

SICOM3306

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



» 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.

» Key Features

- 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

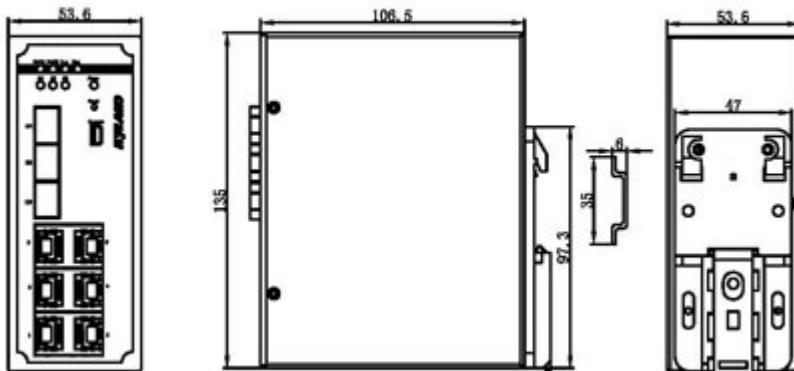
» Product Specifications

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

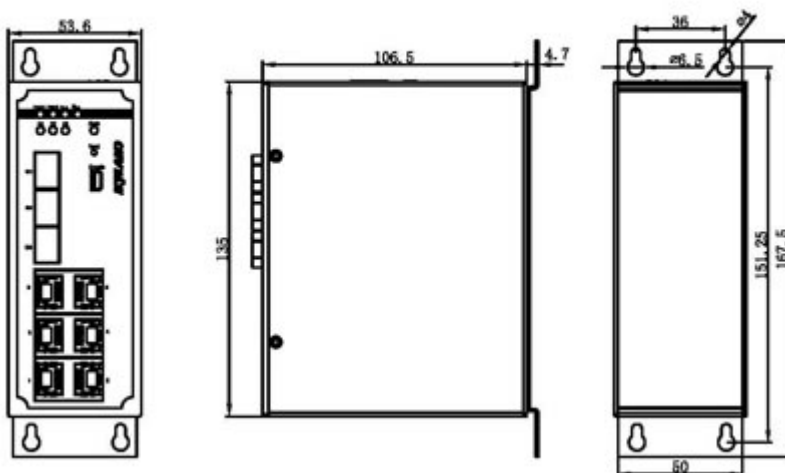
Technical Specifications	Standard	IEEE 802.3i(10Base-T) IEEE 802.3u(100Base-TX and 100Base-FX) IEEE 802.3z(1000Base-X) IEEE 802.3x(Flow control) IEEE 802.1p(Class of Service) IEEE 802.1Q(VLAN) IEEE 802.1w(RSTP) IEEE802.1X
	Switch Properties	Priority Queues: 4 Number of VLANs: 256 VLAN ID: 1-4093 Number of Multicast Groups: 256 MAC Table: 8K Packet Buffer: 1Mbit Packet Forwarding Rate: 5.3Mpps Switching Delay:<5μs
	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(18-72VDC) 12-24VDC(9-36VDC) 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)
	Quality Assurance	MTBF: 410,000 hrs Warranty: 5 years
	Approvals	UL508, Class I Div 2, CE(EMC), FCC: Models with L2:24-48VDC UL508, Class I Div 2: Models with L5:12-24VDC
	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;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

DIN Rail Mounting



Panel Mounting



» Ordering Information

SICOM3306-Ports-Connector-PS1-PS2

Ports

3GX6T	3x1000Base-X, SFP slots; 6x10/100Base-T(X) RJ45 ports
2GX6T	2x1000Base-X, SFP slots; 6x10/100Base-T(X) RJ45 ports
1GX8T	1x1000Base-X, SFP slot; 8x10/100Base-T(X) RJ45 ports
1GX2S6T	1x1000Base-X, SFP slots; 2x100Base-FX, single mode fiber ports, 6x10/100Base-T(X) RJ45 ports
1GX2M6T	1x1000Base-X, SFP slots; 2x100Base-FX, multi mode fiber ports, 6x10/100Base-T(X) RJ45 ports

Connector

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 (18-72VDC), redundant power inputs
L5-L5	12-24VDC (9-36VDC), 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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