

# SICOM3008PN

## 8G port Layer 2 Managed Profinet DIN-Rail Switch



### » Overview

SICOM3008PN is equipped with 8 10/100/1000 Base TX ports, also provide 2 100/1000 SFP port and 6 10/100/1000Base-TX ports. SICOM3008PN supports wide operating temperature range from -40°C to 75°C, metal housing with IP30 protection class and redundant power inputs, becoming an economical and harsh-environment-resistant solution for industrial automation applications.

#### [PI reference link](#)

PROFIBUS and PROFINET International (PI) is the largest automation community in the world and responsible for PROFIBUS and PROFINET.

### » Key Features

8 10/100/1000Base-TX ports; 2 100/1000 SFP, 6 10/100/1000Base-TX ports

Support Profinet v2.3 & v2.32, CC-B

Support Profinet MRP ( MRM&MRC ) ,PNIO system redundancy

Wide temperature -40°C ~ +75°C

IP30

EMC level 3

CE, FCC

### » Product Specifications

**>Technical Specifications**

**-Standard**

IEEE802.3

IEEE802.3u

IEEE802.3ab

IEEE802.3z

IEEE802.3x

IEEE802.1p

IEEE802.1Q

IEEE802.1w

IEEE802.1x

IEEE 802.3az

IEC62439-2

**-Switch Properties**

MAC Table 8K

Packet Buffer 4Mbit

Packet Forwarding Rate 1.5Mpps

Switching Delay <15us

Jumbo frame 9K

**-Interface**

Port

100/1000 SFP

10/100/1000Base-T(X), RJ45 port

**-Profinet features**

Profinet version V2.3 & V2.32

GSD Support

Conformance class B

MRP Support MRM&MRC

PNIO system redundancy Support

**-Management functions**

Interface

CLI;  
WEB based managed interface;  
SNMP v1,v2,v3;  
Telnet  
Fast recovery ring  
Recovery time < 50ms;  
Single/dual ring  
Spanning tree protocol  
IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP  
LACP  
Support  
VLANs  
256  
Multicast  
IGMP v1,v2,v3  
GVRP  
Support  
LLDP  
IEEE 802.1ab  
Storm control  
Multicast/Broadcast/Flooding Storm Control  
Flow control  
IEEE 802.3x and Back-Pressure  
QoS  
IEEE 802.1p QoS  
Safety  
HTTP, HTTPS, SSH  
Upgrade & Restore  
Configuration import/export;  
Firmware Upgrade  
Diagnostic  
  
Syslog  
  
MIB

RFC 1757 RMON 1,2,3,9;

RFC 2674 Q-bridge MIB;

RFC-1213 MIB-II;

RFC-1493 bridge MIB;

RFC 2233 IF MIB

DHCP

Support

SNTP

Support

System status

Device info/status;

Ethernet port status

#### **-LED**

Front panel LED

PWR1,PWR2;

Ethernet port Link & Speed

#### **-Power Requirements**

Input voltage 12-58VDC

Power consumption 14W

Reverse protection Support

#### **-Physical Characteristics**

Housing Metal

Cooling Natural convection, fanless

Protection Class IP30

Dimension 108x154x61mm(W×H×D)

Weight 1.3Kg

Mounting DIN-Rail or Panel Mounting

#### **-Environmental Limits**

Operating temperature -40°C ~ +75°C

Storage temperature -40°C ~ +85°C

Ambient Relative Humidity 5 ~ 95% (non-condensing)

**-Quality Assurance**

MTBF 463,158 hours

Warranty 5 years

**-Approvals**

CE, FCC, Profinet Conformance Class B

**-Industry Standards**

EMI

FCC CFR47 Part 15, EN55022/CISPR22, Class A

EMS

IEC61000-4-2(ESD)  $\pm 6\text{kV}$ (contact),  $\pm 8\text{kV}$ (air)

IEC61000-4-3(RS) 10V/m(80MHz ~ 2GHz)

IEC61000-4-4(EFT)

Power Port:  $\pm 2\text{kV}$ ; Data Port:  $\pm 1\text{kV}$

IEC61000-4-5(Surge)

Power Port:  $\pm 1\text{kV}/\text{DM}$ ,  $\pm 2\text{kV}/\text{CM}$ ; Data Port:  $\pm 2\text{kV}$

IEC61000-4-6(CS) 10V(150kHz ~ 80MHz)

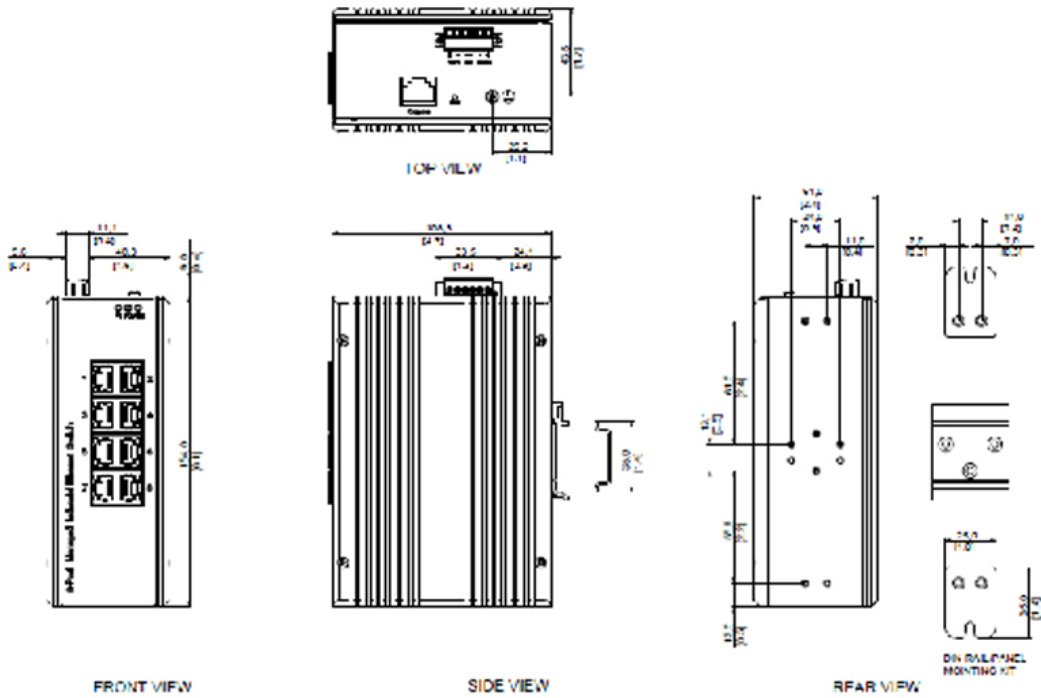
Machinery

IEC60068-2-27 (Vibration)

IEC60068-2-32 (Shock)

IEC60068-2-6 (Free Fall)

**» Mechanical Drawing**



## » Ordering Information

### SICOM3008PN-Ports-PS1-PS2-PN type

Ports	Description
2GX6GE	2 x 100/1000Base-X, SFP; 6 x 10/100/1000Base-T(X) ports
8GE	8 x 10/100/1000Base-T(X) ports
PS1-PS2	Power supplies
L15-L15	12-58VDC, redundant power inputs
PN Type	
N/A	GSD file
C	GSD file, MRC
M	GSD file, MRC, MRM&System Redundancy

Version:2018-02-12 10:42:14