

## SolidConnect



## User Manual

SolidConnect SC5  
Y10S005-B1

4-Port PoE Gigabit Unmanaged Ethernet Switch - 4 PoE+ Gigabit,  
1-Port Gigabit RJ45 & 1-Port Gigabit SFP Uplink port - Black

### Package Content

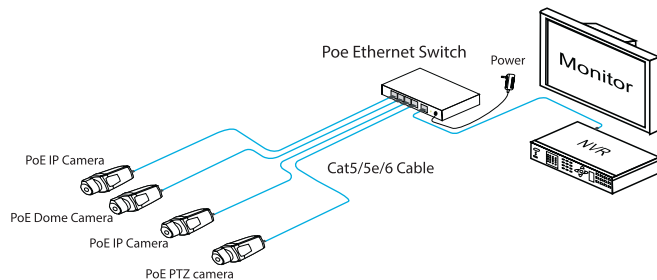
Please check the following items before installation. If any items are missing, please contact Rocstor or the installing company.

- 1x SolidConnect SC5
- 1x AC power cable
- 1x User manual



### Application

The SolidConnect SC5, a 6 Port/4 PoE Gigabit PoE Switch, is meticulously designed to seamlessly support security monitoring. Its full integration enables lightning-fast packet forwarding and swift Ethernet transfer rates, ensuring impeccable image quality, seamless transmission, and ample capacity for high-definition video. Trust in its efficiency to meet all your security needs effortlessly.



### Features

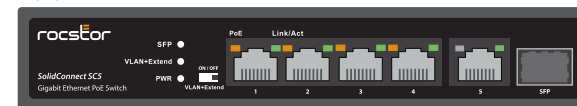
- VLAN Support: Ports 1-4 are isolated, ensuring POE devices communicate only with the uplink port, safeguarding information security and controlling network storms.
- Extended Transmission: Ports 1-4 can transmit up to 200 meters at 10mbps, while the uplink port extends up to 100 meters at 100mbps.
- IEEE Compliant: Conforms to IEEE 802.3, IEEE 802.3u, IEEE 802.3af, and IEEE 802.3at standards for seamless integration with existing setups.
- Versatile Ports: Equipped with 5 10/100/1000Base-T ports and 1 1000Base-X port for high-speed data transfer.
- PoE Support: Provides 4 PoE injectors and a 65W built-in power supply, delivering reliable power to PoE devices.
- High Bandwidth: Boasting a high backplane bandwidth of 12 Gbps for smooth data flow.
- Flow Control: Implements IEEE 802.3x flow control to optimize data transmission.

Simplify your network setup, ensure secure communication, and experience efficient performance with our VLAN+EXTEND Switch

### Board Diagram

#### 6 Port Gigabit PoE Switch

Front



VLAN+EXTEND      Gigabit PoE Ethernet Ports for transmission of Power + Data      Gigabit Uplink Ports for transmission of Data

Back



Power Input Port  
INPUT : 100 - 240V AC

### Installation Steps

- 1- Preparation:** Before installation, make sure to turn off the power signal and the display device's power to avoid any damage to the equipment during setup.
- 2- Connect PoE Devices:** Using a network cable, connect your PoE IP cameras or other compatible devices to ports 1-4 on the PoE Switch.
- 3- Uplink Connection:** Utilize a network cable to connect your other equipment, such as an NVR (Network Video Recorder) or a computer, to the uplink port of the PoE Switch.
- 4- Power Connection:** Connect the provided power adapter to the PoE Switch to provide it with power.
- 5- Verification:** Check if the installation is done correctly, ensuring all equipment is in good condition and the connections are stable.
- 6- Power On:** Once you've verified the setup, you can now connect the power to the entire system.
- 7- Confirmation:** Confirm that the PoE Switch is receiving power and functioning properly.

Following these steps will ensure a smooth and successful installation of your PoE Switch. Remember to consult the manufacturer's manual for any specific instructions or additional details related to your particular model.

## Troubleshooting

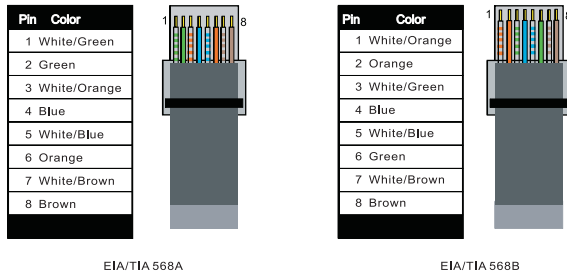
- Please ensure proper installation as per the manufacturer's guide.
- Verify that the RJ45 cable order complies with EIA/TIA 568A or 568B standard.
- Avoid connecting PoE equipment exceeding 30W power per port.
- Test for equipment damage by substituting with a functional 6 Port PoE Ethernet Switch.
- Remember, the total PoE power across all 4 ports is limited to 62W.

## 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.



**!** 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	100~240VAC	
	PoE Power Budget	62W for PoE	
Ethernet	Speed	1-5 Port: 10/100/1000 Mbps Uplink: 1.25 Gbps for SFP	
	Transmission Distance	RJ45: 328 ft. (100 meters) SFP Port: Transmission distances vary with type of SFP module used. SFP module not included	
Network Switch	Ethernet Standard	IEEE 802.3 / 802.3u / 802.3ab / 802.3af / 802.3at	
	Switching Capacity	12 Gbps	
	Transfer Rate	14,880 pps for 10 Mbps 148,800 pps for 100 Mbps 1,488,000 pps for 1000 Mbps	
	MAC Address	2K MAC address table	
5, 6	On	Green	The port is connecting
	LINK / ACT Indicator	On	Green
LINK / ACT Indicator	Blinks	-	The port is receiving or transmitting data
	Off	-	The port is not linked successfully with the device
	PoE Indicator	On	Orange
Off		-	No PD is connected or power forwarding fails
PoE Indicator	PoE pin assignment	V- (RJ45 Pin 1, 2), V+ (RJ45 Pin 3, 6)	
Working 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 L x W x H	6.6" x 3.7" x 1.25"	
		168 x 94 x 32 mm	
	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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