# SICOM3306

## 6+3G Port Layer 2 Managed DIN-Rail Switches

- 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

CE  FC  c (UL) US LISTED

## >> 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-resistent 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 Parameters

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

## Warranty
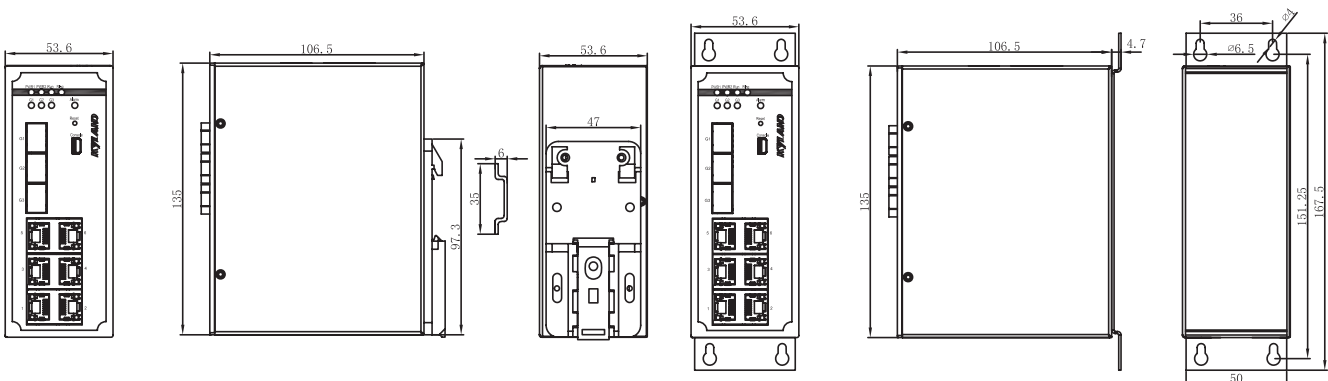
| | |
|---|---|
| MTBF | 410,000 hrs |
| Warranty | 5 years |

## Approvals

UL508*, Class I Div 2*,CE, FCC
*: UL certified  max operating temperature is 75°C.

## Industrial 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

| SICOM3306-Ports-Connector-PS1-PS2 | |
|---|---|
| **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 |
| **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 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 |