

**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
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**

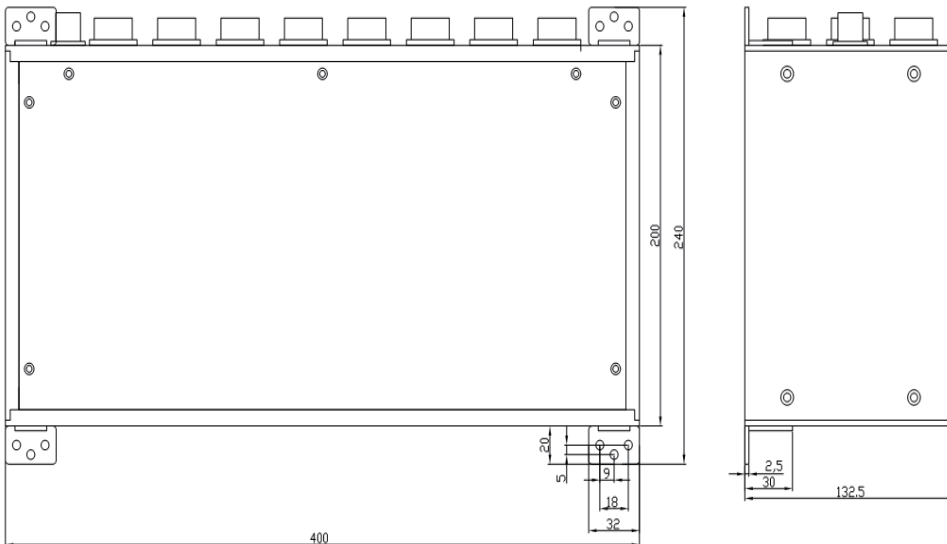
5 Years

### 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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