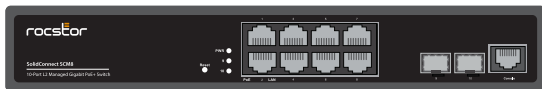


SolidConnect



User Manual

SolidConnect SCM8
Y10S009-B1

10-Port L2 Managed Gigabit PoE+ Switch
8-Port Gigabit PoE+, 2-Port Gigabit SFP - Black

Package Content

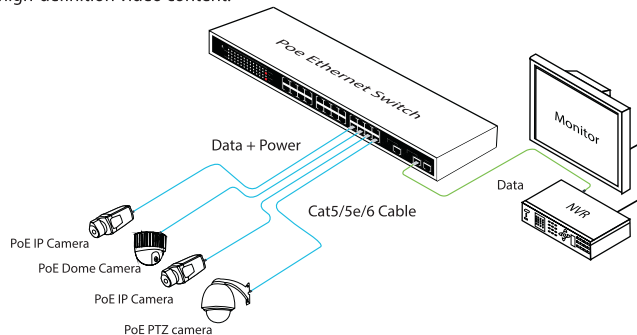
Please check the following items before installation. If any items are missing, please contact Rocstor or the installing company.

- 1x SolidConnect SCM8
- 1x AC power cable
- 1x User manual



Application

The SolidConnect SCM8 represents an 8-port PoE Gigabit Ethernet Switch designed specifically for security monitoring purposes. It is tailored to enhance Ethernet HD monitor security systems and Ethernet projects effectively. This product seamlessly incorporates the essential attributes of security monitoring. It boasts swift packet forwarding capabilities, ensuring efficient data transmission. With complete gigabit transfer rates, it delivers ample bandwidth to guarantee crystal-clear images and seamless transmissions. It perfectly caters to the high-bandwidth demands of high-definition video content.



Login Information

IP Address	192.168.1.1
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.254
User Name	admin
Password	admin

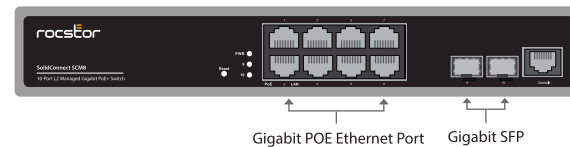
Features

- Adheres to IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3af, and IEEE 802.3at standards.
- Equipped with 8 10/100/1000Base-T ports and 2 Gigabit SFP ports.
- Features 8 PoE+ injectors, offering a combined built-in power supply of 130W.
- Total 120W PoE power on 8 ports - 30W power per PoE port.
- Boasts a substantial backplane bandwidth of 20 Gbps.
- Supports IEEE 802.3x flow control for optimized data transmission.

Board Diagram

SolidConnect SCM8

Front



Back



Installation Steps

- 1- Before beginning installation, ensure that both the signal power and display device power are turned off. Installing with power could result in damage to the transmission equipment.
- 2- Connect each PoE IP camera and one of the 8 ports of the product using network cables.
- 3- Establish a connection between the uplink port of the equipment and the NVR or computer using a network cable.
- 4- Plug in the AC power source.
- 5- After completing the installation, verify that all components are correctly positioned, the equipment is in good condition, and the connections are stable. Once confirmed, you can proceed to power on the system.
- 6- Make sure that the Ethernet equipment is powered and functioning properly.

By following these steps, you can perform a safe and effective installation of your equipment. Remember to exercise caution when dealing with electrical connections and refer to the manufacturer's instructions for specific details related to your product.

Troubleshooting

If you encounter any issues with the equipment, kindly follow these steps:

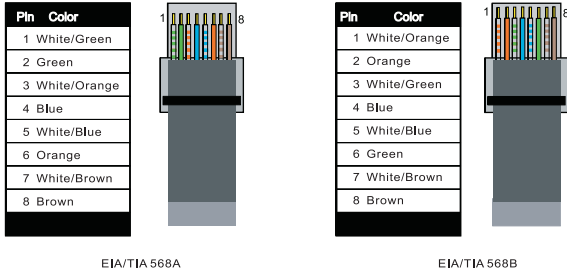
- Ensure the equipment is installed according to the manufacturer's installation guide.
- Verify that the RJ45 cable order complies with the EIA/TIA568A or 568B standard.
- Note that each PoE port can only provide a maximum power of less than 30W. Avoid connecting PoE equipment requiring power over 30W.
- If problems persist, consider replacing the equipment with a fully functioning 8 ports PoE Ethernet Switch to assess for damages.
- Should the trouble persist, please get in touch with your vendor for further assistance.

Plug Producing Method

Required Tools: Wire crimper, network tester, and RJ45 plug with wire sequence conforming to EIA/TIA568A or 568B.

Instructions:

- 1- Strip off 2cm of the insulating layer to expose the 8 pairs of UTP cable.
- 2- Separate and straighten the 8 pairs of UTP cable.
- 3- Arrange the 8 cables according to EIA/TIA568A or 568B standard.
- 4- Trim the cables, leaving 1.5cm of bare wire exposed.
- 5- Insert each cable into the appropriate pin of the RJ45 plug.
- 6- Utilize the wire crimper to securely crimp the RJ45 plug.
- 7- Repeat the process to create additional ends as needed.
- 8- Use the network tester to verify the cable's functionality.



EIA/TIA 568A

EIA/TIA 568B

! When choosing an RJ45, ensure that if one end is EIA/TIA568A, the other end is also EIA/TIA568A.
When choosing an RJ45, ensure that if one end is EIA/TIA568B, the other end is also EIA/TIA568B.

Specification

Item		Description	
Power	Power supply	Built-in power supply	
	Voltage Range	AC:100~240V	
	Consumption	120W for 8 PoE	
Ethernet	Speed	1~8 Port:10/100/1000Mbps 9~10:100Mbps SFP port (SFP support optical module rates:1.25Gbps)	
	Transmission Distance	100Meter(328ft)for RJ-45 SFP optical module is optional, and the transmission distance depends on the optical module	
Network Switch	Ethernet Standard	IEEE 802.3/802.3u/802.3x/802.3ab/802.3af/at	
	Switching capacity	20G	
	Transfer Rate		14,880pps for 10Mbps
			148,800pps for 100Mbps
			1,488,000pps for 1000Mbps
MAC Address	8K MAC address table		
LINK / ACT	On	Green	The port is connecting
	Blinks	-	The port is receiving or transmitting data
	Off	-	The port is not linked successfully with the device
PoE	On	Orange	PD is connected
	Off	-	No PD is connected or power forwarding fails
	PoE pin assignmet	V+(RJ45 Pin 1,2), V-(RJ45 Pin 3,6)	
Environment	Working Temperature	0°C~40°C (32°F~104°F)	
	Storage Temperature	-40°C~70°C (-40°F~158°F)	
	Humidity Non condensing	0~85%	
Mechanical	Dimension	270 x 180 x 44mm	
	Color	Black	

Specifications are subject to change without prior notice.

Warranty Information

This product is backed by a (5) five-year warranty. Rocstor warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. Rocstor does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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Support

Technical support is available to all the registered users of Rocstor products.

Technical Support / RMA

Hours: 9:00 am - 5:00 pm PST
Monday to Friday (except holidays)

Tell: +1 (818) 727-7000 (National and international)

Fax: +1 (818) 875-0002

Email: support@Rocstor.com

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