SICOM3010G

10G Port Layer 2 Full Gigabit Managed DIN-Rail Switches

- 2 Gigabit Combo ports , 2 Gigabit SFP slots, 6 10/100/1000Base -TX ports
- Supports DT-Ring protocols, DRP and RSTP
- Supports one-key recovery
- Provides Mini USB Console port
- Support cable check
- IP40 protection class
- UL508 (Pending), Class I Div 2 (Pending), CE, FCC certificates

CE FC

⟫ Overview

SICOM3010G is equipped with 10 Gigabit ports, making it ideal for building a Gigabit backbone network which requires a higher bandwidth for transferring large amounts of video, voice, and data across a network quickly. The SICOM3010G series support DRP (recovery time<20ms), DT-Ring (recovery time<50ms), RSTP, VLAN, multicast, QoS, SSH, SSL and many other Layer 2 software features, and support CLI, Telnet, Web management methods, Kyvision centralized management based on SNMPv1/v2c/v3. It is specially designed for harsh environments with -40℃ to 85℃ wide temperature range, EMC level 4, IP40 protection class, strong vibration-resistent mounting clip for DIN-Rail installation and can be deployed in communication demanding applications, such as video and process monitoring, shipbuilding, ITS, and DCS systems.

⟫ 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

Product Specifications

Technical Parameters

Standard
- ▼ IEEE 802.3i (10Base-T)
- ▼ IEEE 802.3u (100Base-T)
- ▼ IEEE 802.3ab(1000Base-T)
- ▼ IEEE 802.3z (1000Base-SX/LX)
- ▼ IEEE802.3x (Flow control)
- ▼ IEEE 802.1p (Class of Service)
- ▼ IEEE 802.1Q (VLAN)
- ▼ IEEE 802.1w (RSTP)
- ▼ IEEE802.1X

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	14.9Mpps
Switching Delay	<5µs

Interface

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

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
- ▼ Interface LED: Link/ACT, Speed (RJ45 port); Link/ACT(Fiber port)

Button

Reset: Reboot and restore default configuration

Power Requirements

Power Input
- ▼ 24-48VDC
- ▼ 12-24VDC

Power Terminal	5-pin 5.08mm-spacing plug-in terminal block
Power Consumption	<18W
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℃ to +85℃
Storage Temperature	-40℃ to +85℃
Ambient Relative Humidity	5 - 95% (non-condensing)

Warranty

Operating Temperature	345,000 hrs
Warranty	5 years

Approvals

UL508 (Pending), Class I Div 2 (Pending), CE, FCC

Industrial Standards

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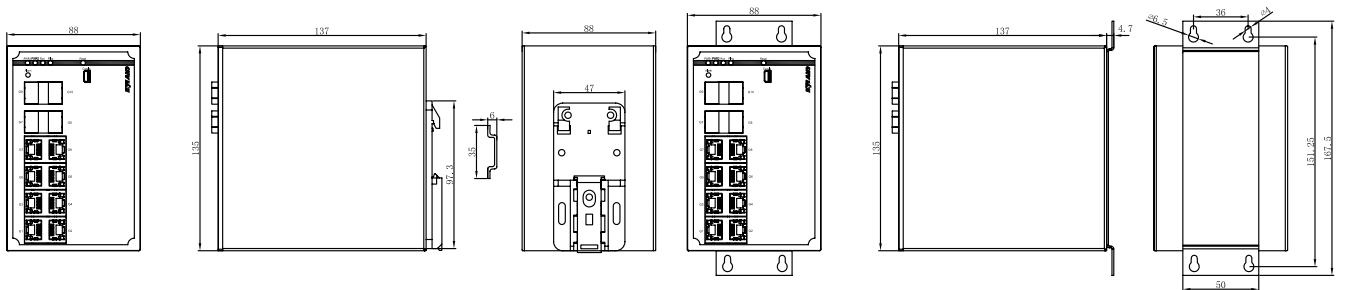- ▼ FCC CFR47 Part 15,EN55022/CISPR22,Class A

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

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

Mechanical Drawing

≫ Ordering Information

	SICOM3010G-Ports-PS1-PS2
Ports	
2G6GE	2×1000Base-X,10/100/1000Base-T(X) Combo ports; 6×10/100/1000Base-T(X) RJ45 ports
2G2GX6GE	2×1000Base-X,10/100/1000Base-T(X) Combo ports; 2×1000Base-X SFP slots; 6×10/100/1000Base-T(X) RJ45 ports
PS1-PS2	
L2-L2	24-48VDC, redundant power inputs
L5-L5	12-24VDC, redundant power inputs

≫ Accessories

Accessory model	Description
Gigabit SFP Module	Please refer to 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