

SICOM3306



6+3G Port Layer 2 Managed DIN-Rail Switch

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



Overview

SICOM3306 is one of Kyland green low power consumption industrial Ethernet switch series. It is equipped with 3 Gigabit SFP ports and 6 10/100Base-TX ports, making it ideal for building a Gigabit optic ring and leaving a spare Gigabit port for uplink use. The SICOM3306 series, certified by CE, FCC, UL508 and CID2, 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 especially designed for harsh environments with -40°C to 85°C wide temperature range, EMC level 4, IP40 protection class, strong vibration-resistant mounting clip for DIN-Rail installation, and can be deployed in wind power, distribution network automation, transportation, oil & gas and many other industrial applications.

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 Parameter

Standard

- ▼ IEEE 802.3i(10Base-T)
- ▼ IEEE 802.3u(100Base-TX and 100Base-FX)
- ▼ 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

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	5.3Mpps
Switching Delay	<10μs

Interface

Gigabit Port	1000Base-X, SFP slot
Fast Ethernet Port	
▼ 100Base-FX, SM/MM, SC/ST/FC connector	
▼ 10/100Base-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
- ▼ Ring LED: Ring
- ▼ 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	<9.1W
Overload Protection	Support
Reverse Protection	Support
Redundancy Protection	Support

Physical Characteristics

Housing	Metal
Cooling	Natural convection, fanless
Protection Class	IP40
Dimension	
▼ 53.6mm×135mm×106.5mm(W×H×D)	
Weight	0.76Kg
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	410,000 hrs
Warranty	5 years

Approvals

UL508*, Class I Div 2*,CE, FCC

*: UL certified max operating temperature is 75°C .

Industrial Standard

EMI

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

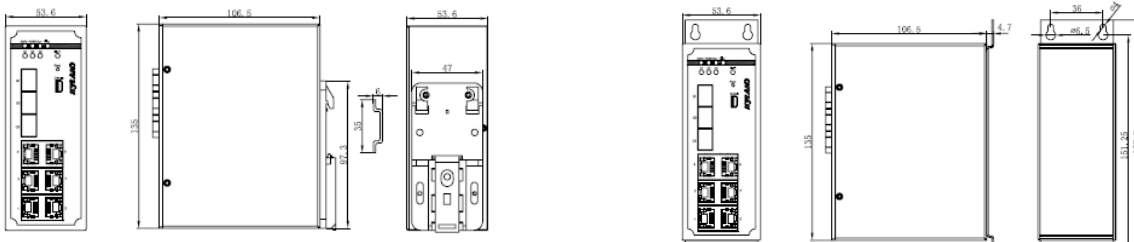
EMS

- ▼ IEC61000-4-2(ESD) ±8kV(contact),±15kV(air)
- ▼ IEC61000-4-3(RS) 10V/m(80MHz ~ 2GHz)
- ▼ IEC61000-4-4(EFT) Power Port:±4kV;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

SICOM3306-Ports-Connector-PS

Ports	
3GX6T	3×1000Base-X, SFP slots;6×10/100Base-T(X) RJ45 ports
2GX6T	2×1000Base-X, SFP slots;6×10/100Base-T(X) RJ45 ports
1GX8T	1×1000Base-X, SFP slot;8×10/100Base-T(X) RJ45 ports
1GX2S6T	1×1000Base-X, SFP slots; 2×100Base-FX, single mode fiber ports; 6×10/100Base-T(X) RJ45 ports
1GX2M6T	1×1000Base-X, SFP slot; 2×100Base-FX, multi mode fiber ports; 6×10/100Base-T(X) RJ45 ports
Connector	
100M fiber port specifications	
SC05	SC connector, multi-mode, 1310nm, 5km
ST05	ST connector, multi-mode, 1310nm, 5km
FC05	FC connector, multi-mode, 1310nm, 5km
SC40	SC connector, single-mode, 1310nm, 40km
ST40	ST connector, single-mode, 1310nm, 40km
FC40	FC connector, single-mode, 1310nm, 40km
SC60	SC connector, single-mode, 1310nm, 60km
SC80	SC connector, single-mode, 1550nm, 80km
None	No 100M fiber port
PS	
L2-L2	24-48VDC, redundant power inputs
L5-L5	12-24VDC, 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