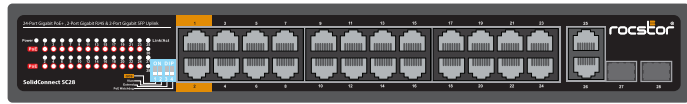


## SolidConnect



## User Manual

SolidConnect SC28  
Y10S008-B1

28-Port Switch - 24-Port PoE+ Gigabit Unmanaged Ethernet Switch,  
2-Port Gigabit RJ45 & 2-Port Gigabit SFP Uplink port - Black

### Package Content

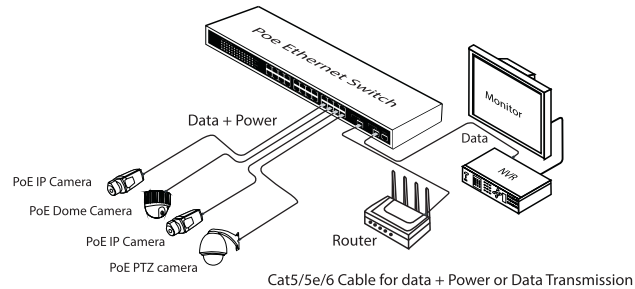
Please check the following items before installation. If any items are missing, please contact Rocstor or the installing company.

- 1x SolidConnect SC28
- 1x AC power cable
- 1x User manual



## Application

The SolidConnect SC28 is a 28-port/24 PoE Switch that offers seamless integration to enhance security monitoring. It delivers gigabit packet forwarding capability and fast Ethernet transfer rates, optimizing bandwidth to ensure crystal-clear images and smooth transmission, even for high-definition video.



## Features

The SolidConnect SC28 switch offers five modes:

- Extend Mode** : Up to 250 m data and power transmission range
- QOS** : Priority Mode ensures high priority of ports 1–2 to guarantee the quality of the sensitive applications
- Vlan** : It allows one-click client traffic separation for higher security and performance
- PoE Watchdog** : Automatically reboots your dropped or unresponsive PoE-powered devices with PoE Auto Recovery.

- Conforms to IEEE802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE802.3af/at.
- Provides 26 10/100/1000Base-T ports, 2 Gigabit RJ45, and 2 Gigabit SFP.
- Provides 24 PoE injector and 370W Built-in power supply.
- High backplane bandwidth of 56 Gbps.
- Includes IEEE 802.3x flow control.

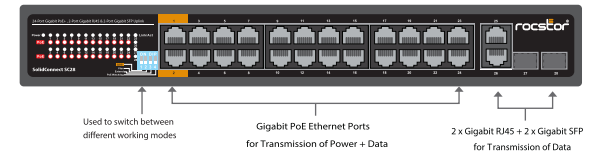
Simplify your network setup, ensure secure communication, and experience efficient performance with our AI functions

**Normal Mode ,QOS Mode, Vlan Mode, Extend Mode, PoE Watchdog Mode**

## Board Diagram

SolidConnect SC28

Front



Back



## Installation Steps

- 1- Prior to installation, ensure both the power signal and the display device's power are switched off to avoid equipment damage during the installation process.
- 2- Utilize a network cable to connect the PoE IP camera or other devices to one of the 1-24 PoE ports available on the PoE Switch.
- 3- Connect the equipment to the uplink port and the NVR or computer using a network cable.
- 4- Attach the AC cable to the unit.
- 5- After completing the connections, verify the accuracy of the installation, ensure the equipment is in good condition, and confirm stable connections. Once satisfied, proceed to power on the system.
- 6- Verify that the PoE Switch has adequate power supply and is functioning correctly before proceeding.

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:

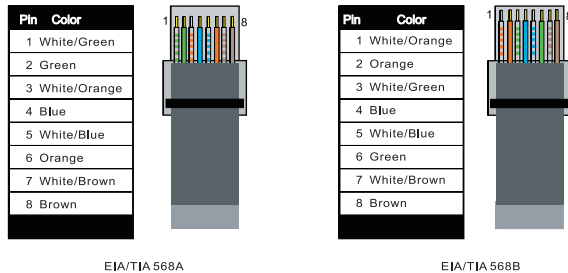
- Ensure the equipment is installed according to the manufacturer's installation guide.
- Verify that the RJ45 cable order complies with the EIA/TIA568A or 568B standard.
- Note that each PoE port can only provide a maximum power of less than 30W. Avoid connecting PoE equipment requiring power over 30W.
- If problems persist, consider replacing the equipment with a fully functioning 28 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	AC100~240V	
	Consumption	370W for 24 PoE	
Ethernet	Speed	1~26 Port: 10/100/1000Mbps 27~28: Gigabit SFP	
	Transmission Distance	100Meter(328ft)for RJ-45 2Km 20Km for SFP Port The optical module is optional	
Network Switch	Ethernet Standard	IEEE 802.3 / 802.3i / 802.3u / 802.3ab / 802.3z / 802.3af/at	
	Switching capacity	56G	
	Transfer Rate		14.880pps for 10Mbps
			148.800pps for 100Mbps
		1488.000pps 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	Green	PD is connected
	Off	-	No PD is connected or power forwarding fails
	PoE pin assignment	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	320 x 207 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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