

# IT-SDS-3032-T (RS-232)

## 32 Ports RS-232 to Ethernet Serial Server

### Features

- ◎ Support 10/100M Ethernet.
- ◎ Support 32 Ports RS-232.
- ◎ 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: -25~70°C.



1

### Introduction

IT-SDS-3032-T 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 32 ports RS232 (RS-232 connector: RJ45) 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-3032-T 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 can flexible configure IP address, server and client mode, data bag size etc.

IT-SDS-3032-T adopts EMC protection design, can work in rugged environment.

### 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

#### RS232 ports

RS232 port number: 32

RS-232 signal: DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS

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

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

Stop bit: 1bit, 1.5bit, 2bit

Band rate: 300bps~115200bps

Loading: point to point

Transfer distance: no more than 15m

Connector: RJ45

Protection: class 3 static

#### Chips

Frequency: 120MHz

ROM: 512k

RAM: 96KB+1MB

#### LED Indicators

Working statue indicator: RUN

**Power (PWR)**

Ethernet port connection status (Link)

RS232 port transmit data indicator: TX1~TX32

RS232 port receive data indicator: RX1~RX32

**Power requirements**

Input Voltage: 85~265VAC/DC

No-load consumption: 1.9W@220VAC

Full-load consumption: 3.4W@220VAC

**Mechanical**

Shell: IP30 protection, metal shell

Installation: 1U 19" rack mount

Weight: 2500g

Size (L×W×H): 441.6mm×207.9mm×44.6mm

**Environment limits**

Working temperature: -25~70°C

Storage temperature: -30~85°C

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

**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-3032-T** 32-ports RS232 to Ethernet (10M/100M), DC5V, wall mounting**Packing List**

1. IT-SDS-3032-T ×1
2. User manual ×1
3. Straight network cable ×1
4. Power cable ×1
5. Software CD-ROM
6. Product Warranty booklet