

# Serial Module

## Serial device server module



### » Overview

Serial device server module is specially designed for SICOM3028GPT series, supporting 4 selectable RS232 RS422 and RS485 serial ports in 10 pin RJ50 connector, isolated IP address and management. The enhanced version supports RTS carrier flow control, Optoelectronic isolation etc. This serial module is fully compliant with EMC level 4 with each serial port integrated with  $\pm 15\text{KV}$  ESD protection circuit. It enriches SICOM3028GPT series with standard serial device server functionalities for utility applications.

### » Key Features

- 4 RS232/422/485 serial ports, one 100M interface (backplane)
- Supports VLAN, white list, data mirror, configuration import/export
- Reset button for easy module reset without need to reboot the device
- $\pm 15\text{kV}$  ESD protection circuit for each serial port
- Compliant with EMC industrial level 4
- Supports hot-swap for easy maintenance (only can replace the same type of module)

### » Product Specifications

- >Software functions
- Serial port function

Supports RS232/RS422/RS485 mode.

Supports RTS carrier flow control.

Supports TCP/UDP protocol

Supports VLAN

Supports static route

Supports white list

### **-Management and maintenance**

Supports serial data mirror.

Supports configuration import/export.

Supports SSH

Supports SNMP.

### **>Product Specifications**

#### **-Standard**

IEEE 802.3i (10Base-T)

IEEE 802.3u (100Base-T)

IEEE 802.3x (flow control)

#### **-Interface**

Serial port

4 RS232/422/485 serial ports, 10 pin RJ50 connector

Bit error rate: 0

Electrical characteristic: 3 wire RS232(5 wire RS232 for enhanced version), 4 wire RS422, 2 wire RS485

Data bits: 5,6,7,8, default is 8

Stop bits: 1, 1.5, 2, default is 1

Parity bits: None, Even, Odd, Space, Mark, default is None

Flow control: XON/XOFF, default is XOFF

Baud Rate: 50bps-1000Kbps, default is 9600

#### **-LED**

LED on front panel

Running LED: RUN

Serial port LED: TX,RX

#### **-Button**

Reset: Serial device server system reboot

**-Transmission Distance**

Serial port

RS232: 15m;

RS422/485: 1200m

**-Physical Characteristics**

Housing: Metal

Cooling: Natural cooling, fanless

Dimensions(WxHxD): 122.6mm×20.25mm×106.6mm(4.83×0.80×4.20 in.)

Weight: 0.22Kg (0.485 pound)

**-Power Requirements**

Power input: 3.3VDC

Power terminal: A type interface (powered by backplane)

Power consumption: <2.5W

**-Environmental limits**

Operating temperature: -40°C to +85°C (-40°F to 185°F)

Storage temperature: -40°C to +85°C (-40°F to 185°F)

Ambient Relative Humidity: 5% to 95% (non-condensing)

**-Quality assurance**

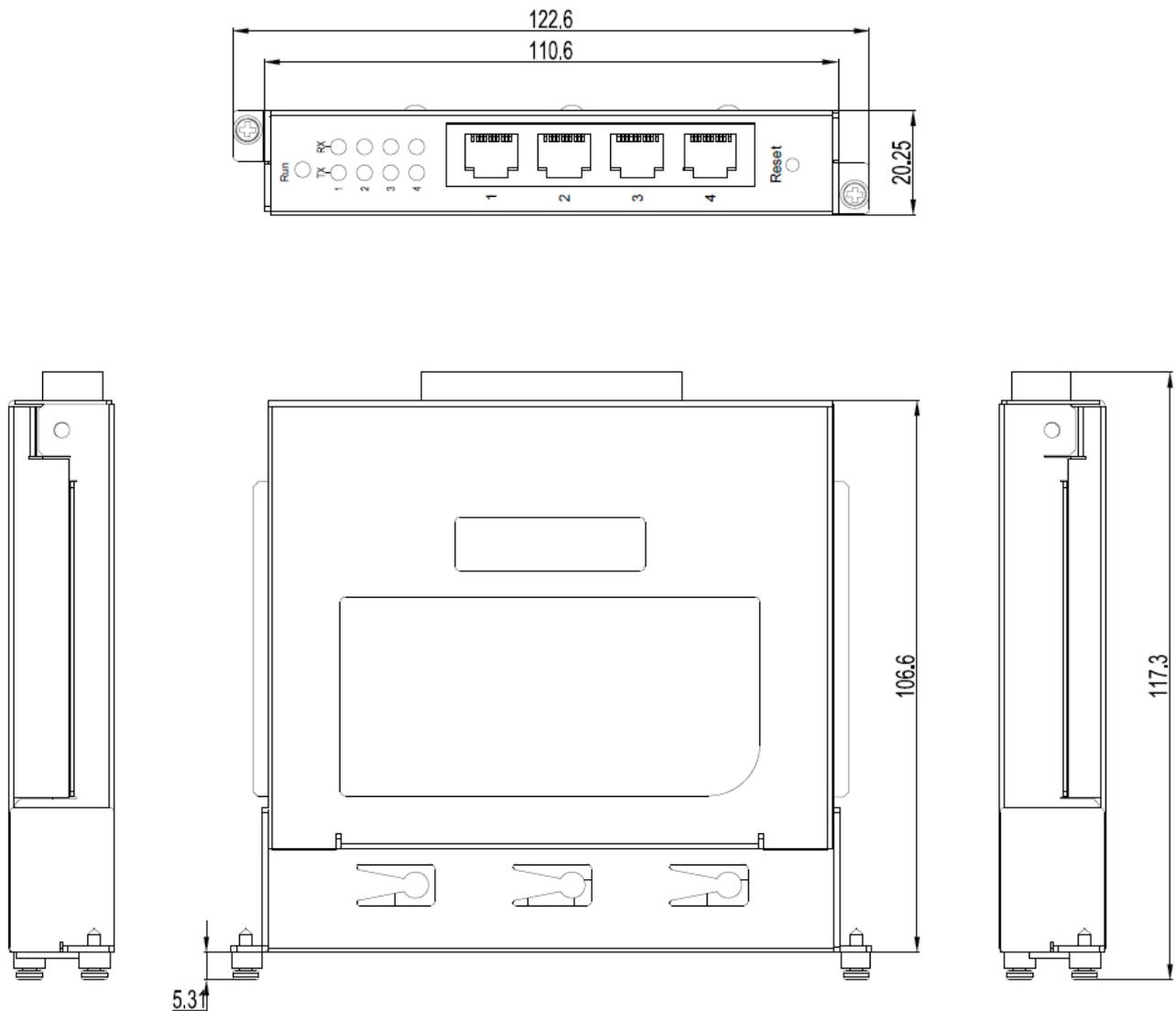
Warranty: 5 years

**-Approvals**

CE(SM6.6-4D-A-4RS232/422/485-0.5U),

FCC (SM6.6-4D-A-4RS232/422/485-0.5U)

**» Mechanical Drawing**



## » Ordering Information

**SM6.6-4D-232/422/485-0.5U:** Serial device server module, 4xRS232/422/485 serial port

**SM6.6-4D-A-4RS232/422/485-0.5U:** Serial device server module enhanced version, 4xRS232/422/485 serial port, supports RTS carrier flow control, Optoelectronic isolation

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