

IT-SDS-304-T-4DI (RS-485) 4-Ports RS-485/422 to Ethernet Serial Server

Features

- ⊙ Support 10/100M Ethernet.
- ⊙ Support 4 Ports RS-485/422.
- ⊙ Support WEB and Telnet configuration.
- ⊙ Support TCP, UDP, ARP, ICMP, DHCP and DNS protocol.
- ⊙ Support TCP Server, TCP Client, TCP Auto, UDP and Real COM driver working mode.
- ⊙ Support UDP multicast and UDP subnet mode.
- ⊙ Support heartbeat time and time over disconnect function.
- ⊙ Support cross-gateway and cross-router communication.
- ⊙ Support virtual serial COM port access and Network interruption automatic recovery.
- ⊙ Provide Windows configuration tools for easy to use, easy to bath install.
- ⊙ Industrial grade design, IP30 protection grade.
- ⊙ No fan, low consumption design.
- ⊙ Working temperature: -40~85°C.



Introduction

IT-SDS-304-T-4DI (RS-485) is an high performance, industrial grade serial to Ethernet server, it can satisfy some kinds of customer requirements in consumption, temperature, volume and handle ability. It provides 4 ports RS-485/422(RS-485/422 connector: 5 bit terminal block) and 1 port 10/100Base-Tx Ethernet, can focus manage disperse serial device, master through network, easy, convenience. In application, can configure, upgrade through WEB.

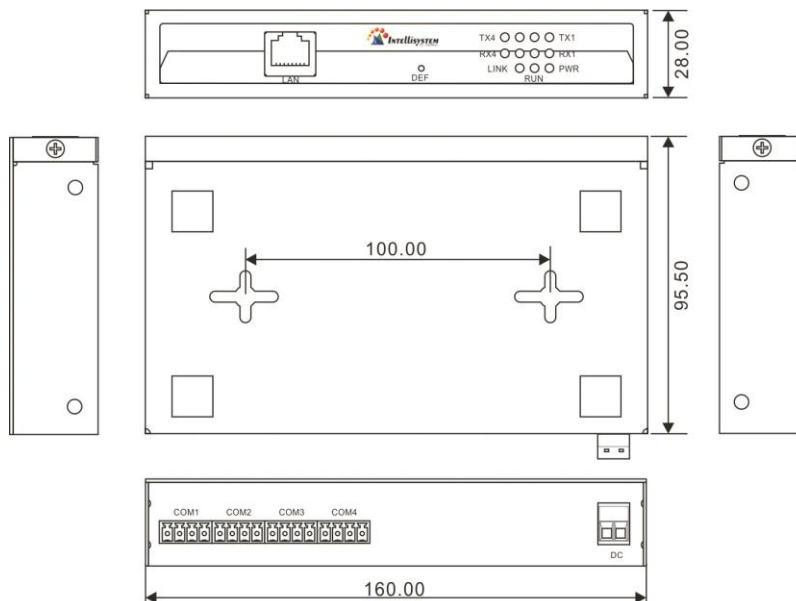
Moreover, IT-SDS-304-T-4DI (RS-485) provide strong function

configuration tools based in Windows platform, it can guide user configure the device step by step, all configurations are coming true by WEB or Telnet, support cross-gateway and cross-router, user can flexible configure IP address, server and client mode, data bag size etc.

IT-SDS-304-T-4DI (RS-485) adopts EMC protection design, can work in rugged environment.

Dimensions

Unit (mm)



Specifications

Ethernet ports

Standard: 10Base-T, 100Base-TX

Protocol: Support TCP, UDP, APR, ICMP and DHCP

Signal: Rx+, Rx-, Tx+, Tx-

Speed: 10/100Mbps

Working: Full-duplex and half duplex

Working mode: Support TCP Server and Client

Transfer distance: 100m

Connector: RJ45

RS-485/422 ports

RS-485/422 port number: 4

RS-422 signal: T+(A), T-(B), R+(A), R-(B)

RS-485 signal: D+(A), D-(B)

Parity bit: None, Even, Odd, Space, Mark

Data bit: 5bit, 6bit, 7bit, 8bit

Stop bit: 1 bit, 2 bit

Band rate: 300bps~115200bps

Loading: support 32 nodes loop back

Transfer distance: 1200m

Connector: 4-bit terminal block

Protection: class 3 static, 1.5KVAC isolation

LED Indicators

Working statue indicator: RUN

Power (PWR)

Ethernet port connection statue (Link)

RS-485/422 port transmit data indicator: TX1~TX4

RS-485/422 port receive data indicator: RX1~RX4

Power requirements

Input voltage: 9~48VDC

No-load consumption: 1.35W @ 12VDC

Full-load consumption: 1.44W @ 12VDC

Environment limits

Working temperature: -40~85°C

Storage temperature: -40~85°C

Relative humidity: 5%~95% (non-condensing)

Mechanical

Shell: IP30 protection, metal shell

Installation: Wall mounting

Weight: 450g

Size (L×W×H): 160mm×95.5mm×28mm

Standards

EMI: EN 55022 Class A, FCC Part 15 Subpart B Class A

EMS: EN 55024,

EN 61000-4-2 (ESD) Level 3,

EN 61000-4-3 (RS) Level 3,

EN 61000-4-4 (EFT) Level 4,

EN 61000-4-5 (Surge) Level 3,

EN 61000-4-6 (CS) Level 3,

EN 61000-4-8,

EN 61000-4-11

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Warranty

Warranty time: 5 years

Certificates

CE, FCC, RoHS, UL508 (pending)

Ordering Informations

IT-SDS-304-T-4DI (RS-485) 4-ports RS-485/422 to Ethernet (10M/100M), DC9~48V, wall mounting

Packing List

1. IT-SDS-304-T-4DI (RS-485)×1
2. User manual × 1
3. Straight network cable × 1
4. Power adapter × 1

5. CD × 1

6. Warranty card ×1

7. Certificate of quality×1

Optional accessories:

DIN-Rail Mounting Kit (35mm) ×1