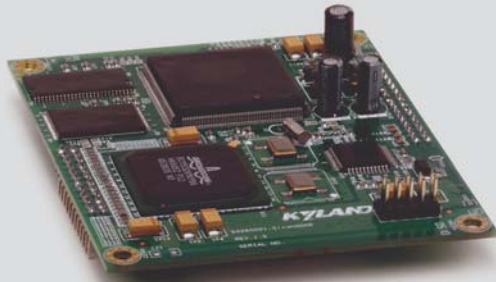# SICOM3006

6 Port Layer 2 Managed Embedded Industrial Ethernet Switch

- 2 10/100Base-T(X) ports, 4 10/100Base-T(X) or 100Base-FX ports
- Embedded mounting and small design simplify integration
- Supports DT-Ring and STP/RSTP

CE FC

>> Overview

SICOM3006 is managed embedded Industrial Ethernet Switch. SICOM3006 supports 2 10/100Base-T(X) ports, 4 10/100BaseT(X) or 100Base-FX ports. SICOM3006 provides 3.15-3.45VDC redundant power inputs. It works in wide operating temperature range from -40 to 85℃, and support Console, Telnet, Web management methods, Kyvision centralized management based on SNMPv1/v2c/v3.

>> Software Functions

Switching Function

Supports VLAN and PVLAN
Supports port trunking
Supports flow control based on port
Supports port speed limit
Supports broadcast storm control

Redundancy

Suppors the DT-Ring, DT-Ring+ protocols, recovery time<50ms
Suppors STP/RSTP

Multicast

Supports IGMP Snooping
Supports GMRP
Supports static multicast

Service Quality Management

Supporting SP and WRR queuing.

Management & Maintenance

Supports Console, Telnet and WEB management methods
Supports SNMPv1/v2c and centralized management through Kyvision
Supports FTP software upgrade
Supporting the IP/MAC address conflict alarm, power failure alarm, power alarm, port alarm, and ring alarm
Supports RMON
Supports port mirroring
Supports LLDP
Supports Link-check

Clock Management

Supports SNTP Server/Client

>> Product Specifications

Technical Specifications

Standards
▼ IEEE 802.3i (10Base-T)
▼ IEEE 802.3u (100Base-TX and 100Base-FX)
▼ IEEE 802.3x (flow control)
▼ IEEE 802.1p (priority)
▼ IEEE 802.1Q (VLAN)
▼ IEEE 802.1D(STP)
▼ IEEE 802.1w (RSTP)

Switch Properties

Priority Queues	4
Number of VLANs	256
VLAN ID	1-4093
Number of Multicast Groups	256
MAC Table	8K
Packet Buffer	2Mbit

Version: 2015V1.0

| Packet Forwarding Rate | 0.9Mpps |
| Switching Delay | <10μs |

Interface

Fast Ethernet Ports
▼ 10/100Base-T(X) or 100Base-FX port, 2 connectors with 2×6 pins (J6,J7)
▼ 10/100Base-T(X) port, 1 connector with 2×16 pins (J5)
Console Port
▼ RS232(TXD,RXD), 1 connector with 2×16 pins (J5)

LED

Indicators in the connector with 2×16 pins (J5)
▼ Running LED: Run
▼ Ring Alarm LED:Alarm1,Alarm2
▼ Interface LED: Link/ACT,Speed

Button

System reset, 1 connector with 2×16 pins (J5)

Power Requirements

Power Input	3.3DC(3.15-3.45VDC)
Power Terminal	1 connector with 2×16 pins (J5)
Power Consumption	<10W

Physical Characteristics

Dimensions
▼ 95mm×25mm×80mm (3.74 in×0.98 in×3.15 in)(W×H×D)

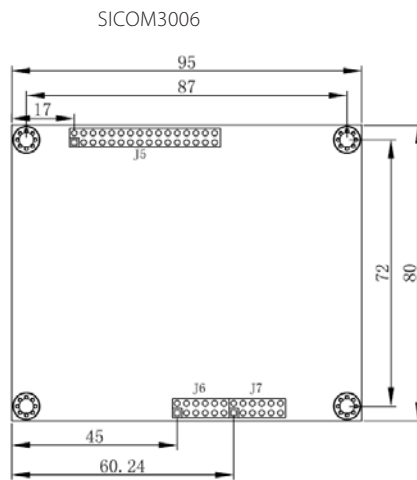| Weight | 50g (0.110 lb) |
| Mounting | Embedded mounting |

Environmental Limits

Operating Temperature	-40°C -+ 85°C (-40°F - 185°F)
Storage Temperature	-40°C -+ 85°C(-40°F - 185°F)
Ambient Relative Humidity	5-95% (non-condensing)

Quality Assurance

| MTBF | 469,065 hrs |
| Warranty period | 5 years |

≫ Mechanical Drawing

SICOM3006

≫ Ordering

Product Model	Product Description
SICOM3006-EM	2 10/100Base-T(X) ports, 4 10/100Base-T(X) or100Base-FX ports, 3.15-3.45VDC redundant power inputs