SICOM3307S

7+3G port Gigabit Managed PoE Industrial Ethernet Switch

- 3 Gigabit Combo ports, 7 PoE Ethernet electrical ports comply with 802.3at
- Each PoE port provides max 30W 48VDC feed power
- Intelligent power consumption detection, PD power supply state detection and PoE scheduling functions
- Support IEC62439-6/DRP, DT-Ring, RSTP and MSTP ring protocols
- Support reset button for fast reboot or loading default settings
- Provides Mini USB Console port, supports setting backup and recovery through USB
- Supports VCT (Cable Fault Test)

Overview

SICOM3307S is Kyland Din Rail Managed PoE industrial Ethernet switch supporting 3 100/1000M SFP or 10/100/1000Base-TX RJ45 combo ports and implementing IEEE802.3at PoE Plus over each of the 7 10/100Base-TX ports. Each of the 10/100Base-TX ports can support max 30 watts feed power. SICOM3307S is equipped with IEC62439-6/DRP ring protocol which enables less than 20ms recovery time. It also supports DT-Ring, RSTP/STP, MSTP and VRRP. Mini USB console port enables configuration easy backup and restore. Exceeding EN50155, EN50121-4 and NEMA TS-2, SICOM3307S Series is specifically designed to operate reliably in a variety of industrial applications such as utility substation, transportation and traffic video surveillance systems.

Features & Benefits

- Redundancy Technology: supports IEC62439-6 (recovery time<20ms), DT-Ring protocol suite (recovery time<50ms) & MSTP
- Multicast Protocol: support IGMP Snooping, GMRP and static multicast
- Network Partition: supports VLAN,GVRP,PVLAN
- Service Qualit: suppors QoS
- Bandwidth Management: supports Ports Trucking,port speed limit,broadcast storm control
- Network Management Monitoring：supports CLI,Telnet,WEB manage-ment, Kyvision centralized management, SNMP v1/v2/v3, RMON, LLDP, SNTP, DHCP CLI,Telnet, WEB management, Kyvision
- Network Security: supports MAC address binding with port, IEEE802.1X,SSH/SSL,TACACS+,ACL,DT-Psec
- Device Management: supports FTP/TFTP upgrade, also supports Syslog upload and download
- Device Maintenance: supports port mirroring, VCT (Cable Fault Test)

- Alarm Output: supports IP/MAC conflicts, power, port and ring alarms
- Special Function: supports Link Check and Loop Status Check
- PoE management: supports PoE port setting , PD detection and PoE scheduling

Technical Specifications

Standard
IEEE 802.3i,IEEE 802.3u,IEEE 802.3ab,IEEE802.3ac,IEEE 802.3ad,IEEE 802.3z,IEEE 802.3x,IEEE 802.1p,IEEE 802.1Q, IEEE 802.1s, IEEE 802.1X,IEEE 802.3at

Protocol
DT-Ring, DT-VLAN, DT-Ring+, MSTP; IGMP snooping, GMRP; VLAN, GVRP, PVLAN; Telnet, HTTP,HTTPS, SNMP v1/v2/v3, RMON, LLDP, SNTP, BootP, DHCP server/relay/client, DHCP Option 82; SSH, SSL,TACACS+,ACL,DT-Psec; Syslog, FTP, TFTP; LACP, QoS; ARP; Modbus TCP, ARP, PoE

Switch Properties
Priority Queues: 4
Number of VLANs: 256
VLAN ID: 1-4094
Number of Multicast Groups: 256
MAC Table: 8K
Packet Buffer: 1Mbit
Packet Forwarding Rate: 5.6Mpps
Switching Delay: <5μs

Interface
Gigabit Ethernet Ports:
1000Base-X , 0/100/1000 Base -T(X) Combo ports
Fast Ethernet Ports: 10/100Base-TX RJ45 ports
Console Port: Mini USB

Alarm Contact:
3-pin 5.08mm-spacing plug-in terminal block, 250VAC/220VDC Max, 2A Max, 60W Max

LED
LEDs on Front Panel:
Running LED: Run
Alarm LED: Alarm
Power LED: PWR1, PWR2
Ring LED: Ring
Interface LED:
Link/ACT, Speed (Electrical Port), Link/ACT (GX1-GX3)
PoE LED: 1-7

Reset Button
Reset: Reboot and restore default configuration

Transmission Distance
Twisted Pair:
100m (Standard CAT5, CAT5e network cable)
Multi Mode Fiber:
850nm,550m(Gigabit)
Single Mode Fiber:
1310nm, 10km/40km (Gigabit)
1550nm, 60km/80km (Gigabit)

Power Requirements
Power Input:
48DC (44-57VDC),
Power Terminal:
5-pin 5.08mm-spacing plug-in terminal block
Power Consumption: <11W(no PD),<250W(Full PD)
Overload Protection: Support
Reverse Connection Protection: Support
Redundancy Protection: Support

Physical Characteristics
Housing: Aluminum cooling suface, fanless
Protection Class: IP40
Dimensions (W×H×D): 88×135×137mm (3.46×5.31×5.39 in.)
Weight:1.25kg (2.76 pound)
Mounting: DIN-Rail or panel mounting

Environmental Limits
Operating Temperature: -40 to 85℃ (-40 to 185°F)
Storage Temperature: -40 to 85℃ (-40 to 185°F)
Ambient Relative Humidity: 5 to 95% (non-condensing)

MTBF
323,350 hrs

Warranty
5 years

Approvals
CE, FCC (pending)

Industrial Standard
EMI:
FCC Part 15(Class A), 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; Data Port: ±2kV
IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV
IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)

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

Industry: IEC61000-6-2
Railway: EN50155, EN50121-4
Traffic Control: NEMA TS-2

⟫ Mechanical Drawing

Din Rail Installation

Panel Mounting Installation
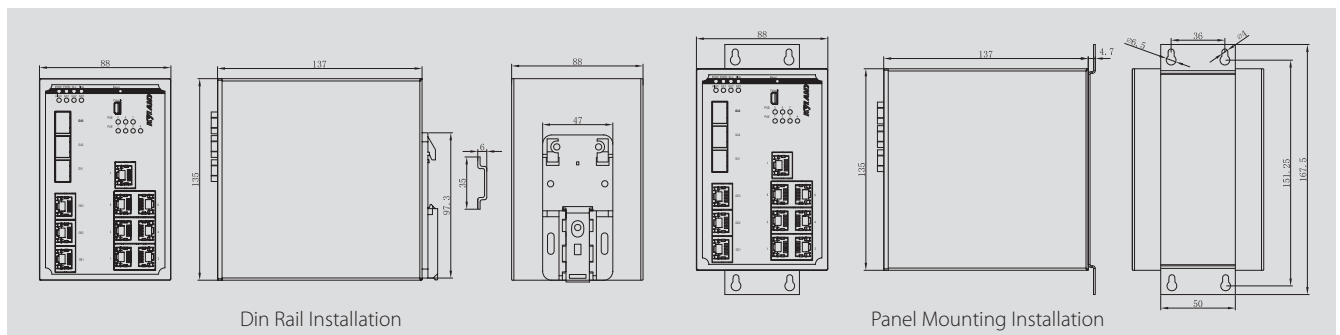
⟫ Ordering Information

SICOM3307S-3GX/GE-7T-7P-48DC	3 100/1000M SFP or 10/100/1000Base-TX RJ45 combo ports, 7 10/100Base-TX RJ45 ports, each of them support IEEE802.2af/at PoE plus with max 30 watts feed power per port, 48VDC(44-57VDC) power supply