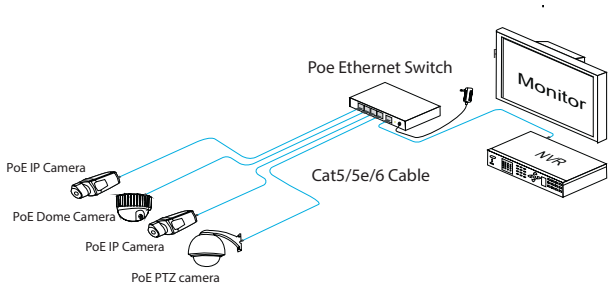
Application

The SolidConnect SC10 is an 8 PoE Gigabit Ethernet Switch specially designed for security monitoring purposes and Ethernet HD monitor security systems. This product is fully integrated with security monitoring features, offering fast packet forwarding capability and gigabit transfer rates, ensuring clear images and smooth transmission. It provides ample bandwidth to meet the demands of high-definition video.



Features

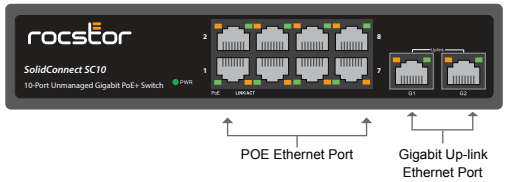
- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab,IEEE802.3af, IEEE802.3at
- 10 10/100/1000Base-T ports
- Provides 8 PoE injector and 120W Built-in power supply
- High back-plane bandwidth 20Gbps
- IEEE802.3x Flow control

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

Board Diagram

SolidConnect SC10

Front



Back



Installation Steps

1- For a safe installation, make sure to turn off both the signal power and the power of the display devices. Installation with power may harm the transmission equipment.
2- Use network cables to connect the PoE IP camera to the appropriate downlink port (1-8) on the product.
3- Connect the equipment's uplink port to the NVR or computer using a network cable.
4- Plug in the AC power cable to provide power.
5- Verify that the installation is correct, the equipment is in good condition, and all connections are stable before powering on the system.
6- Ensure the Ethernet equipment is powered on and functions 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

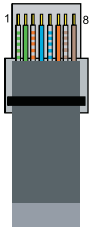
- Ensure the equipment is installed following the manufacturer's installation guide.
- Verify that the RJ45 cable order adheres to the EIA/TIA 568A or 568B standard.
- Each PoE port supports a maximum power of less than 30W. Avoid connecting PoE equipment with power requirements over 30W.
- To check for equipment damage, consider replacing it with a fully functional 10-port PoE Ethernet Switch.
- If issues persist, please contact 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.

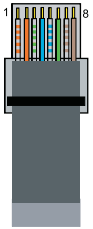
Instructions:
1- Strip off 2cm of the insulating layer to expose the 8 pairs of UTP cable.
2- Separate and straighten the 8 pairs of UTP cable.
3- Arrange the 8 cables according to EIA/TIA568A or 568B standard.
4- Trim the cables, leaving 1.5cm of bare wire exposed.
5- Insert each cable into the appropriate 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.

Pin	Color
1	White/Green
2	Green
3	White/Orange
4	Blue
5	White/Blue
6	Orange
7	White/Brown
8	Brown



EIA/TIA 568A

Pin	Color
1	White/Orange
2	Orange
3	White/Green
4	Blue
5	White/Blue
6	Green
7	White/Brown
8	Brown



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.

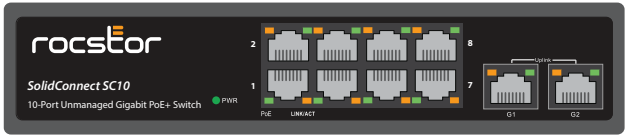
Specification

Item			Description
Power	Power supply		Built-in power supply
	Voltage Range		100~240VAC
	Switch Consumption		<15W
Ethernet	Speed		1~8 Port : 10/100/1000Mbps
			2 TP UPLINK:1000Mbps
Network Switch	Ethernet Standard		IEEE 802.3x / IEEE 802.3 / 802.3u / 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		4K 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
	Capacity		105W
	PoE pin assignmnet		V+(RJ45 Pin 1,2), V-(RJ45 Pin 3,6)
Environment	Working Temperature		0~40℃
	Storage Temperature		-40~70℃
Mechanical	Dimension		200mm x 118mm x 44mm
	Color		Black

Specifications are subject to change without prior notice.

rocstor®

SolidConnect



User Manual

SolidConnect SC10

Y10S006-B1

10-Port Unmanaged Gigabit PoE+ Switch
8-Port Gigabit PoE+ , 2-Port Gigabit RJ45 Uplinks - Black

Package Content

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

- 1x SolidConnect SC10
- 1x AC power cable
- 1x User manual

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LISTED
E502396
D7010-8P-120

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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