SICOM3307S/SICOM3008S Industrial Ethernet Switch Hardware Installation Manual



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Publication Date: Mar. 2013

Version: V1.0

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SICOM3307S/SICOM3008S Industrial Ethernet Switch
Hardware Installation Manual
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as updated as possible. This document is not guaranteed to be error-free, and we reserve the right
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Notice for Safety Operation

The product performs reliably as long as it is used according to the guidance. Artificial damage or destruction of the device should be avoided. Before using the device, read this notice carefully for personal and equipment safety. Please keep the manual for further reference. Kyland is not liable to any personal or equipment damage caused by violation of this notice.

- Do not place the device near water sources or damp areas. Keep the ambient relative humidity within the range from 5% to 95% (non-condensing).
- Do not place the device in an environment with high magnetic field, strong shock, or high temperature. Keep the working and storage temperatures within the allowed range.
- Install and place the device securely and firmly.
- Please keep the device clean; if necessary, wipe it with a soft cotton cloth.
- Do not place any irrelevant materials on the device or cables. Ensure adequate heat dissipation and tidy cable layout without knots.
- Wear antistatic gloves or take other protective measures when operating the device.
- Avoid any exposed metal wires because they may be oxidized or electrified.
- Install the device in accordance with related national and local regulations.
- Before power-on, make sure the power supply is within the allowed range of the device. High voltage may damage the device.
- Power connectors and other connectors should be firmly interconnected.
- Do not plug in or out the power supply with wet hands. When the device is powered on, do not touch the device or any parts with wet hands.
- Before operating a device connected to a power cable, remove all jewelry (such as rings, bracelets, watches, and necklaces) or any other metal objects, because they may cause electric shock or burns.
- Do not operate the device or connect or disconnect cables during an electrical storm.
- Use compatible connectors and cables. If you are not sure, contact our sales or technical support personnel for confirmation.
- Do not disassemble the device by yourself. When an anomaly occurs, contact our sales or technical support personnel.
- If any part is lost, contact our sales or technical support personnel to purchase the substitute.
 Do not purchase parts from other channels.

 Dispose of the device in accordance with relevant national provisions, preventing environmental pollution.

In the following cases, please immediately shut down your power supply and contact your Kyland representative:

- Water gets into the equipment.
- Equipment damage or shell damage.
- Equipment operation or performance has abnormally changed.
- The equipment emits odor, smoke or abnormal noise.

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1 Product Overview

SICOM3307S/SICOM3008S includes a series of green low-consumption managed Power over Ethernet (POE) industrial Ethernet switches applied in the security, highway monitoring, rail transit, railway disaster prevention, coal mining operation, industrial production control, and many other industries. The series switches can be managed through the console port, Telnet, and Web. Compatible with 802.3at-compliant Power Devices (PDs), SICOM3307S/SICOM3008S supports PD power detection and classification, POE consumption limiting, PD fault detection, POE output status display, POE alarm output, as well as one-touch recovery and Virtual Cable Test (VCT). The series switches support DIN-rail and panel mounting.

SICOM3307S provides three 1000Base-X, 10/100/1000Base-T(X) Combo ports (Combo ports) and seven 10/100Base-T(X) Ethernet ports. SICOM3008S provides eight 10/100Base-T(X) Ethernet ports. The 10/100Base-T(X) Ethernet ports support 802.3at POE output. Each POE port provides 30W feed (44-57VDC).

Table 1 SICOM3307S/SICOM3008S Model

Model	Cambanant	10/100Base-T(X) Ethernet	Power Supply
	Combo port	port (802.3at)	
SICOM3307S-3GX/GE-7T-7P	3	7	40DC (radius dant)
SICOM3008S-8T-8P		8	48DC (redundant)



Note:

We reserve the right to amend the product information listed in this table without notice. To obtain the latest information, contact our sales or technical support personnel.

2 Structure and Interface



Caution:

It is recommended to purchase the port dustproof shield (optional) to keep ports clean and ensure switch performance.

2.1 Front Panel

Front Panel of SICOM3307S

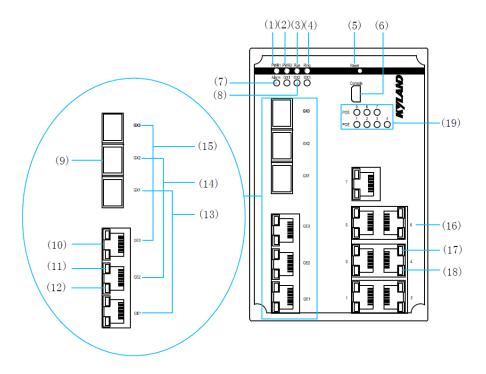


Figure 1 Front Panel of SICOM3307S

Table 2 Description of the Front Panel of SICOM3307S

No.	Identifier	Description	
(1)	PWR1	Power 1 LED	
(2)	PWR2	Power 2 LED	
(3)	Run	Running LED	
(4)	Ring	Ring LED	
(5)	Reset	Reset button	
(6)	Console	Console port	
(7)	Alarm	Alarm LED	
(8)	GX1-GX3	Gigabit SFP slot connection status LEDs	

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(9)	GX1-GX3	Three gigabit SFP slots	
(10)	GE1-GE3	Three 10/100/1000Base-T(X) Ethernet ports	
(11)		10/100/1000Base-T(X) Ethernet port speed LED (yellow)	
(12)		10/100/1000Base-T(X) Ethernet port connection status LED (green)	
(13)	GX1, GE1	Combo port 1	
(14)	GX2, GE2	Combo port 2	
(15)	GX3, GE3	Combo port 3	
(16)	1-7	Seven 10/100Base-T(X) Ethernet ports	
(17)		10/100Base-T(X) Ethernet port speed LED (yellow)	
(18)		10/100Base-T(X) Ethernet port connection status LED (green)	
(19)	POE, 1-7	POE LED	

• Front Panel of SICOM3008S

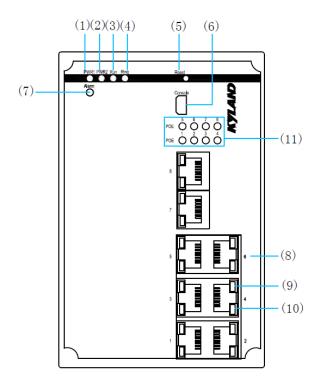


Figure 2 Front Panel of SICOM3008S

Table 3 Description of the Front Panel of SICOM3008S

No.	Identifier	Description
(1)	PWR1	Power 1 LED
(2)	PWR2	Power 2 LED
(3)	Run	Running LED

KYLAND Structure and Interface

(4)	Ring	Ring LED	
(5)	Reset	Reset button	
(6)	Console	Console port	
(7)	Alarm	Alarm LED	
(8)	1-8	Eight 10/100Base-T(X) Ethernet ports	
(9)		10/100Base-T(X) Ethernet port speed LED (yellow)	
(10)		10/100Base-T(X) Ethernet port connection status LED (green)	
(11)	POE, 1-8	POE LED	

2.2 Top Panel

Top Panel of SICOM3307S/SICOM3008S

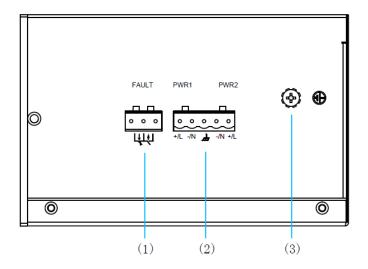


Figure 3 Top Panel of SICOM3307S/SICOM3008S

Table 4 Description of the Top Panel of SICOM3307S/SICOM3008S

No.	Identifier	Description	
	FAULT		
1	ार्रा∓ा	Alarm terminal block	
2	PWR1 PWR2	Dower terminal block	
2 Power terminal block	Power terminal block		
3		Grounding screw	

3 Mounting

3.1 Dimension Drawing

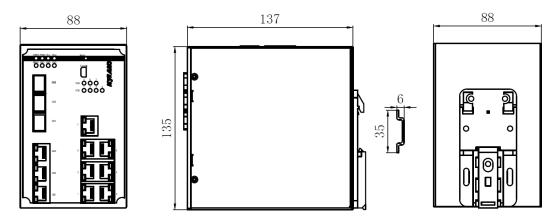


Figure 4 Dimensions for DIN-Rail Mounting (unit: mm)

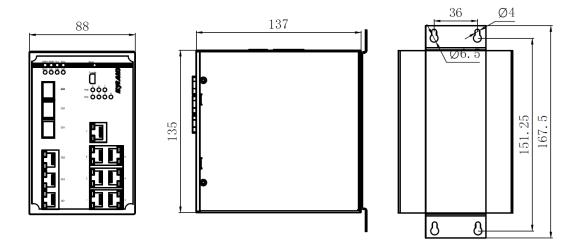


Figure 5 Dimensions for Panel Mounting (unit: mm)



Caution:

- As part of the heat dissipation system, the switch housing becomes hot during operation. Please use caution when coming in contact and avoid covering the switch housing when the switch is running.
- SICOM3307S is used as an example to show the dimensions for DIN-rail and panel mounting. The dimensions of SICOM3008S is the same as that of SICOM3307S.

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KYLAND Mounting

3.2 Mounting Modes and Steps

The series switches support DIN-rail and panel mounting. Before installation, make sure that the following requirements are met.

- Environment: temperature (-40°C to 85°C), ambient relative humidity (5% to 95%, non-condensing)
- 2) Power requirement: The power input is within the voltage range of the switch.
- 3) Grounding resistance: $<5\Omega$
- 4) No direct sunlight, distant from heat source and areas with strong electromagnetic interference.

3.2.1 DIN-Rail Mounting

Mounting

- Step 1: Select the mounting position for the device and guarantee adequate space and heat dissipation (dimensions: 88mm×135mm×137mm).
- Step 2: Insert the connecting seat onto the top of the DIN rail, and push the bottom of the device inward and upward to ensure the DIN rail fits in the connecting seat. Make sure the device is firmly installed on the DIN rail, as shown in the following figure.

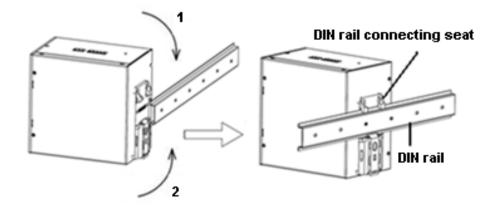


Figure 6 DIN-Rail Mounting

Dismounting

- Step 1: Insert the head of a screwdriver into the opening of the spring locking piece at the bottom from the left. Lift the handle of the screwdriver to open the spring locking piece of the connecting seat, as shown on the left of the following figure.
- Step 2: Move the device in direction 2 until the bottom of the device is detached from the DIN rail.

 Then move the device in direction 3 and uplift the device until the top of the connecting seat is detached from the DIN rail.

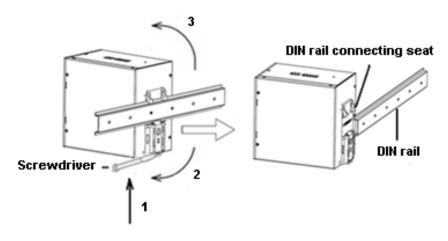


Figure 7 DIN-Rail Dismounting

3.2.2 Panel Mounting



Caution:

Purchase the plate (optional) for panel mounting.

Panel Mounting

- Step 1: Use screws to secure the plate for panel mounting to the rear panel of the device.
- Step 2: Select the mounting position (on a wall or inner wall of a cabinet) for the device and guarantee adequate space and heat dissipation (dimensions: 88mm×135mm×137mm).
- Step 3: Punch four holes in the selected position according to the dimensions for panel mounting.

 Insert four screws into the four holes respectively, and turn the screws with a screwdriver until about a 5mm distance is left between each screw head and the wall.
- Step 4: Align the four mounting holes on the plate for panel mounting with the four screws. Insert the screws through the Φ 6.5 positions in the following figure. Move the device in direction 1 until the screws are in the Φ 4 positions. Then tighten the screws.

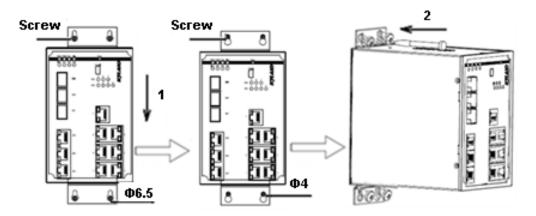


Figure 8 Panel Mounting

Panel Dismounting

Step 1: Loosen the four screws with a screwdriver. Pull the device upward until the four screws are in the Φ 6.5 positions in the following figure. Then remove the plate for panel mounting from the four screws to detach the device from the wall or inner wall of the cabinet.

Step 2: Loosen the screws completely with a screwdriver. Remove them from the wall or inner wall of the cabinet. Then remove the plate for panel mounting from the rear panel to complete dismounting the device.

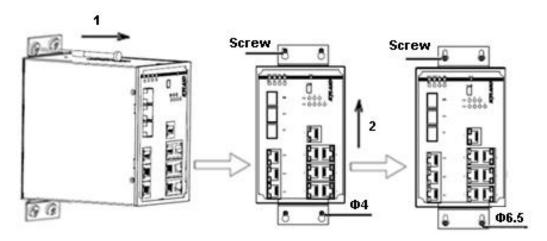


Figure 9 Panel Dismounting

KYLAND Connection

4 Connection

4.1 10/100Base-T(X) Ethernet Port

4.1.1 Functions

Data Transmission

10/100Base-T(X) Ethernet port is equipped with RJ45 connector. The port is self-adaptive. It can automatically configure itself to work in 10M or 100M state, full or half duplex mode. The port can also adapt to MDI or MDI-X connection automatically. You can connect the port to a terminal or network device with a straight-through or cross-over cable.

POE

The 10/100Base-T(X) Ethernet ports of the series switches support 802.3at POE output. Serving as the Power Sourcing Equipment (PSE), the series switches can provide power supply for PDs through 10/100Base-T(X) Ethernet ports. Each POE port provides 30W feed (44-57VDC).

1. POE Definition

POE indicates that the device can provide power supply for PDs through Ethernet ports. The device allows a maximum distance of 100m for power supply.

2. POE Power Supply

The device supports data wires (1, 2, 3, and 6) and free wires (4, 5, 7, and 8) to provide power supply for PDs at the same time.

4.1.2 Pin Definitions and Wiring Sequence

Pin Definition

The following figure shows the pin numbers of the 10/100Base-T(X) RJ45 port.

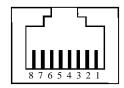


Figure 10 RJ45 Port

The following table lists the pin definitions of the 10/100Base-T(X) RJ45 port.

Table 5 Pin Definitions of 10/100Base-T(X) RJ45 Port

Pin	MDI-X Signal	MDI Signal	POE
1	Receive Data+ (RD+)	Transmit Data+ (TD+)	V+
2	Receive Data- (RD-)	Transmit Data- (TD-)	V+
3	Transmit Data+ (TD+)	Receive Data+ (RD+)	V-
6	Transmit Data- (TD-)	Receive Data- (RD-)	V-
4	Unused	Unused	V+
5	Unused	Unused	V+
7	Unused	Unused	V-
8	Unused	Unused	V-



Note:

- "+" and "-" indicate level polarities.
- 1, 2, 3, and 6 are data wires; 4, 5, 7, and 8 are free wires. Both types of wires provide power supply for PDs at the same time.

Wiring Sequence

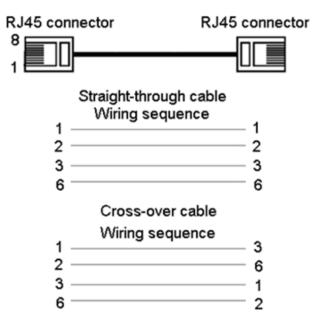


Figure 11 Connection Using Straight-through/Cross-over Cable



Note:

The color of the cable for RJ45 connector meets the 568B standard: 1-orange and white, 2-orange,

3-green and white, 4-blue, 5-blue and white, 6-green, 7-brown and white, and 8-brown.

KYLAND Connection

4.2 10/100/1000Base-T(X) Ethernet Port

10/100/1000Base-T(X) Ethernet port is equipped with RJ45 connector. The port is self-adaptive. It can automatically configure itself to work in 10M, 100M, or 1000M state, full or half duplex mode. The port can also adapt to MDI or MDI-X connection automatically. You can connect the port to a terminal or network device with a straight-through or cross-over cable.

Pin Definition

The following figure shows the pin numbers of the 10/100/1000Base-T(X) RJ45 port.

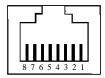


Figure 12 RJ45 Port

The following table lists the pin definitions of the 10/100/1000Base-T(X) RJ45 port.

Table 6 Pin Definitions of 10/100/1000Base-T(X) RJ45 Port

Pin	MDI	MDI-X
1	Transmit/Receive Data (TRD0+)	Transmit/Receive Data (TRD1+)
2	Transmit/Receive Data (TRD0-)	Transmit/Receive Data (TRD1-)
3	Transmit/Receive Data (TRD1+)	Transmit/Receive Data (TRD0+)
4	Transmit/Receive Data (TRD2+)	Transmit/Receive Data (TRD3+)
5	Transmit/Receive Data (TRD2-)	Transmit/Receive Data (TRD3-)
6	Transmit/Receive Data (TRD1-)	Transmit/Receive Data (TRD0-)
7	Transmit/Receive Data (TRD3+)	Transmit/Receive Data (TRD2+)
8	Transmit/Receive Data (TRD3-)	Transmit/Receive Data (TRD2-)



Note:

"+" and "-" indicate level polarities.

Wiring Sequence

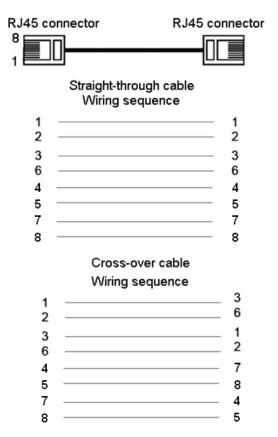


Figure 13 Connection Using Straight-through/Cross-over Cable



Note:

The color of the cable for RJ45 connector meets the 568B standard: 1-orange and white, 2-orange,

3-green and white, 4-blue, 5-blue and white, 6-green, 7-brown and white, and 8-brown.

4.3 1000Base-X, 10/100/1000Base-T(X) SFP Slot

1000Base-X, 10/100/1000Base-T(X) SFP slot (gigabit SFP slot) requires an SFP optical/electrical module to enable data transmission. The following table lists the gigabit SFP optical/electrical modules (optional) supported by the series switches.

Table 7 Gigabit SFP Optical/Electrical Modules

Model	Port	MM/SM Connector	Central	Central	Transmission
Model	Port		Wavelength	Distance	
IGSFP-M-SX-LC-850-0.55	1000Base-X port	MM	LC	850nm	0.55km
IGSFP-S-LX-LC-1310-10	1000Base-X port	SM	LC	1310nm	10km
IGSFP-S-LH-LC-1310-40	1000Base-X port	SM	LC	1310nm	40km
IGSFP-S-ZX-LC-1550-80	1000Base-X port	SM	LC	1550nm	80km
IGSFP-10/100/1000BASE-	10/100/1000Base-T(X)		RJ45		
T-RJ45	port		NJ45		

KYLAND Connection

4.3.1 Gigabit SFP Optical Module

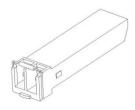


Figure 14 Gigabit SFP Optical Module

An SFP optical module is equipped with LC connector, and each port consists of a TX (transmit) port and an RX (receive) port. To enable communication between Device A and Device B, connect the TX port of Device A to the RX port of Device B, and the RX port of Device A to the TX port of Device B, as shown in the following figure.

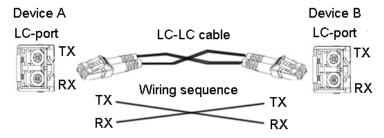


Figure 15 Fiber Connection of an SFP Optical Module

How to Connect the SFP Optical Module

Insert the SFP optical module into the SFP slot in the switch, and then insert the fibers into the TX port and RX port of the SFP module.

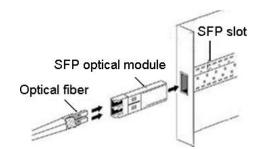


Figure 16 Connecting the SFP Optical Module

Identify the RX port and TX port of an SFP optical module:

- Insert the two connectors in one end of two fibers into the SFP module, and those in the other end into the peer module.
- View the corresponding connection status LED:

If the LED is on, the connection is correct. If the LED is off, the link is not connected. This may be caused by incorrect connection of the TX and RX ports. In this case, swop the two connectors at one end of the fibers.





Caution:

- The device uses laser to transmit signals in fibers. The laser meets the requirements of level 1 laser products. Routine operation is not harmful to your eyes, but do not look directly at the fiber port when the device is powered on.
- If the defined transmission distance of an SFP module is longer than 60km, do not use a short fiber
 (<20km) for connection. If such a short fiber is used, the module will be burned.

4.3.2 Gigabit SFP Electrical Module

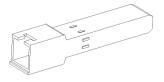


Figure 17 Gigabit SFP Electrical Module

How to Connect the SFP Electrical Module

Insert the SFP electrical module into the SFP slot in the switch, and then insert the RJ45 connector of the twisted pair into the SFP module.

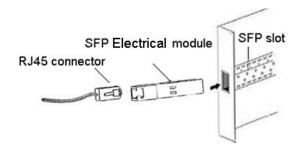


Figure 18 Connecting the SFP Electrical Module

4.4 1000Base-X, 10/100/1000Base-T(X) Combo Port

1000Base-X, 10/100/1000Base-T(X) Combo port (Combo port for short) consists of one gigabit SFP slot and one 10/100/1000Base-T(X) Ethernet port. Only one of the two can work at a time. The gigabit SFP slot takes preference over the 10/100/1000Base-T(X) Ethernet port, that is, if both the gigabit SFP slot and 10/100/1000Base-T(X) Ethernet port are connected, the gigabit SFP slot works while 10/100/1000Base-T(X) Ethernet port stops working automatically. For details about the gigabit SFP slot, see section 4.3; for details about the 10/100/1000Base-T(X) Ethernet port, see section 4.2.

The following table lists the gigabit SFP slots and 10/100/1000Base-T(X) Ethernet ports of the Combo ports.

Table 8 Combo Port

Combo Port GE		
Combo Port Gigabit SFP Slot		10/100/1000Base-T(X) Ethernet Port
1	GX1	GE1
2	GX2	GE2
3	GX3	GE3

4.5 Console Port



Caution:

To use the console port, purchase the USB console cable (optional).

The device provides a console port on the front panel. To use the console port, install Mini USB driver.exe on the computer. The program is in the delivered CD. Then use a cable with one Mini USB connector and one USB connector to connect the console port of the switch to the USB port of the computer. You can configure, maintain, and manage the switch by running Hyper Terminal in Windows OS of a computer.



Figure 19 Console Port

Mini USB Connector

The following figure shows the pin numbers of the Mini USB connector.



Figure 20 Mini USB Connector

The following table lists the pin definitions of the Mini USB connector.

Table 9 Pin Definitions of the Mini USB Connector

Mini USB Pin	Definition
1	VBUS
2	D-
3	D+
4	ID
5	Grounding

USB Connector

The following figure shows the pin numbers of the USB connector.



Figure 21 USB Connector

The following table lists the pin definitions of the USB connector.

Table 10 Pin Definitions of the USB Connector

USB Pin	Definition
1	VBUS
2	D-
3	D+
4	Grounding

4.6 Grounding

Grounding protects the switch from lightning and interference. Therefore, you must ground the switch properly. You need to ground the switch before it is powered on and disconnect the grounding cable after the switch is powered off.

The switch provides a grounding screw on the top panel for chassis grounding. After crimping one end of the grounding cable to a cold pressed terminal, secure the end to the grounding screw and connect the other end to the earth firmly.

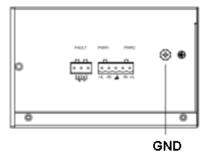


Figure 22 Grounding



Note:

Cross-sectional area of the chassis grounding cable>2.5mm²; grounding resistance<5Ω

4.7 Power Terminal Block

There is a power terminal block on the top panel of the device. You need to connect the power wires to the terminal block to provide power for the device. The device supports redundant power supply with 5-pin 5.08mm-spacing plug-in terminal block. When the redundant power supply is used and one power input is faulty, the device can continue operating properly, thereby improving network reliability.



Note:

0.75mm²<Cross-sectional area of the power wire<2.5mm²; grounding resistance<5Ω

5-Pin 5.08mm-Spacing Plug-in Terminal Block

The following figure shows the 5-pin 5.08mm-spacing plug-in terminal block.

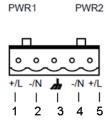


Figure 23 5-Pin 5.08mm-Spacing Plug-in Terminal Block (socket)

The following table lists the pin definitions of the 5-pin 5.08mm-spacing plug-in terminal block.

Table 11 Pin	Definitions of 5	-Pin 5.08mm	-Spacing Plug-i	n Terminal Block
10010 1111111		0.00	opacing i lag i	i i o i i i i i i a i b i o o i c

No.	DC Definition	AC Definition
1	PWR1: +	PWR1: L
2	PWR1: -	PWR1: N
3	PGND	PGND
4	PWR2: -	PWR2: N
5	PWR2: +	PWR2: L

Wiring and Mounting

- Step 1: Ground the device properly according to section 4.6.
- Step 2: Remove the power terminal block from the device.
- Step 3: Insert the power wires into the power terminal block according to Table 11 and secure the wires.
- Step 4: Insert the terminal block with the connected wires into the terminal block socket on the device.
- Step 5: Connect the other end of the power wires to the external power supply system according to the power supply requirements of the device. View the status of the power LEDs on the front panel. If the LEDs are on, the power is connected properly.

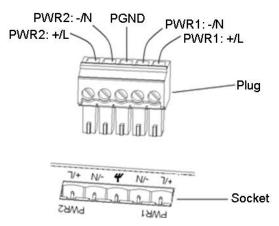


Figure 24 Connection of 5-Pin 5.08mm-Spacing Plug-in Terminal Block



Caution:

The switch supports 48DC power input. Before connecting the device to power supply, make sure that the power input meets the power requirement. If connected to an incorrect power input, the device may be damaged.





Warning:

- Do not touch any exposed conducting wire, terminal block, or component with a voltage warning sign,
 because it may cause damage to humans.
- Do not remove any part or plug in or out any connector when the device is powered on.

4.8 Alarm Terminal Block

The device provides an alarm terminal block on the top panel for alarm output. When the switch works properly, the normally-open contacts of the alarm relay are closed and the normally-closed contacts are open; when an alarm occurs, the normally-open contacts are open and the normally-closed contacts are closed. The alarm is outputted through a 3-pin 5.08mm-spacing plug-in terminal block.

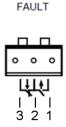


Figure 25 Alarm Terminal Block (socket)

Electrical parameters of the relay:

Max Switch Voltage: 250VAC/220VDC

Max Switch Current: 2A

Max Switching Power: 60W

Dielectric Strength: 2KV



Note:

Pin 1 and pin 2 are normally-open contacts; pin 2 and pin 3 are normally-closed contacts. When the switch works properly, pin 1 and pin 2 are closed, pin 2 and pin 3 are open; when an alarm occurs, pin 1 and pin 2 are open; pin 2 and pin 3 are closed.

Wiring and Mounting

Step 1: Remove the alarm terminal block from the switch.

Step 2: Secure the three wires for alarm into the alarm terminal block in the required sequence.

Step 3: Insert the alarm terminal block into its socket.

5 Reset

The device provides a Reset button on the front panel. The button can be used to restart the device or restore factory default settings. You can restart the device by pressing and holding the button for one second or restore factory default settings (including the IP address) by pressing and holding the button for five seconds. The default IP address is 192.168.0.2.



Caution:

To restart the device only, do not press and hold the button for five seconds or more, because the operation will restore factory default settings.

6 LEDs

Table 12 Front Panel LEDs

LED State		Description	
Dower 4 LED	On	Power 1 is connected and operates properly.	
Power 1 LED	Off	Power 1 is not connected or operates abnormally.	
Dawe O.I.ED	On	Power 2 is connected and operates properly.	
Power 2 LED	Off	Power 2 is not connected or operates abnormally.	
	Blinking	The CPU operates properly.	
Running LED	On	The CPU operates abnormally or is starting up.	
	Off	The CPU does not start up.	
	On	Master (DT-Ring mode)/Root (DRP mode)	
Ring LED	Blinking	Slave (DT-Ring mode)/B-Root or Normal (DRP mode)	
	Off	No ring	
Alassa I ED	On	An alarm occurs.	
Alarm LED	Off	No alarm occurs.	
Circleit CED alat assessation status	On	Effective port connection	
Gigabit SFP slot connection status	Blinking	Ongoing network activities	
LED	Off	No effective port connection	
	On	The POE port provides power supply normally.	
POE LED	Blinking	The POE port provides power supply abnormally.	
	Off	The POE port provides no power supply.	
Speed (yellow) Connection status (green)			
10/100Base-T(X) Ethernet port	On	100M working state (100Base-TX)	
speed LED (yellow)	Off	10M working state (10Base-T) or no connection	
40/400Paga T/V)	On	Effective port connection	
10/100Base-T(X) Ethernet port	Blinking	Ongoing network activities	
connection status LED (green)	Off	No effective port connection	

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LEDs

10/100/1000Base-T(X) Ethernet	On 1000M working state (1000Base-TX)		
port speed LED (yellow)	Off	10/100M working state (10/100Base-T(X)) or no connection	
40/400/4000Page T/V)	On	Effective port connection	
10/100/1000Base-T(X) Ethernet	Blinking	Ongoing network activities	
port connection status LED (green)	Off	No effective port connection	

7 Switch Access

You can access the switch in any of the following ways:

7.1 Access through Console Port

- Step 1: Install Mini USB driver.exe. You can find the program in the delivered CD.
- Step 2: Connect the USB port of the PC to the console port of the switch with the USB console cable.
- Step 3: Open Hyper Terminal in Windows OS. On the computer's desktop, click Start → All Programs → Accessories → Communications → Hyper Terminal.
- Step 4: Create a connection "Switch", as shown in the following figure.



Figure 26 Creating a Connection

Step 5: Connect the communication port in use, as shown in the following figure.



Figure 27 Selecting a Serial Port



Note:

To confirm the communication port in use, right-click [My Computer] and select [Property]. Click $[Hardware] \rightarrow [Device Manager] \rightarrow [Port]$ to view the communication port.

Step 6: Set port parameters (Bits per second: 115200, Data bits: 8, Parity: None, Stop bits: 1, and Flow control: None), as shown in the following figure.



Figure 28 Setting Port Parameters

Step 7: Click OK to enter the switch CLI. Then the following commands can be used to perform operations.

Table 13 CLI Commands

View	Command	Description	
User view	SWITCH>enable	Enter the management view.	
Management view	SWITCH#show interface	Query the default IP address of the switch.	
Management view	SWITCH#show version	Query the version of the switch.	
Management view	SWITCH#reboot	Restart the switch.	
Managaratai	OMITOLIUI d defect	Restore the factory default settings	
Management view SWITCH#load default		(excluding the IP address).	
Management view	SWITCH#config terminal	Enter the configuration view.	

KYLAND Switch Access

7.2 Access through Telnet

Step 1: Connect the network port of the PC to the RJ45 port of the switch with an RJ45-RJ45 cable.

Step 2: Enter "telnet *IP address*" in the Run dialog box. For example, if the IP address of the switch is 192.168.0.2 (default IP address of a Kyland switch), enter "telnet 192.168.0.2" in the dialog box.

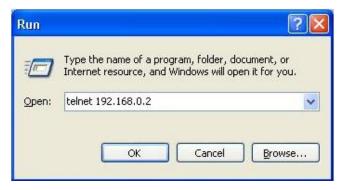


Figure 29 Access through Telnet

Step 3: Click OK. The Telnet CLI is displayed. Then you can enter commands (as listed in Table 13) to perform operations.

7.3 Access through Web

- Step 1: Connect the network port of the PC to the RJ45 port of the switch with an RJ45-RJ45 cable.
- Step 2: Enter the IP address of the switch in the address box of the browser. The user login interface is displayed. You can log in to the Web UI by using default user name "admin" and password "123".



Note:

- IE8.0 or a later version is recommended.
- For details about how to access the switch and other operations, refer to the Web operation manual in the delivered CD.

8 Basic Features and Specifications

Rated Voltage Range Maximum Voltage Range		
48VDC	44-57VDC	
5-pin 5.08mm-spacing plug-in terminal block		
SICOM3307S: 11W (MAX)		
SICOM3008S: 9W (MAX)		
Metal, fanless		
DIN-rail and panel mounting		
88mm×135mm×137mm (excluding connectors, DIN rail, and		
plate for panel mounting)		
1.25Kg		
-40℃~+85℃		
-40℃~+85℃		
5%~95% (non-condensing)		
SICOM3307S: 323,350 hours		
SICOM3008S: 325,120 hours		
5 years		
	48VDC 5-pin 5.08mm-spacing plug-ir SICOM3307S: 11W (MAX) SICOM3008S: 9W (MAX) Metal, fanless DIN-rail and panel mounting 88mm×135mm×137mm (exc plate for panel mounting) 1.25Kg -40°C~+85°C -40°C~+85°C 5%~95% (non-condensing) SICOM3307S: 323,350 hours SICOM3008S: 325,120 hours	

For more information about KYLAND products, please visit our website: http://www.kyland.com/