

SICOM3016J-CT39

16+2G Port Robust Managed Industrial Ethernet Switch

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

The SICOM3016J-CT39 robust managed industrial Ethernet switch which is specially designed for military usage has 16 10/100Base-T(X) and 2 10/100/1000Base-T(X) ports with CT39 connectors. It meets Chinese military standards GJB150 and GJB151A-97 and Kyvision management software. Its protection class is IP43 and operating temperature is -40 to 85°C.

Features

1. 16 10/100Base-T(X) ports with CT39 connectors
2. 2 10/100/1000Base-T(X) ports with CT39 connectors
3. Supports DT-Ring protocols (recovery time<50ms)
4. Flexible network topologies: ring, chain, star and tangent ring topologies
5. Advanced ring topology protocol avoiding broadcast storm
6. Supports IGMP Snooping, port trunking, port mirroring, QoS, VLAN and link aggregation
7. Supports multiple management functions including CLI, TELNET, WEB, SNMP V1/V2 and OPC
8. Supports network topology auto-generation and centralized network management
9. Improves 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
12. Unified management software for SICOM series: Kyvision 3.0.
13. Conforms with Chinese national military standards GJB150 and GJB151A-97
14. Operating temperature: -40 to 85°C (-40 to 185°F)
15. Ribbed aluminum case for heat dissipation, fanless design
16. 3U rack mounting
17. 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

Gigabit Copper Ports: 2 10/100/1000Base-T(X) ports with CT39 connectors
10/100M Copper Ports: 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), single power supply
Input terminals: M12
Power consumption: <20W

Physical Characteristics

Casing: Ribbed aluminum case (fanless)
Protection class: IP43
Dimensions (WxHxD): 400x132.5x240 mm (15.75x5.22x9.45 in)
Weight: 3kg (13.228 pound)
Installation: 3U 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): ±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
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
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

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MTBF

35 years

Warranty

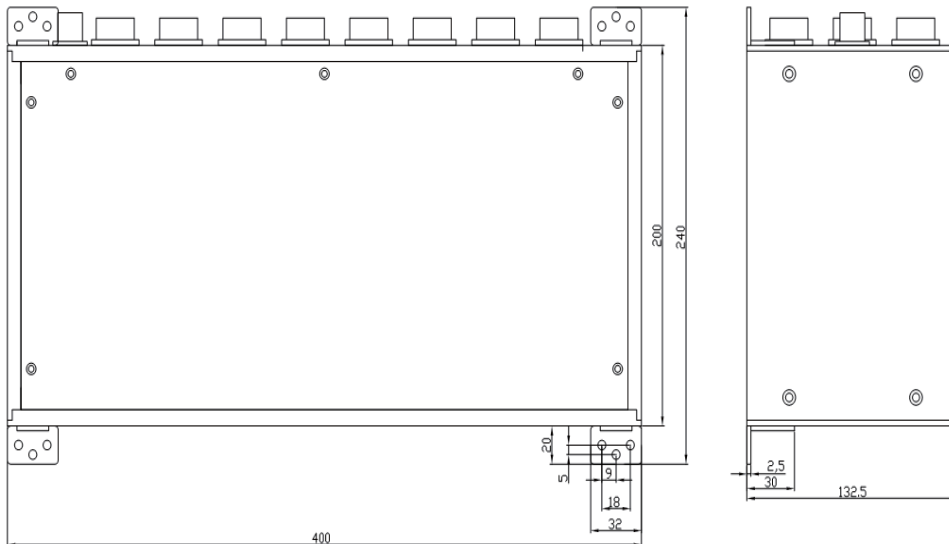
5 Years

Ordering Information

Model	Description
SICOM3016J-2GE-16T-CT39	16 x 10/100Base-T(X), CT39 connectors, 2 x 10/100/1000Base-T(X), CT39 connectors

Power Supply: 24VDC, 48VDC, single power supply

Mechanical Drawing



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