

GPT-Serial Device Server Module

Preliminary



Serial Device Server Module For SICOM3028GPT

- 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)

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.

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 & Maintenance

Supports serial data mirror.
Supports configuration import/export.
Supports SSH
Supports SNTP.

Product Specifications

Technical 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% - 95% (non-condensing)

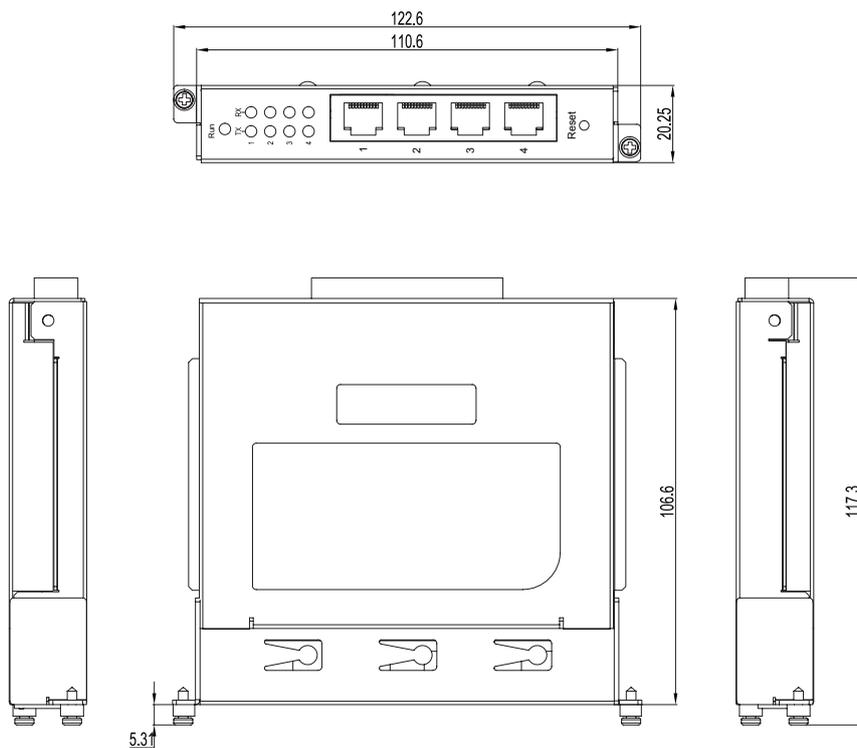
Quality Assurance

Warranty 5 years

Approvals

CE (pending), FCC (pending)
 Please check Kyland website for the latest updates.

» Mechanical Drawing



» Ordering Information

Model

SM6.6-4D-232/422/485-0.5U
 SM6.6-4D-A-4RS232/422/485-0.5U

Description

Serial device server module, 4xRS232/422/485 serial port
 Serial device server module enhanced version,
 4xRS232/422/485 serial port, supports RTS carrier flow control,
 Optoelectronic isolation