

SICOM1024

24 Port Entry-level Managed Industrial Ethernet Switch



Chinese State Grid Certification

Overview

SICOM1024 is an entry-level managed industrial Ethernet switch specially designed by KYLAND for industrial applications. It supports up to 24 10/100Base-TX RJ45 ports plus 2 100Base-FX fiber ports. Its high-performance switch engine, solid and closed case design, high-efficiency single-rib shape case heat dispersion surface without fans, overcurrent, overvoltage and EMC protection and excellent EMC protection of RJ45 port make it applicable in harsh and dangerous industrial environments.

Features

1. Max 2 100Base-FX fiber ports plus 24 10/100Base-TX RJ45 ports.
2. Managed via web browser or CLI.
3. Flexible network topologies include tree, star and chain.
4. Support QoS, VLAN/PVLAN and port parameters configurations.
5. The bandwidth management limits port bandwidth in a reasonable range.
6. Alarm realy output for power failure.
7. EMC industrial level 4, specially designed for harsh electromagnetic interference environment.
8. Working temperature: -40 to 85°C(-40 to 185°F)
9. Ribbed Aluminum housing for heat dissipation, fanless design
10. Rack-mounting (19' 1U) installation.
11. IP40 protection class.

Technical Specifications**Standard**

IEEE802.3
IEEE 802.3u
IEEE 802.3x
IEEE802.1p
IEEE802.1q
Store and forward switching mode

Network

Tree, star and chain network topology.

Interface

100M fiber port: max 2 × 100Base-FX (FC/SC/ST connector)
100M RJ45 port: max 24 × 10/100Base-TX
CONSOLE interface: RS232, RJ45

Length of Cable

Twisted pair: 0-100m(CAT5)
Multimode fiber: 1310nm, 0-5km(100M), 0-2km(1000M)
Single mode fiber: 1310nm, 0-40km
1550nm, 0-80km

Performance

MAC Address Table Size: 8K
Backplane switching capacity: 8.8G

Power Requirements

Power input: 24VDC (18-36VDC), 48VDC(36-72VDC),
220VAC/DC(100-240VAC/140-336VDC), Single power supply
Input interface: 9.5mm phoenix contact
Power consumption: <15W

Physical Characteristics

Casing: IP40 protection
Ribbed Aluminum housing fanless design
Dimensions(WxHxD): 482.6x44x185mm
Weight: 2kgs
Installation: 19 inch 1U rack 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): power line±4KV, data line±2KV
IEC61000-4-5(Surge): power line ±4KV CM/±2KV DM, data line±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
IEC61000-6-2(Industrial Standards), IEC61850-3(Substations),
IEEE1613(Electric Power Substations), EN50121-4(Railway Applications)

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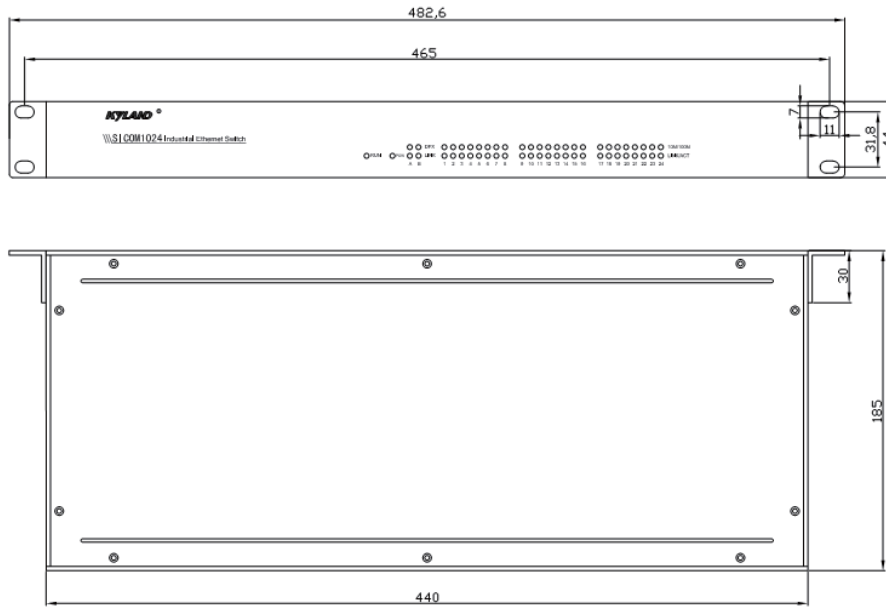
MTBF

35 years

Warranty

5 Years

Mechanical Drawing



Ordering Information

Model	Description
SICOM1024-2S-24TX	2x100Base-FX,single mode(FC/SC/ST); 24x10/100Base-TX,RJ45
SICOM1024-2M-24TX	2x100Base-FX,multimode(FC/SC/ST); 24x10/100Base-TX,RJ45
SICOM1024-24TX	24x10/100Base-TX, RJ45

Power Supply: 24VDC, 48VDC, 220VAC/DC, Single power supply

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