

SICOM3016BA

12+4G Port Layer 2 Managed Switch



- Comply with explosive atmospheres standard IEC60079-11(GB3836.4)
- Support 4 100Base-X SFT ports,6 100Base-FX ports and 6 1000Base ports optional
- Support ring protocol such as DT-ring,STP,support auto topology
- Support non-housing version or wall mount installation version

Overview

SICOM3016BA serial are switches with low consumption, high integration density, comply with explosive atmospheres standard. Which have advanced insulation performance,damp proofing and support multiple redundant protocol, auto topology,remote monitoring ,link check, etc., Excellently apply to explosive atmospheres such as factory automation,coal mine , chemical factory and so on.

Software Functions

Redundancy

Support DT-Ring、DT-Ring+ ,recover time with in 50ms when a link failed.
STP/RSTP.

Multicast Protocol

Support IGMP Snooping,GmRP and static multicast.

Switching

Support VLAN,PVLAN
Port trunk, flow control, speed limit
ACL

Sevice Quality

Support SP,WRR queue scheduling

Management & Maintenance

Support port mirror,Link check,SNMPv1/v2,RMON,LLDP,SNTP,DHCPserver
CLI,Telnet,WEB
Kyvision management
FTP software update

Alarm Contact

Support IP/MAC conflict
Support Power,port and ring alarm

Technical Specification

Technical Parameter

Standard

- ▼ IEEE 802.3i(10Base-T)
- ▼ IEEE 802.3u (100Base-T and 100Base-FX)
- ▼ IEEE 802.3ab(1000Base-T)
- ▼ IEEE802.3z (1000Base-SX/LX)
- ▼ IEEE 802.3x(flow control)
- ▼ IEEE 802.1p(Priority)
- ▼ IEEE 802.1Q(VLAN)
- ▼ IEEE 802.1s(MSTP)

Protocol

- ▼ DT-Ring,DT-Ring+,STP/RSTP;
- ▼ IGMP snooping,GMRP;
- ▼ VLAN,PVLAN;
- ▼ Telnet,HTTP,HTTPS,SNMPv1/v2,RMON,LLDP,SNTP,DHCP server;
- ▼ ACL,FTP,ARP,QoS

Switching

Queue Priority	4
VLAN Quantity	256
VLAN ID	1 ~ 4093

Multicast

Groups	256
MAC Table Size	8K
Packet Buffer Size	2Mbit

Packet Forwarding Rate 7.7Mpps
Forwarding Delay <10 μ s

Weight 1.5Kg,
Non-housing:0.5Kg
Installation Wall-mount

Interface

GigabitPorts 1000Base-X, SFP connector
Fast Ethernet Ports
 ▼ SC/ST/FC optional,
 ▼ single-mode and multi-mode is optional
 ▼ RJ45 connector,10/100Base-T(X) auto negotiation
Console Ports RS232protocol,connector is RJ45
Alarming contactor
 ▼ 3 pins used for alarm,input-mode,together with power input pins.

LED

LED on Front Panel
 ▼ PWR: Power LED
 ▼ Run: Running LED
 ▼ Alarm: Alarm LED
 ▼ 1-12: Fast ethernet LED
 ▼ Green: Link/ACTLED
 ▼ Yellow: Speed
 ▼ G1-G4: Gigabit LED
 ▼ Non-housing version support LED interface for user.

Power Requirements

Power Input
 ▼ 12DC(9-21VDC) single power
 ▼ Non-housing version 5DC(4.5-5.5VDC) single power
Power Connector
 ▼ 2 pin power input, 6x5.08 connector together with alarm pin
Power Consumption <10.6W
Load-over Protection Support
Reverse Protection Support
Redundancy protection Support

Physical Characteristics

Housing Metal,fanless
IP class IP40
Dimension
 ▼ 284mm×44mm×140mm (W×H×D)
 ▼ 235mm×30mm×130mm(non-housing) (W×H×D)

Environmental Limits

Operating Temperature -40°C ~+75°C
Storage Temperature -40°C ~+85°C
Ambient Relative Humidity 5-95%RH

Warranty

MTBF 329032 hours
Warranty 5 years

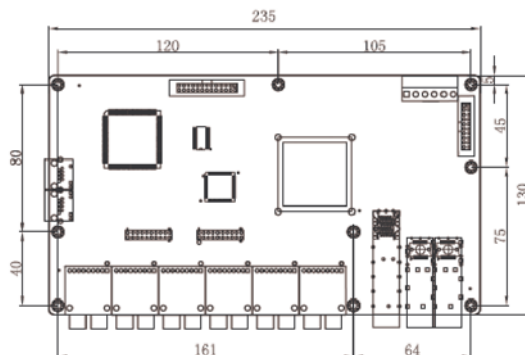
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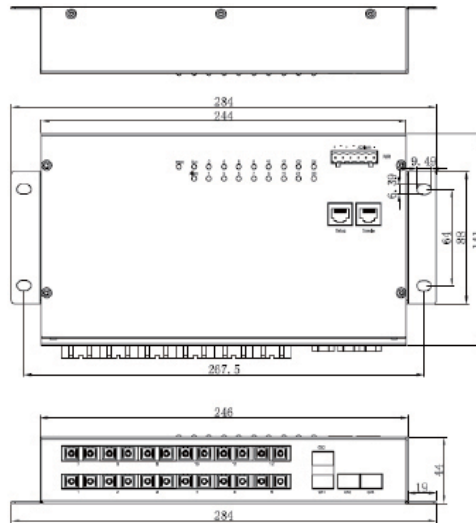
Please check Kyland website for the latest updates.

Industry Standard

EMI
 ▼ FCC CFR47 Part 15,EN55022/CISPR22,Class A
EMS
 ▼ IEC61000-4-2(ESD) \pm 8kV(contact), \pm 15kV(air)
 ▼ IEC61000-4-3(RS) 10V/m(80MHz ~ 2GHz)
 ▼ IEC61000-4-4(EFT) Power Port: \pm 4kV;Data Port: \pm 2kV
 ▼ IEC61000-4-5(Surge) Power Port: \pm 2kV/DM, \pm 4kV/CM;Data Port: \pm 2kV
 ▼ IEC61000-4-6(CS) 3V(10kHz ~ 150kHz);10V(150kHz ~ 80MHz)
Environmental
 ▼ IEC60068-2-6(vibration)
 ▼ IEC60068-2-27(shock)
 ▼ IEC60068-2-32(free-fall)
General Industrial
 ▼ IEC61000-6-2
 ▼ IEC61000-6-4
Explosive atmospheres standard
 ▼ IEC60079-0(GB/T3836.1),
 ▼ IEC60079-1(GB/T3836.2),
 ▼ IEC60079-7(GB/T3836.3),
 ▼ IEC60079-11(GB/T3836.4)

➤ Mechanical Drawing





Ordering Information

SICOM3016BA-XX-Ports-Connector-PS

XX

EC	Non-housing and Conformal Coating
C	Conformal Coating

Ports

4GX12S	2 1000Base-X SFP connectors; 12 100Base-FX single-mode fiber ports
4GX12M	2 1000Base-XSFP connectors; 12 100Base-FX multi-mode fiber ports
4GX6S6T	4 1000Base-XSFP connectors; 6 100Base-FX single-mode fiber ports; 6 10/100Base-T(X) fast Ethernet ports
4GX6M6T	4 1000Base-X SFP connectors; 6 100Base-FX multi-mode ports; 6 10/100Base-T(X) fast Ethernet ports
3GX12S	3 1000Base-X SFP connectors; 12 100Base-FX single-mode ports
3GX12M	3 1000Base-X SFP connectors; 12 100Base-FX multi-mode ports
3GX6S6T	3 1000Base-X SFP connectors; 6 100Base-FX single-mode ports; 6 10/100Base-T(X) fast Ethernet ports
3GX6M6T	3 1000Base-X SFP connector; 6 100Base-FX multi-mode ports; 6 10/100Base-T(X) fast Ethernet ports

Connector

100M fiber port specifications

SC05	SC connector, multi-mode, 1310nm, 5km
ST05	ST connector, multi-mode, 1310nm, 5km
FC05	FC connector, multi-mode, 1310nm, 5km
SC40	SC connector, single-mode, 1310nm, 40km
ST40	ST connector, single-mode, 1310nm, 40km
FC40	FC connector, single-mode, 1310nm, 40km
SC60	SC connector, single-mode, 1310nm, 60km
SC80	SC connector, single-mode, 1550nm, 80km

PS

L7	5DC(4.5-5.5VDC)
L6	12DC(9-21VDC)

Accessories

Accessories model

Description

Gigabit SFP Module	Please refer to Gigabit SFP module ordering table
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port