

SICOM3000BA



6+3G Port Layer 2 Managed Switch

- 3 100Base-X SFP connector, 6 10/100Base-T(X) RJ45 ports.
- Maximum <5.2W.
- Comply with standard IEC60079-11(GB3836.4)
- Dry contact for warning signal, support NO and NC
- Support DIN-Rail, wall-mount and non-housing version

Overview

SICOM3000BA serial is designed for use in explosive atmosphere areas, small size, low-power dissipation, comply with intrinsic safety, have advanced insulation performance and damp proofing, support fiber cascade connection, transmitting and forwarding. Support multiple redundant protocol, remote monitoring and self-manage functions. That is suitable for explosive atmospheres, high dust, corrosive conditions, such as coal mine, chemical factory, oil field and so on.

Software Functions

Redundancy

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

Multicast Protocol

Support IGMP Snooping and static multicast

Switching

Support VLAN, PVLAN
Ports trunk, speed limit, broadcast storm suppression.

Service Quality

Support SP, WRR queue scheduling.

Network Management

Support CLI, Telnet, WEB
Mib, Kyvision client, SNMPv1/v2/v3, RMON
Link Check, LLDP, STP, DHCP, PVLAN, loop detection.

Network Security

Support SSH, TACACS+

Management & Maintenance

Support ports mirror
FTP software updated.

Alarm Contact

Support power alarm
Port and ring alarm.

Technical specifications

Technical Parameters

Standard

- ▼ IEEE 802.3i,
- ▼ IEEE 802.3u,
- ▼ IEEE 802.3z,
- ▼ IEEE 802.3x,
- ▼ IEEE 802.1p,
- ▼ IEEE 802.1Q,
- ▼ IEEE 802.1w

Protocol

- ▼ DT-Ring, DT-Ring+, DT-VLAN, RSTP;
- ▼ IGMP snooping;
- ▼ VLAN, PVLAN, ARP, QoS;
- ▼ Telnet, HTTP, HTTPS, FTP;
- ▼ SNMPv1/v2/v3, RMON,
- ▼ LLDP, STP, DHCP server;
- ▼ SSH, TACACS+;

Switching

Queue Priority	4
VLAN Quantity	256
VLAN ID	1 ~ 4093
Multicast Groups Quantity	256
MAC table size	8K
Packet Buffer	1Mbit
Packet Forwarding Rate	5.4Mpps
Forwarding Delay	<10 μ s

Interface

Gigabit	1000Base-X, SFPconnector
Fast Ethernet Ports	<ul style="list-style-type: none"> 10/100Base-T(X)auto negotiation,RJ45 connector
Console Port	RS232protocol,RJ45 connector
Alarming contactor	<ul style="list-style-type: none"> Dry contact for warning signal,support NO and NC3x5.08mm spacing plug-in connector 0.5A at125Vac,2A at30Vdc

LED

- Front panel
- Run1: running LED
 - Run2: Running LED
 - PWR1,PWR2: Power LED
 - GX1-GX3: GX1-GX3 ports LED
 - 1-6: 1-6 ports LED
 - Green:Link/ACK status LED
 - Yellow:Speed LED
 - Non-housing version support LED connector for users.

Power Requirements

Input Voltage	<ul style="list-style-type: none"> With housing version:12-24VDC Non-housing version: 18VDC,12VDC,5VDC,3.3VDC;
Power Connector	5x 5.08mm Spacing plug-in connector
Power	\leq 5.2W
Overload Protection	Support
Reserve Protection	Support
Redundant	Support

Physical Characteristics

Housing	metal fanless
IP Class	IP40

Dimension

- 75mm \times 140mm \times 123mm(W \times H \times D)
 - Non-housing version:134mm \times 61.3mm \times 101mm(W \times H \times D)
- Weight
- 1.0Kg,
 - 0.3Kg(Non-housing version)
- Installation
- DIN-Rail or wall-mount.
 - Non-housing version support location holes for users

Environmental Limits

Operating Temperature	-40 $^{\circ}$ C --+75 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C --+85 $^{\circ}$ C
Relative Humidity	5-95% RH

Warranty

MTBF	384,273 hrs
Warranty	5 years

Approvals

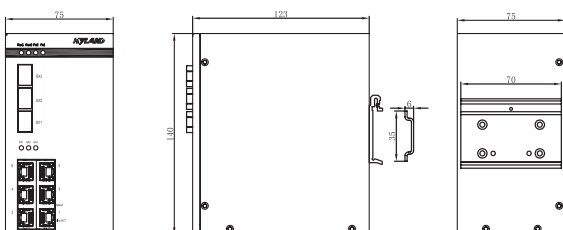
Please check Kyland website for the latest updates.

Industry Standard

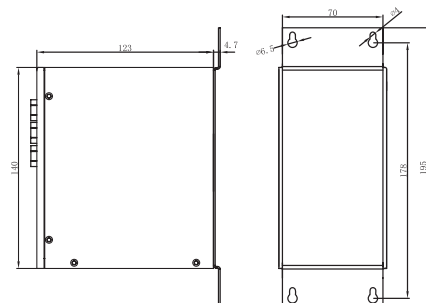
- EMI
- FCC CFR47 Part 15,EN55022/CISPR22,Class A
- EMS
- IEC61000-4-2(ESD) \pm 8kV(contact), \pm 15kV(air)
 - IEC61000-4-3(RS) 10V/m(80MHz ~ 2GHz)
 - IEC61000-4-4(EFT) Power Port: \pm 4kV;Data Port: \pm 2kV
 - IEC61000-4-5(Surge) Power Port: \pm 2kV/DM, \pm 4kV/CM;Data Port: \pm 2kV
 - IEC61000-4-6(CS) 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 atmosphere standard
- IEC60079-0(GB/T3836.1),
 - IEC60079-1(GB/T3836.2),
 - IEC60079-7(GB/T3836.3),
 - IEC60079-11(GB/T3836.4)

Mechanical Drawing

Din Rail Mounting



Panel Mounting



Ordering Information

SICOM3000BA-XX-Ports-PS

XX

EC	Non-housing and Conformal Coating
C	Conformal Coating

Ports

3GX6T	3 1000Base-X SFPconnectors;6 10/100Base-T(X)fast Ethernet ports
2GX6T	2 1000Base-X SFP connectors, 6 10/100Base-T(X) fast Ethernet ports

PS

Housing version

L5-L5	12-24VDC,Redundant power
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Non-housing version

L4	18VDC, Single power
L6-L6	12VDC, Redundant power
L7	5VDC, Single power
L8	3.3VDC, Single power

Accessories

Accessory model	Description
Gigabit SFP model	Please refer to Gigabit SFP module ordering table
DT-BGAZ-05	panel for wall-mount
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port