

SICOM3307S



7+3G Port Layer 2 Managed DIN-Rail PoE Switch

- 3 Gigabit Combo ports, 7 10/100Base-T(X) PoE ports compliant with 802.3af/at
- Support PD detection and PD classification
- Support PoE power limit, PD fault detection, PoE status display
- Supports DT-Ring, DRP and RSTP protocols
- Supports one-key recovery
- Provides Mini USB Console port
- Support cable check



Overview

SICOM3307S is Kyland Din-Rail Managed PoE switch and is equipped with 3 combo 1000M SFP or 10/100/1000Base-TX RJ45 ports and 7 10/100Base-TX PoE ports compliant with IEEE802.3af/at. While transmitting data over the cable, each PoE port can output up to 30 watts to PoE terminals directly, eliminating the need for additional wiring. The SICOM3307S is specifically designed to operate reliably in a variety of industrial applications such as automation, transportation and traffic video surveillance systems, relying on -40°C to 85°C wide temperature range, EMC level 4, IP40 protection class, strong vibration-resistant mounting clip for DIN-Rail installation. It supports DRP (recovery time<20ms), DT-Ring (recovery time<50ms), RSTP, VLAN, QoS, SNMPv1/v2c/v3, IEEE802.1X, SSH, SSL abundant redundant and security features.

Software Functions

Switching

- Support VLAN, PVLAN
- Support GVRP
- Support port trunking
- Support port flow control
- Support port speed limit
- Support broadcast storm control

Redundancy

- Support DT-Ring, DT-Ring+, DT-VLAN with the recovery time<50ms
- Support DRP with the recovery time<20ms
- Support STP/RSTP

Multicast

- Support IGMP Snooping,

- Support GMRP
- Support static multicast

Network Security

- Support HTTPs/SSL
- Support SSH
- Support TACACS+
- Support IEEE802.1X
- Support MAC address binding with switch ports

Service Quality

- Support SP, WRR queue scheduling

Management & Maintenance

- Support Console, Telnet, WEB management methods
- Support SNMPv1/v2c/v3, Kyvision centralized management
- Support software upgrade by FTP/TFTP
- Support power, port and ring alarm
- Support RMON
- Support port mirroring
- Support cable check
- Support Syslog
- Support LLDP
- Support Link-check

IP Management

- Support DHCP server/snooping/client, DHCP Option 82

Clock Management

- Support SNTP Client

PoE Management

- Support POE port setting and PD detection

Technical Specification

Technical Parameter

Standard

- ▼ IEEE 802.3i(10Base-T)
- ▼ IEEE 802.3u(100Base-TX)
- ▼ IEEE 802.3ab(1000Base-T)
- ▼ IEEE 802.3z(1000Base-X)
- ▼ IEEE 802.3x(Flow control)
- ▼ IEEE 802.1p(Class of Service)
- ▼ IEEE 802.1Q(VLAN)
- ▼ IEEE 802.1w(RSTP)
- ▼ IEEE802.1X
- ▼ IEEE802.3af/at (PoE, PoE Plus)

Switch Properties

Priority Queues	4
Number of VLANs	256
VLAN ID	1 ~ 4093
Number of Multicast Groups	256
MAC Table	8K
Packet Buffer	1Mbit
Packet Forwarding Rate	5.6 Mpps
Switching Delay	<10μs

Interface

Gigabit Port

- ▼ 1000Base-X, SFP slot
- ▼ 10/100/1000Base-T(X), RJ45 port

Fast Ethernet Port 10/100Base-T(X), RJ45 port

802.3at PoE Port

- ▼ Each PoE port provide max 30W feed power
- ▼ V+ for pin 1, 2 and V- for pin 3, 6 (End-Span PSE)

Console Port Mini USB

Alarm Contact

- ▼ 3-pin 5.08mm-spacing plug-in terminal block,250VAC/220VDC Max,2A Max

LED

LEDs on Front Panel

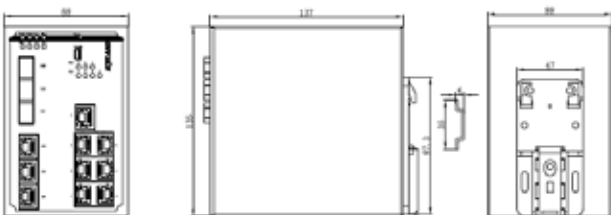
- ▼ Running LED: Run
- ▼ Alarm LED: Alarm
- ▼ Power LED: PWR1,PWR2
- ▼ Ring LED: Ring
- ▼ Interface LED: Link/ACT,Speed (RJ45 port); Link/ACT(Fiber port)
- ▼ PoE LED: 1-7

Button

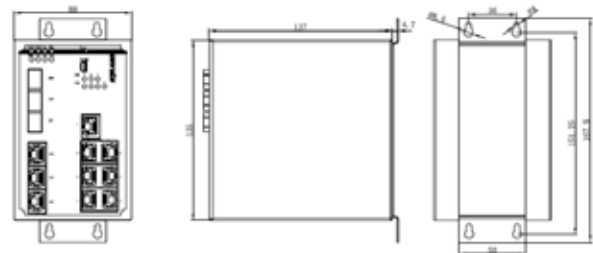
Reset: Reboot and restore default configuration

Mechanical Drawing

Din Rail Mounting



Panel Mounting



Power Requirements

Power Input

- ▼ 51-57VDC (802.3at)
- ▼ 48VDC (45-57VDC) (802.3af)

Power Terminal 5-pin 5.08mm-spacing plug-in terminal block

Power Consumption

- ▼ <11W (no PD),
- ▼ <225W (full PD)

PoE Overload Protection	Support
Reverse Protection	Support
Redundancy Protection	Support]

Physical Characteristics

Housing	Metal
Cooling	Natural convection, fanless
Protection Class	IP40
Dimension	88mm×135mm×137mm(W×H×D)
Weight	1.25Kg
Mounting	DIN-Rail or Panel Mounting

Environmental Limits

Operating Temperature	-40°C ~+85°C
Storage Temperature	-40°C ~+85°C
Ambient Relative Humidity	5 - 95% (non-condensing)

Warranty

MTBF	323,350 hrs
Warranty	5 years

Approvals

CE, FCC

Industry Standard

EMI

- ▼ FCC CFR47 Part 15,EN55022/CISPR22,Class A

EMS

- ▼ IEC61000-4-2(ESD) ±8kV(contact),±15kV(air)
- ▼ IEC61000-4-3(RS) 10V/m(80MHz ~ 2GHz)
- ▼ IEC61000-4-4(EFT) Power Port:±4kV
- ▼ IEC61000-4-5(Surge) Power Port: ±2kV/DM, ±4kV/CM
- ▼ IEC61000-4-6(CS) 10V(150kHz ~ 80MHz)

Machinery

- ▼ IEC60068-2-6 (Vibration)
- ▼ IEC60068-2-27 (Shock)
- ▼ IEC60068-2-32 (Free Fall)

» Ordering Information

SICOM3307S-Ports-PS1-PS2

Ports

3G7P 3 × 1000Base-X, 10/100/1000Base-T(X) Combo ports; 7×10/100BASE-T(X) RJ45 PoE ports

PS1-PS2

L10-L10 51-57VDC (802.3at), redundant power inputs
48VDC(45-57VDC) (802.3af), redundant power inputs

» Accessories

Accessory Model

Description

Gigabit SFP Module	Please refer to the Gigabit SFP module ordering table
DT-BGAZ-02	Panel for panel mounting
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port
DT-XL-Mini USB -USB-2m	Mini USB to USB cable for Console management, 2m