

SICOM3016



20 Port Layer 2 Managed DIN-Rail Switches

- 4 100Base-FX ports, 16 10/100Base-T(X) ports
- Supports DT-Ring and RSTP protocols
- Provide 24V, 110V, 220V optional power input model
- CE, FCC certificates



Overview

SICOM3016 is a high-performance network-managed industrial Ethernet switch specially designed by KYLAND for industrial applications. It's DIN-Rail installation and supports max 4 100Base-FX and 16 10/100Base-T(X) ports. Its solid metal case, single-rib-shape fanless design for high-efficient heat dissipation, overcurrent, overvoltage and EMC protection at power input side, and excellent EMC protection of RJ45 port allow SICOM3016 to reliably work in harsh and dangerous industrial environments. The SICOM3016 series support DT-Ring (recovery time<50ms), RSTP, VLAN, multicast, QoS, and many other Layer 2 software features, and support CLI, Telnet, Web management methods, Kyvision centralized management based on SNMPv1/v2c.

Software Functions

Switching

Support VLAN, PVLAN
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 RSTP

Multicast

Support IGMP Snooping
Support static multicast

Service Quality

Support SP, WRR queue scheduling

Management and Maintenance

Support Console, Telnet, WEB management methods
Support SNMPv1/v2c, Kyvision centralized management
Support software upgrade by FTP
Support IP/MAC conflict, power, port and ring alarm
Support RMON
Support port mirroring
Support LLDP
Support Link-check

Clock Management

Support SNTP Server/Client

Technical Specification

Technical Parameters

Standard

- ▼ IEEE 802.3i(10Base-T)
- ▼ IEEE 802.3u(100Base-TX and 100Base-FX)
- ▼ IEEE 802.3x(Flow control)
- ▼ IEEE 802.1p(Class of Service)
- ▼ IEEE 802.1Q(VLAN)
- ▼ IEEE 802.1w(RSTP)

Switch Properties

Priority Queues	4
Number of VLANs	256
VLAN ID	1-4093
Number of Multicast Groups	256
MAC Table	8K
Packet Buffer	2Mbit
Packet Forwarding Rate	3.0Mpps
Switching Delay	<10μs

Interface

- Fast Ethernet Port
 - ▼ 100Base-FX, 5M/MM, SC/ST/FC connector
 - ▼ 10/100Base-T(X), RJ45 port
- Console Port RS232,RJ45 connector
- Alarm Contact 2-pin 3.81mm-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
 - ▼ 24VDC
 - ▼ 100-240VAC, 50/60Hz; 220VDC
 - ▼ 110VDC
- Power Terminal
 - ▼ 3-pin 3.81mm-spacing plug-in terminal block (24VDC)
 - ▼ 3-pin 7.62mm-spacing plug-in terminal block (110VDC, 220VAC/DC)
- Power Consumption <9.7W
- Overload Protection Support
- ReverseProtection Support
- Redundancy Protection Support (24VDC)

Physical Characteristics

- Housing Metal
- Cooling Natural convection, fanless
- Protection Class IP40
- Dimension 75mm×165mm×123mm(W×H×D)
- Weight 1.2Kg
- 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 333,775 hrs
- Warranty 5 years

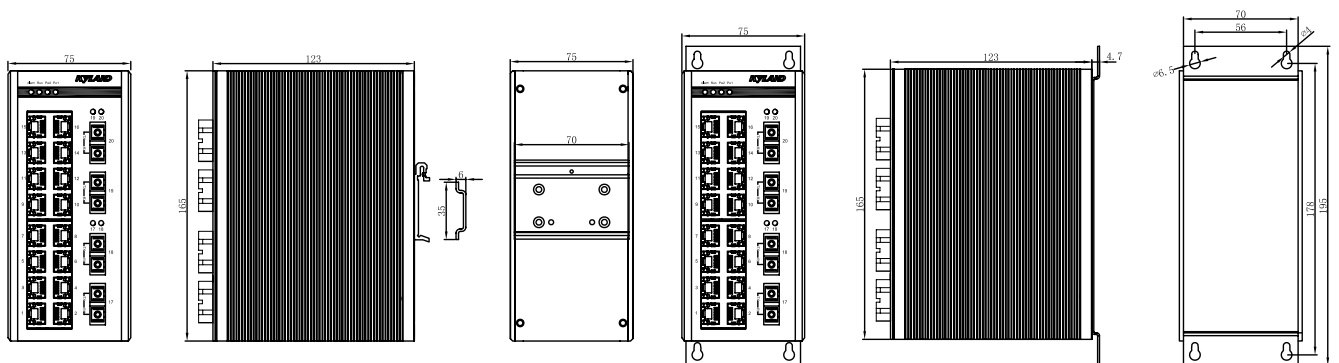
Approvals

- CE, FCC

Industrial Standards

- EMI
 - ▼ FCC CFR47 Part 15,EN55022/CISPR22,Class A
- EMS
 - ▼ IEC61000-4-2(ESD) ±6kV(contact),±8kV(air)
 - ▼ IEC61000-4-3(RS) 10V/m(80MHz-2GHz)
 - ▼ IEC61000-4-4(EFT) Power Port:±2kV;Data Port:±1kV
 - ▼ IEC61000-4-5(Surge) Power Port: ±1kV/DM, ±2kV/CM; Data Port: ±1kV
 - ▼ 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

SICOM3016-Ports-Connector-PS1-PS2

SICOM3016-Ports-Connector-PS1

Ports

4S16T	4×100Base-FX, single mode fiber ports;16×10/100Base-T(X) RJ45 ports
4M16T	4×100Base-FX, multi mode fiber ports;16×10/100Base-T(X) RJ45 ports
2S16T	2×100Base-FX, single mode fiber ports;16×10/100Base-T(X) RJ45 ports
2M16T	2×100Base-FX, multi mode fiber ports;16×10/100Base-T(X) RJ45 ports
2S8T	2×100Base-FX, single mode fiber ports;8×10/100Base-T(X) RJ45 ports (H1 model only)
2M8T	2×100Base-FX, multi mode fiber ports;8×10/100Base-T(X) RJ45 ports (H1 model only)
1S16T	1×100Base-FX, single mode fiber port;16×10/100Base-T(X) RJ45 ports
1M16T	1×100Base-FX, multi mode fiber port;16×10/100Base-T(X) RJ45 ports
16T	16×10/100Base-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

L3-L3	24VDC, redundant power inputs
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PS1

H1	100-240VAC, 50/60Hz; 220VDC, single power input
H2	110VDC, single power input

» Accessories

Accessory model

Description

DT-BGAZ-05	Panel for panel mounting
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port