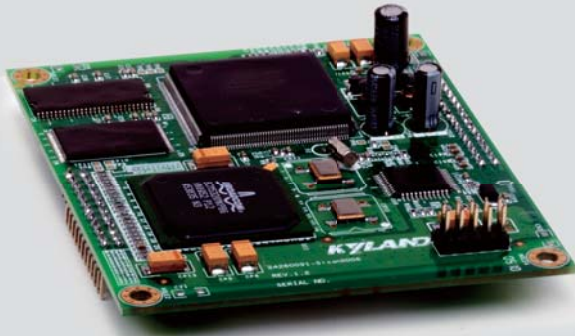


SICOM3004/ SICOM3006

4/6 Port 100M Managed Embedded Industrial Ethernet Switch



- 2 10/100Base-TX ports and 2/4 Fast Ethernet fiber/RJ45 optional ports
- Embedded mounting and small design simplify integration
- Supports DT-Ring protocols and MSTP



Overview

SICOM3004/3006 is embedded managed industrial Ethernet switch specially designed by KYLAND for industrial applications. It supports 2 10/100Base-T(X) ports, 2 or 4 100M copper/fiber ports. It run well in a wide range of temperature (-40 to 85°C). Based on Kyvision3.0, CLI, WEB interface, it offers concentrative management. The state-of-the-art OPC software enables the switch's management embedded in various industrial systems.

Features & Benefits

1. Redundancy Technology: supports DT-Ring protocols (recovery time<50ms) and MSTP
2. Multicast Protocol: supports IGMP Snooping, GMRP and static multicast
3. Network Partition: supports VLAN, PVLAN
4. Service Quality: supports QoS
5. Bandwidth Management: supports port trunking, port speed limit, broadcast storm control
6. Network Management and Monitoring: supports CLI, Telnet, WEB management methods, Kyvision centralized management, SNMPv1/v2/v3, RMON, LLDP, SNMP, DHCP
7. Network Security: supports DT-Psec, SSH, SSL, ACL
8. Device Management: supports FTP upgrade
9. Device Maintenance: supports port mirroring
10. Alarm Output: supports IP/MAC conflicts, power, port and ring alarms
11. Special Function: supports Link Check and Loop Status Check

Technical Specifications

Standard

IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s

Protocols

DT-Ring, DT-Ring+, DT-VLAN, MSTP;
IGMP Snooping, GMRP;
VLAN, PVLAN;
Telnet, HTTP, HTTPS, SNMPv1/v2/v3, RMON, LLDP, SNMP, DHCP server;
DT-Psec, SSH, SSL, ACL;
FTP; ARP, QoS

Switch Properties

Priority Queues: 4
Number of VLANs: 256
VLAN ID: 1-4094
Number of Multicast Groups: 256
MAC Table: 8K
Packet Buffer: 2Mbit
Packet Forwarding Rate: 0.9Mpps
Switching Delay: <5μ

Interface

Fast Ethernet Fiber Ports: 3 100Base-FX, SM/MM ports, FC/SC/ST connector
Fast Ethernet RJ45 Ports: 6 10/100Base-TX RJ45 ports
Console Port: RS232 (RJ45 connector)
Alarm Output Contact: 6-pin 5.08mm-spacing plug-in terminal block, 250VAC/350VDC Max, 120mA Max, 60W Max
Alarm Input Contact: 6-pin 5.08mm-spacing plug-in terminal block, TTL level, offering alarm input for external power switching
LED Output Interface: 2x13 pins

Reset Button

System reset

Power Requirements

Power Input: 3.3DC (3-5.5VDC)
 Power Terminal: Samtec's board stacker
 Power Consumption: <10W

Overload Protection: Support
 Reverse Connection Protection: Support

Physical Characteristics

Dimensions (WxHxD):
 95x25x80 mm (3.74x0.98x3.15 in.) (SICOM3006)
 80x25x80 mm (3.15x0.98x3.15 in.) (SICOM3004)
 Weight: 0.1kg (0.220 pound)
 Mounting: Embedded 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: 5 to 95% (non-condensing)

MTBF

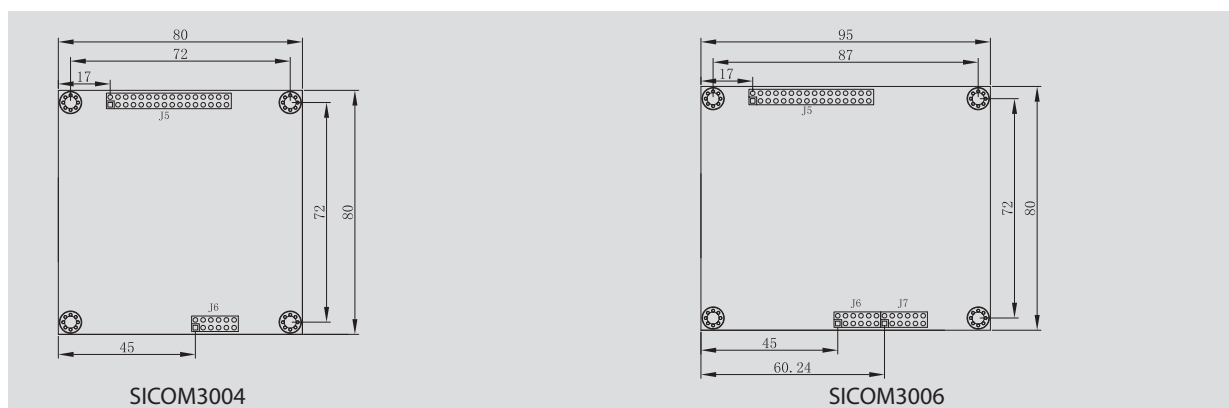
469,065 hrs

Warranty

5 years

Approvals

CE, FCC

Mechanical Drawing**Ordering Information****Model & Ports PS**

SICOM3004-4T = Embedded board with 4 10/100Base-TX interfaces
 SICOM3004-2M-2T = Embedded board with 2 100Base-FX multi mode fiber interfaces and 2 10/100Base-TX interfaces
 SICOM3004-2S-2T = Embedded board with 2 100Base-FX single mode fiber interfaces and 2 10/100Base-TX interfaces
 SICOM3006-6T = Embedded board with 6 10/100Base-TX interfaces
 SICOM3006-2M-4T = Embedded board with 2 100Base-FX multi mode fiber interfaces and 4 10/100Base-TX interfaces
 SICOM3006-2S-4T = Embedded board with 2 100Base-FX single mode fiber interfaces and 4 10/100Base-TX interfaces
 SICOM3006-4M-2T = Embedded board with 4 100Base-FX multi mode fiber interfaces and 2 10/100Base-TX interfaces
 SICOM3006-4S-2T = Embedded board with 4 100Base-FX single mode fiber interfaces and 2 10/100Base-TX interfaces

PS: Power Supply

3.3DC = 3.3VDC (3-5.5VDC)

Accessories: Test Board with port connectors

SICOM3004-Test-4T
 SICOM3004-Test-2M-2T
 SICOM3004-Test-2S-2T
 SICOM3006-Test-6T
 SICOM3006-Test-2M-4T
 SICOM3006-Test-2S-4T
 SICOM3006-Test-4M-2T
 SICOM3006-Test-4S-2T