

SICOM8000

24+4G Port IP67 Managed Industrial Ethernet Switch

CE,FCC,ROHS
Chinese Military Certification**Overview**

SICOM8000 is a IP67 managed industrial Ethernet switch support 24 10/100Base-TX ports with M12 connectors and 4 1000Base-LX/LC ports with M15-LC connectors . As one member of Kyland SICOM series, it supports DT-Ring protocol and Kyvision management software. It is specially designed for the harshest environments which needs high protection class and it passed Chinese military certification.

Features

1. 24 10/100Base-TX ports with M12 connectors.
2. 4 1000Base-LX/LC ports with M15-LC connectors can be connected into 2 gigabit rings topology.
3. Support DT-Ring suite (recovery time<50ms)
4. Support flexible network topologies such as Ring, Chain, Star and Tangent Ring.
5. Advanced ring topology protocol avoiding broadcast storm.
6. Support IGMP Snooping, port mirroring, QoS, VLAN, ACL.
7. Support multiple management functions including CLI, TELNET, WEB, SNMP V1/V2 and OPC etc.
8. Support centralized management software, network topology generated automaticly.
9. Improve network monitoring ability through RMON(group 1,2,3,and 9)
10. EMC industrial level 4, specially designed for harsh electromagnetic interference environment.
11. Abundant power supply options, military redundant power supply with no switching break.
12. Uniform network management software of SICOM series: Kyvision3.0
13. Up to Chinese national military standard GJB150 and GJB151A-97
14. Operating temperature: -40 to 85°C(-40 to 185°F)
15. Ribbed Aluminium heat dissipation (patent), fanless design
16. Wall mounting
17. IP67 protection class

Technical Specifications**Standard**

IEEE802.3z
IEEE802.3u
IEEE802.3
IEEE802.3x
IEEE802.1d
IEEE802.1w
IEEE802.1p
IEEE 802.1q
Store and forward switching mode

Network

Ring, chain star and tangent ring network topology.

Backplane switching capacity

12.8G

MAC address table

8K

Interface

1000M fiber ports: 4x1000Base-LX, M15-LC connector
100M TP ports: 24x10/100Base-TX, M12 connector
CONSOLE interface: RS232, M12

Power Requirements

Power input: 24VDC(18-36VDC), 48VDC(36-72VDC), 110VDC, 220VDC, 220VAC
Input interface: M12
Power consumption: <20W

Physical Characteristics

Casing: IP67 protection
Fanless design
Dimensions(WxHxD): 189x76x340 mm (7.44x2.99x13.39 in)
Weight: 4000g (8.818 pound)
Installation: Wall mounting

Environmental Limits

Operating Temperature: -40 to 85°C(-40 to 185°F)
Storage Temperature: -40 to 85°C(-40 to 185°F)
Ambient Relative Humidity: 0 to 95% (non-condensing)

Approvals

IEC61000-4-2(ESD): ±8KV contact discharge, ±15KV air discharge
IEC61000-4-3(RS): 10V/M (80-1000MHz)
IEC61000-4-4(EFT): ±4KV power lead, ±2KV data lead
IEC61000-4-5(Surge): power lead ±4KV CM/ ±2KV DM, data lead ±2KV
IEC61000-4-6(CS): 3V(10KHZ-150KHZ), 10V(150KHZ-80MHz)
IEC61000-4-8(Power frequency magnetic field): 100A/m cont. 1000A/m, 1s to 3s
IEC61000-4-12/18(Damped oscillatory wave): 2.5KV CM, 1KV DM
IEC61000-4-10(Damped oscillatory): 30A/m
IEC61000-4-16(Common mode conduct): 30V cont. 300V, 1s
FCC CFR47 Part 15/EN55022: Class A&B

Chinese Military Standard GJB151A-97, GJB150 parameters
CE101: 25Hz-10KHz power lead conducted emission
CE102: 10KHz-10MHz power lead conducted emission
CS101: 25Hz-50KHz power lead conducted susceptibility

- CS114: 10KHz-400MHz bulk cable injection conducted susceptibility
- CS116: 10KHz-100MHz cable and power cable damped sine transient conduction susceptibility
- RE101: 25KHz-100kHz magnetic field radiation emission
- RE102: 10kHz-18GHz electric field radiation emission
- RS101: 25Hz-100kHz magnetic field radiation susceptibility
- RS103: 10kHz-40GHz electric field radiation susceptibility
- GJB150-11-86: Anti salt fog
- GJB150-6-86: Temperature
- GJB150-16-86: Vibration

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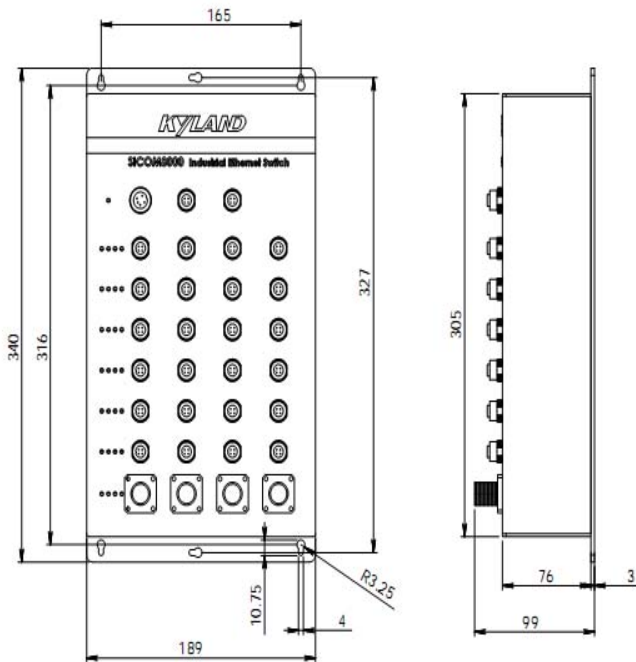
MTBF

35 years

Warranty

5 Years

Mechanical Drawing



Ordering Information

Model	Description	Power Supply
KSICOM8000-24TX-M12	24 10/100Base-TX with M12 connectors	24VDC,48VDC 110VDC,220VAC/DC
SICOM8000-4G-24TX-M12	24 10/100Base-TX with M12 connectors 4 1000Base-LX/LC with M15-LC connectors	