch support fast Ethernet and Gbit Ethernet (10/100/1000Base-T RJ45 Ports) All the RJ45 ports on the SWITCH 4008GT support auto negotiation and auto MDI/MDI-X to eliminate the need for crossover cabling. Note: Category 5e cable or above should be used.

6. DIP Switch Setting

OFF	ON	1	PWR	ON: Primary power alarm reporting is enabled OFF: Primary power alarm reporting is disabled
		2	RPS	ON: Redundant power alarm reporting is enabled OFF: Redundant power alarm reporting is disabled

7. LED Indicators

PWR (Green)	Illuminated	Primary power on
	Off	Primary power off or failure
RPS (Green)	Illuminated	Redundant power on
	Off	Redundant power off or failure
ALM (Red)	Illuminated	Alarm triggered for abnormal power status and anomalous features.
	Off	Normal operation or DIP switch OFF
1000 (Green) (1-8 RJ45 port)	Illuminated	Link speed at 1000Mbps
	Off	Link speed at 10/100Mbps
LNK/ACT (Green) (1-8 RJ45 port)	Illuminated	Port link-up
	Blinking	Activity (receiving or transmitting data)
	Off	Port disconnected or link failed

8. Environmental limits

Operating Temperature	-40°C ... 75°C (-40°F ... 167°F)
Storage Temperature	-40°C ... 85°C (-40°F ... 185°F)
Ambient relative humidity	5 to 95% (non condensing)

ATTENTION: This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received including interference that may cause undesired operation.

ATTENTION: If the equipment is used in a manner not specified by the SALZ Automation GmbH, the protection provided by the equipment may be impaired.

ATTENTION: Please leave at least 5cm of space at the left and right of the unit for ventilation.

9. Configuration

Connect through Web Browser:

- Connect your computer to one of the Ethernet ports.
- Use the default IP-address 192.168.0.254 to login to the switch.

Default Username	admin
Default Password	SALZ

NOTE: For more details on configuration please refer user manual.

FIRMWARE UPDATE: Please check for regular firmware updates of SWITCH 4008GT on the webpage for new features.

If the equipment is used in a manner not specified by SALZ Automation, the protection provided by the equipment may be impaired.

SWITCH 4008GT 快速安装指南

制造商地址：
SALZ Automation GmbH
Max-Planck-Str. 64
32107 Bad Salzuflen, Germany
Email: support@salz-automation.com
欲了解更多信息 请扫描以下 二维码：

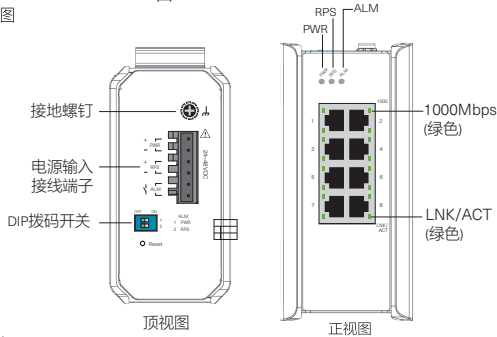


1. 概述

SWITCH 4008GT 精简型管理型工业以太网交换机，包括 8 端口 10/100/1000Mbps RJ45 下行链路端口。

2. 包装清单

- SWITCH 4008GT 1台
面板视图



⊕ 接地螺钉

3. 交换机DIN导轨安装与拆卸



注意：环境温度不应超过70°C。

4. SWITCH 4008GT 的接地

- 步骤1：连接设备之前，将接地螺钉连接到接地表面。
- 步骤2：连接设备之前，将接线端子接地端连接到接地表面。

注意：
本产品旨在安装到接地良好的安装表面(例如金属面板)。

5. 接线要求

警告：
连接模块或接线前请先关闭电源。产品标签上列出了正确的电源电压。检查电源电压，确保使用正确的电压。请勿使用高于产品标签上规定的电压。计算每根电源线和公共线中的最大可能电流。遵守规定每种线径允许的最大电流的所有电气规范。如果电流超过最大额定值，接线可能会过热，从而严重损坏您的设备。

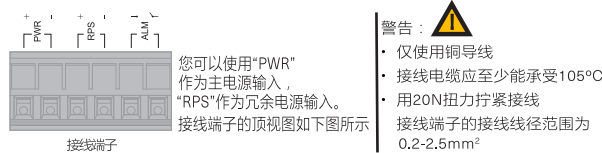
- 使用单独的路径为电源和设备布线。如果电源线和设备布线路径必须交叉，请确保电线在交叉点处垂直

注意：请勿将信号或通信线和电源线穿过 相同的电线导管。为避免干扰，使用不同信号的电线 特性应单独路由。

- 您可以使用通过电线传输的信号类型来确定哪些电线应该分开。
- 经验法则是接线具有相似的电气特性，可以捆绑在一起。
- 您应该将输入接线与输出接线分开。
- 我们建议您为系统中所有设备的接线贴上标签。

5.1 电源输入的接线

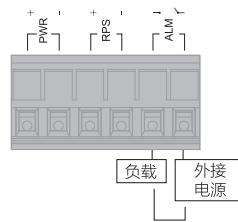
5.1.1 使用6针接线端子的SWITCH 4008GT



要插入电源线并将最大 0.5 A DC 电源的 9 至 48 V DC 电源连接到电源接线盒，分别将负极/正极直流线插入 (-/+) 端子，并拧紧线夹螺丝。

注意：
请使用9-48V直流电源，即设备的电源应使用安全特低电压(SELV)

5.2 继电器触点(ALM)的接线



SWITCH 4008GT具有一组继电器报警输出。该继电器使用顶部面板接线端子的两个触点。

6针接线端子连接器的两个触点用于检测用户配置事件。当触发用户配置的事件时，连接到故障触点的两根导线将形成开路。如果用户配置的事件没有发生，则故障电路保持闭合。

继电器额定值：24V，1A

5.3 RJ45的接线

将以太网电缆的一端连接到SWITCH 4008GT的以太网端口，另一端连接到连接的网络设备。

- SWITCH 4008GT上的1-8号端口支持10/100/1000Mbps网速
- SWITCH 4008GT上的所有RJ45端口都支持自动协商和自动MDI/MDI-X，因而无需交叉布线

请注意：应使用5e或更高类别的电缆。

6. 拨码开关的设置

OFF	ON	1	PWR	ON : 主电源报警报告已启用 OFF : 主电源报警报告已禁用	
				2	
				RPS	ON : 冗余电源报警报告已启用 OFF : 冗余电源报警报告已禁用

7. LED指示灯

PWR (绿色)	长亮	主电源供电
	熄灭	主电源关闭或失效
RPS (绿色)	长亮	冗余电源供电
	熄灭	冗余电源关闭或失效
ALM (红色)	长亮	因异常电源状态和异常特征而触发警报
	熄灭	正常运行或DIP开关关闭
1000 (绿色)	长亮	连接速度为1000Mbps
(1-8号RJ45端口)	熄灭	连接速度为10/100Mbps
LNK/ACT (绿色)	长亮	端口连接
	闪烁	正在发送/接收数据
(1-8号RJ45端口)	熄灭	端口断开或连接失败

8. 环境限制

工作温度	-40°C ... 75°C
储存温度	-40°C ... 85°C
环境相对湿度	5-95% (无冷凝)

注意：
本设备符合FCC规则的第15部分。操作受以下条件限制：
1. 本设备不得造成有害干扰
2. 本设备必须接受任何收到的干扰，包括可能会导致意外操作的干扰

注意：
如果以SALZ Automation未指定的方式使用本设备，则可能无法获得设备提供的保护。

注意：
请在设备左侧和右侧留出至少5厘米的空间用于通风。

9. 配置

通过网页浏览器连接：

- 将您的计算机连接到一个以太网端口。
- 使用默认IP地址 192.168.0.254 登录交换机。

默认密码	admin
默认用户名	SALZ

注意：有关配置的更多详细信息，请参阅用户手册。

固件更新：请在网页上查看 SWITCH 4008GT 的定期固件更新，以了解新功能。
如果以SALZ Automation未指定的方式使用本设备，则可能无法获得设备提供的保护。