

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-T(X) and 2 100Base-FX ports. Its high-performance switch engine, solid and closed case, high-efficiency single-rib-shape case for heat dissipation without using fans, overcurrent, overvoltage and EMC protection at power input side and excellent EMC protection of RJ45 port make SICOM1024 applicable in harsh and dangerous industrial environments.

Features

1. Up to 2 100Base-FX and 24 10/100Base-T(X) ports
2. Flexible network topologies: tree, star and chain
3. Supports QoS, VLAN/PVLAN and port working mode configuration
4. Managed via CLI and web browser
5. Bandwidth configuration controls port bandwidth properly
6. Relay alarm output for the failure of power
7. EMC industrial level 4, specially designed for harsh electromagnetic interference environment
8. Operating temperature: -40 to 85°C (-40 to 185°F)
9. Ribbed aluminum case 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 Ports: Max 2 100Base-FX ports, FC/SC/ST
10/100M Copper Ports: Max 24 10/100Base-T(X) ports, RJ45
CONSOLE Interface: RS232, RJ45

Cable

Twisted pair: 0-100m (Standard CAT5, CAT5e network cable)
Multi Mode Fiber: 1310nm, 0-5km (100Mbps)
Single Mode Fiber: 1310nm, 0-40k; 1550nm, 0-80km

Performance

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

Power Requirements

Power input: 24VDC (18-36VDC), 48VDC (36-72VDC),
110VAC/220VAC/220VDC (100-240VAC/140-336VDC), single
power supply
Power terminal: 3-Pin 9.5mm-spacing plug-in terminal block,
single-phase 3-Pin AC power socket
Power consumption: <15W

Physical Characteristics

Casing: Ribbed aluminum case (fanless)
Protection class: IP40
Dimensions (WxHxD): 482.6x44x185mm (19x1.73x7.28 in)
Weight: 2kg
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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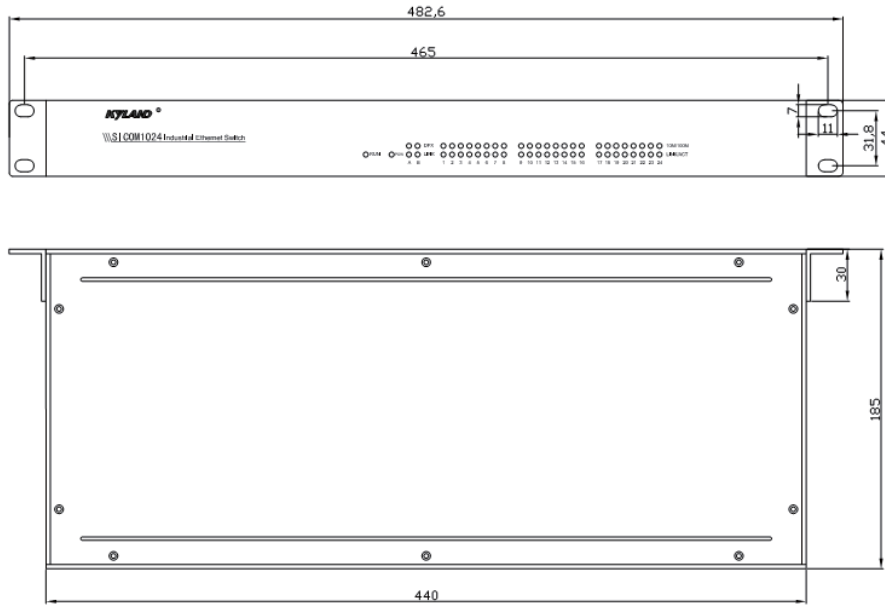
MTBF

35 years

Warranty

5 Years

Mechanical Drawing



Ordering Information

Model	Description
SICOM1024-2S-24T	2 x 100Base-FX, SM/MM, FC/SC/ST; 24 x 10/100Base-T(X), RJ45
SICOM1024-24TX	24 x 10/100Base-T(X), RJ45

Power Supply: 24VDC, 48VDC, 110VAC/220VAC/220VDC, single power supply

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