

# SICOM3307S

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



### » 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.

### » Key Features

- 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

CE, FCC certificates

## » Product Specifications

### >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 loop detection  
Support CRC protection  
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 Specifications**

**-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: <5 $\mu$ s

### **-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 lock, 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

### **-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 to 85°C ( -40°C to 75°C , 210W PoE power output ; -40°C to 85°C , 120W PoE power output )

Storage Temperature: -40°C to +85°C

Ambient Relative Humidity: 5 - 95% (non-condensing)

### **-Quality Assurance**

MTBF: 323,350 hrs

Warranty: 5 years

### **-Approvals**

CE(EMC), FCC: Models with L10: 48VDC

### **-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:

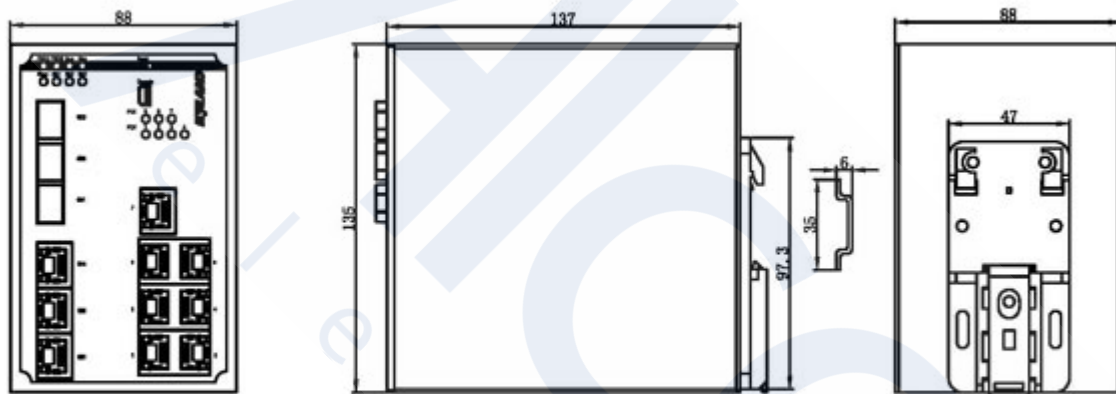
IEC60068-2-6 (Vibration)

IEC60068-2-27 (Shock)

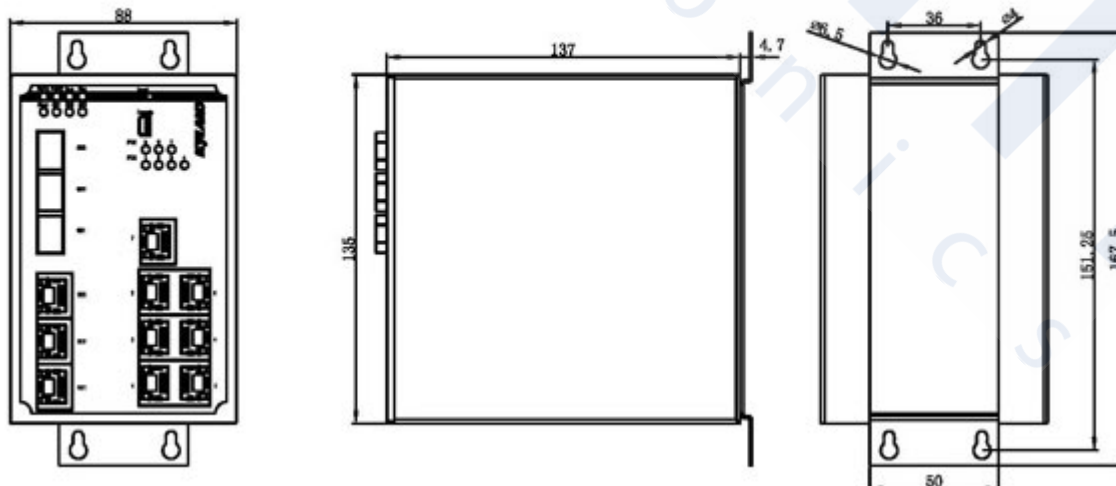
IEC60068-2-32 (Free Fall)

» Mechanical Drawing

DIN Rail Mounting



Panel Mounting



**Ordering Information****SICOM3307S-Ports-PS****Ports**

3G7P

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

**PS**

L10-L10

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

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

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