

# SICOM8000

## 24+4G Port Layer 2 Managed EN50155 Industry Ethernet Switch



- 4 Gigabit ports with YMF15-LC connector, 24 10/100Base-TX ports with M12 connector
- Supports DT-Ring protocols and RSTP
- EMC performance reaches industrial level 4
- IP67 protection class

### Overview

SICOM8000 IP67 managed industrial Ethernet switch supports 24 10/100Base-T(X) ports with M12 connectors and 4 1000Base-LX/LH ports with YMF15-LC connectors. As a member of Kyland SICOM series, it supports DT-Ring protocol and Kyvision management software. It is specially designed for the harshest environments which require high protection class.

### Software Functions

#### Switching

Supports VLAN,PVLAN  
Supports port trunking  
Supports speed limit, broadcast storm control

#### Redundancy

Supports DT-ring, DT-ring+, DT-VLAN with the recovery time<50ms  
Supports RSTP

#### Multicast

Supports IGMP-snooping  
Supports GMRP  
Supports static multicast

#### Network Security

Supports HTTPs/SSL  
Supports SSH  
Supports MAC address binding with switch ports  
Service Quality  
Supports ACL  
Supports Qos

### Management and Maintenance

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

### IP Management

Supports DHCP server

### Clock Management

Supports SNTP

### Technical Parameter

Standard IEEE 802.3i(10Base-T)  
 ▼ IEEE 802.3u(100Base-TX)  
 ▼ IEEE 802.3z(1000Base-X)  
 ▼ 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	4Mbit
Packet Forwarding Rate	9.5Mpps

Switching Delay &lt;10us

Weight <2.5kg  
Mounting panel mounting

## Interface

Gigabit Port	1000Base-LX/LH, YMF15-LC connector
Fast Ethernet Port	10/100Base-T(X), M12 connector
Console Port	RS232, M12 connector
Alarm Contact	M12 connector, 250VAC/350VDC Max, 120mA Max

## LED

- LEDs on Front Panel
- ▼ Running LED: Run
  - ▼ Power LED: PWR
  - ▼ Interface LED: Link/ACT, Speed(Fast Ethernet interface)
  - ▼ Link/ACT(Optical interface)

## Power Requirements

Power Input	
▼ 24VDC (18-36VDC)	
▼ 48VDC (36-72VDC)	
Power Terminal	M16
Power Consumption	< 22W
Overload Protection	Support
Reverse Connection Protection	Support

## Physical Characteristics

Housing	Metal
cooling	Nature cooling, fanless
Protection Class	IP67
Dimensions	189mm×76mm×340mm(W×H×D)

## Environmental Limits

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

## Warranty

MTBF	385,000 hrs
Warranty Period	5 years

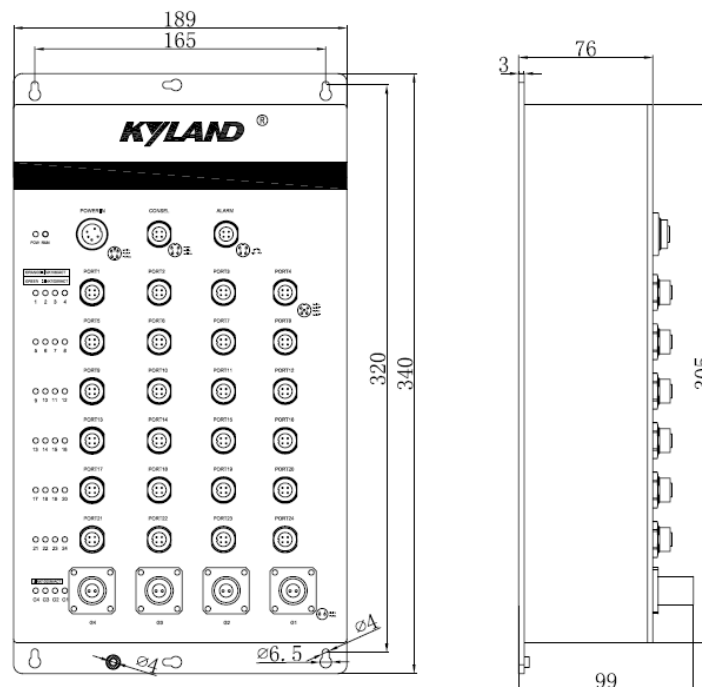
## Approvals

For the latest information, please visit the website of Kyland

## 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) 3V(10kHz~150kHz); 10V(150kHz~80MHz)
  - ▼ IEC61000-4-16(Common mode conduction) 30V(cont.), 300V(1s)
- Machinery
- ▼ IEC61373 (Vibration and Shock)
  - ▼ IEC60068-2-32 (Free Fall)

## Mechanical Drawing



## Ordering Information

### SICOM8000-Ports-PS

Ports	
4GX24T	4 X 1000Base-LX/LH ports with YMF15-LC connectors; 24 X 10/100BASE-T(X) M12 port
24T	24 X 10/100BASE-T(X) M12 port
PS	
L1	48VDC(36-72VDC)
L3	24VDC(18-36VDC)

## Accessories

Accessory Model	Description	Note
M12-D-4P-M	Male cable connector with M12, D-Coding, 4 Pin	10/100Base-TX interface Connector
M16-A-5P-F	Female cable connector with M16, A-Coding, 5 Pin	Power interface Connector
YMF15F02C1D40N-S	YMF Connecting flange	YMF Connecting flange
YMF15T02B1P40N-2FC-C5*2-2S3/0.3	Optical fiber connector with aviation plug of YMF Optical interface, single mode, 3 meters long	Optical fiber connector with aviation plug of YMF Optical interface
YMF15T02B1P40N-YMF15T02B1P40N-C5*2-S5	Optical fiber connector with aviation plug of YMF Optical interface, single mode, 5 meters long	Optical fiber connector with aviation plug of YMF Optical interface
YMF15T02B1P40N-DLC-C5*2-2S5/0.15	Optical fiber connector with aviation plug of YMF Optical interface, single mode, 5 meters long	Optical fiber connector with aviation plug of YMF Optical interface
YMF15T02B1P11N-YMF15T02B1P11N-C5*2-S3	Optical fiber connector with aviation plug of YMF Optical interface, single mode, 3 meters long	Optical fiber connector with aviation plug of YMF Optical interface
YMF15T02B1P11N-DLC-C5*2-2S3/0.15	Optical fiber connector with aviation plug of YMF Optical interface, single mode, 3 meters long	Optical fiber connector with aviation plug of YMF Optical interface
YMF15F02A1D40N-2LC-S2-L0.5-2xLC	Optical fiber connector with aviation plug of YMF Optical interface, single mode, 0.5meters long	Optical fiber connector with aviation plug of YMF Optical interface
YMF15T02B1P40N-SC-C5*2-2S5/0.15	Optical fiber connector with aviation plug of YMF Optical interface, single mode, 5 meters long	Optical fiber connector with aviation plug of YMF Optical interface
YMF15T02B1P40N-YMF15T02B1P40N-C5*2-S5	Optical fiber connector with aviation plug of YMF Optical interface, single mode, 5 meters long	Optical fiber connector with aviation plug of YMF Optical interface
YMF15T02B1P40N-C5*2-S2	Optical fiber of YMF Optical interface, single mode, 2 meters long	Optical fiber of YMF Optical interface
DT-XL-PWR-M16-xxx-3m	3m connecting line with M16 connector for power ports (from M16 to the exposed end)	Power cable with M16 connector
DT-XL-TX-M12-RJ45-1m	1m connecting line for 100M FE ports (from M12 to RJ45)	connecting line for 100M FE ports