

SIMU1000-T-4D

Embedded Programmable Serial Server



CE, FCC, RoHS

Overview

The SIMU1000-T-4D series, embedded programmable serial server, was developed by Kyland for industrial applications. It offers one 10/100Base-T(X) ports and 4 RS232/RS485 serial ports.

Features

- Embedded programmable serial server, supports one 10/100Base-T(X) port and 4 RS232/RS485 serial ports
- Supports TCP and UDP protocols
- 4 channels of serial datas can be exchanged to TCP/IP protocol packets, connected to Ethernet
- Programmable serial server embedded system is developed under Linux system, supports redevelopment platform
- Base on Uboot and Linux systems to upgrade bootstrap, operating system kernel and file system
- Setting user name and password to prevent unauthorized users login
- Supports multiple management functions including CLI, TELNET, WEB, SNMP
- Supports 3.3VDC power input
- Operating temperature: -40 to 85°C (-40 to 185°F)
- Embedded installation
- Unified management software for SICOM series: Kyvision3.0

Technical Specifications**Standard**

IEEE802.3
IEEE802.3u
IEEE802.3x
ARP
UDP
TCP
TELNET
ICMP
SNMP
DHCP
TFTP

Interface

Serial Ports: 4 serial ports, TTL level
Fast Ethernet Port: 1 x 10/100Base-T(X) port
Serial Ports Parameters:
Channel ID: 1, 2, 3, 4
Serial Port Mode: RS232, RS485
Baud Rate: 50bps-1000kbps
Effective Baud Rate: 1000000, 921600, 576000, 500000, 460800, 230400, 115200, 57600, 38400, 19200, 9600 (default), 4800, 2400, 1800, 1200, 600, 300, 200, 150, 134, 110, 75, 50
Data Bit: 5, 6, 7, 8
Parity Check: L: None, M: Even, N: Odd, O: Mark, P: Space
Stop Bit: 1, 2
Software Flow Control: on, off
Connecting Mode Parameters:
Type of Device: server, client
Type of Data Packets: tcp, udp
Port Number: 1024-65535
Delay or nodelay of network data: nodelay, delay
LED Indicators: ALARM, TX1-TX4, RX1-RX4
Input Terminal: 2.54mm-spacing double row pins: one pcs with double row and 14 pins per row (J3); one pcs with double row and 2 pins per row (J4)

Power Requirements

Power Input: 3.3VDC
Power Terminal: 2.54mm-spacing double row pins
Power Consumption: <3W

Physical Characteristics

Installation: Embedded module
Dimensions (WxHxD): 50x25x80mm (1.97x0.98x3.15 in.)
Weight: 0.1kg (0.220 pound)

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: 0 to 95% (non-condensing)

Approvals

IEC61000-4-2 (ESD): ±8KV contact discharge, ±15KV air discharge
IEC61000-4-3 (RS): 10V/M (80-1000MHz)
IEC61000-4-4 (EFT): ±4KV power line, ±2KV data line
IEC61000-4-5 (Surge): power line ±4KV CM/ ±2KV DM, data line ±2KV
IEC61000-4-6 (CS): 3V (10KHZ-150KHZ), 10V (150KHZ-80MHz)
IEC61000-4-8 (Power frequency magnetic field): 100A/m cont. 1000A/m, 1s to 3s
IEC61000-4-12/18 (Damped oscillatory wave): 2.5KV CM, 1KV DM
IEC61000-4-10 (Damped oscillatory): 30A/m
IEC61000-4-16 (Common mode conduct): 30V cont. 300V, 1s
FCC CFR47 Part 15/EN55022: Class A&B
IEC61000-6-2 (Industrial Standards), IEC61850-3 (Substations), IEEE1613 (Electric Power Substations), EN50121-4 (Railway Applications)
IEC61373 (Shock and Vibration)

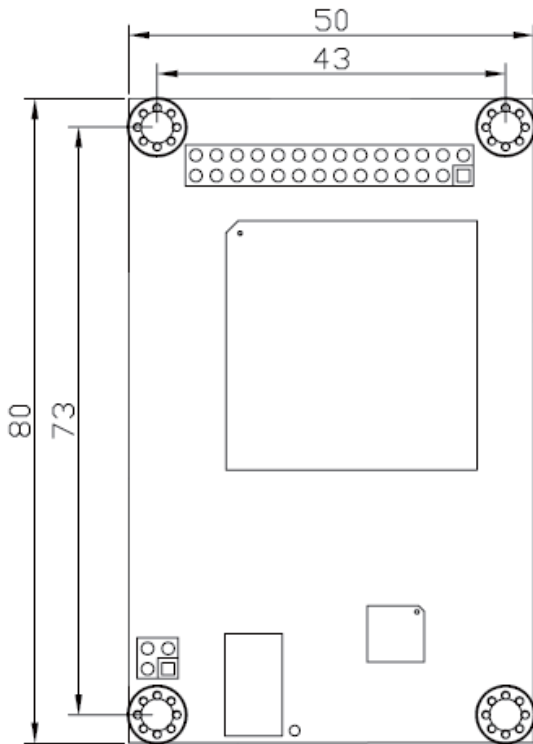
CE, FCC, ROHS

MTBF

35 years

Warranty

5 years

Mechanical Drawing**Ordering Information**

Model	Description
SIMU1000-T-4D-232/485	Embedded programmable serial server with 1 10/100Base-T(X) port, 4 RS232/RS485 serial ports

Power supply: 3.3VDC

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