

SICOM3016J-CT39

16+2G Port Robust Managed Industrial Ethernet Switch

CE, FCC, UL, RoHS
Chinese Military Certification**Overview**

The SICOM3016J-CT39 robust managed industrial Ethernet switch which is specially designed for military usage has 16 10/100Base-TX and 2 10/100/1000Base-TX ports with CT39 connectors. It meets Chinese military standards GJB150 and GJB151A-97, support dual redundant power supply and Kyvision management software. Its protection class is IP43 and operation temperature is -40 to 85°C.

Features

1. 16 x 10/100Base-TX with CT39 connectors.
2. 2 x 10/100/1000Base-TX with CT39 connectors.
3. Support DT-Ring protocol suite (recovery time<50ms) and RSTP/STP(IEEE802.1w/d)
4. Flexible network topology supports ring, link, star and tangent ring topologies.
5. Advanced ring topology protocol avoiding broadcast storm.
6. Support IGMP Snooping, TRUNK, port mirroring, QoS, VLAN and ACL
7. Support multiple management functions including CLI, TELNET, WEB, SNMP V1/V2 and OPC etc.
8. Support centralized management software, network topology generated automatically.
9. Safe MAC and port binding function, support static FDB
10. Bind width setting function enables port band width limitation.
11. Improve network monitoring ability through RMON(group 1,2,3,and 9)
12. Broadcast storm control
13. EMC industrial level 4, specially designed for harsh electromagnetic interference environment.
14. Abundant power supply options, dual redundant power supply with no switching break
15. Unified management software for SICOM series: Kyvision3.0.
16. Meets the requirements of Chinese national military standard GJB150 and GJB151A-97
17. Working temperature: -40 to 85°C(-40 to 185°F)
18. Ribbed Aluminum housing for heat dissipation, fanless design
19. 3U Desktop Installation
20. IP43 protection class

Technical Specifications**Standard**

IEEE 802.3u
IEEE 802.3
IEEE 802.3x
IEEE 802.3z
IEEE 802.3ab
IEEE 802.1d
IEEE 802.1w
IEEE 802.1p
IEEE 802.1q
Store and forward switching mode

Network

Ring, chain, star and tangent ring network topology.

Performance

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

Interface

Up to 2 10/100/1000Base-TX ports with CT39 connector
Up to 16 10/100Base-TX ports with CT39 connector

Cable

Twisted Pair: 100m (Standard CAT5 and CAT5e network cable)

Power Requirements

Power input: 24VDC (18-36VDC), 48VDC(36-72VDC)
Input terminals: M12
Power consumption: <20W

Physical Characteristics

Casing: IP43 protection class
Fanless design
Dimensions(WxHxD): 400x132.5x240 mm (15.75x5.22x9.45 in)
Weight: 6000g (13.228 pound)
Installation: 3U Desktop installation

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: 25Hz-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

CE,FCC,RoHS, Chinese Military Certification

MTBF

35 years

Warranty

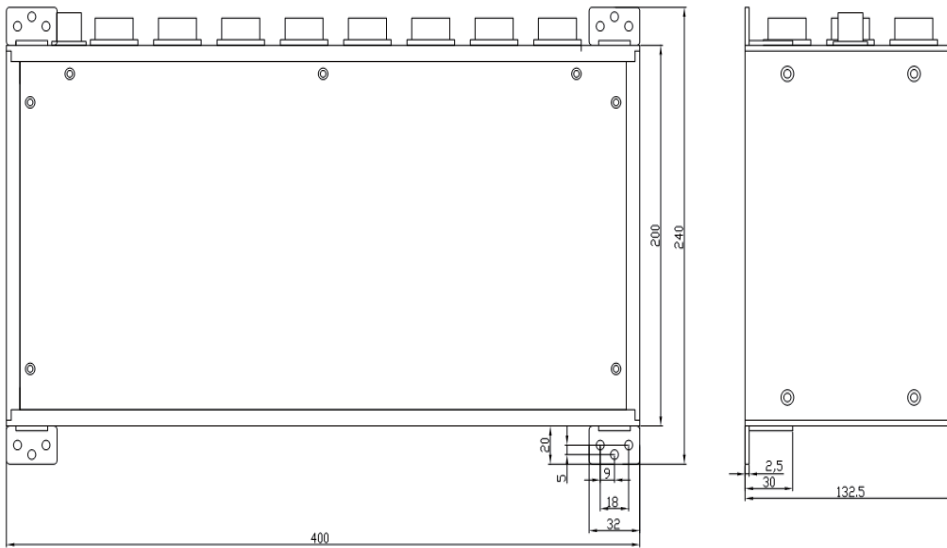
5 Years

Ordering Information

Model	Description
SICOM3016J-2GT-16TX	16 x 10/100Base-TX and 2 x 10/100/1000Base-Tx with CT39 connectors

Power Supply: 24VDC, 48VDC

Mechanical Drawing



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