TS100 1-port Serial Device Server
Serial to Ethernet Solutions

Overview
The TS100/TS130 series addresses a demand for connecting serial interface based equipment to an Ethernet based local area network.

Managed Protocol Converter

The TS100/TS130 series is a device that converts between serial RS232/422/485 communication interfaces and Ethernet. The TS100 is managed through a web based Graphic User Interface (GUI). The IP addressable interface provides user friendly functions and menus for easy configuration.

Low-Cost of Ownership

The TS100/TS130 allows users use the original software for serial-port-based equipment. By eliminating the need to write new software, existing equipment can be connected to a TCP/IP Ethernet network with minimal implementation cost.

Features
- Provides one port 10/100BASE-TX auto-negotiation/Auto MDIX with RJ45 connector, or one port Multi Mode with SC/ST/MT-RJ/VF-45/LC fibre connector or Single Mode SC/ST fibre
  Connector or WDM Single Mode SC fibre connector
- Provides one serial port 4 wires full-duplex asynchronous (RS-422/485) or 2 wires half-duplex asynchronous (RS-485)
- Provides 3-in-1 RS-232/422/485 serial interfaces

- Complies with IEEE802.3 10BASE-T and IEEE 802.3u 100BASETX, 100BASE-FX standards
- Complies with EIA/TIA RS-232E, EIA/TIA-574 Extended distances up to 1.2Km (0.74mile) (24AWG) using RS422/485
- LED Indication: PWR, LINK/ACT, FDX, STATUS (ON - idle, BLINK -Running)

Ordering Information

DC Jack power input:

TS100RJ	1-port RS-232/422/485 to 10/100BASE-TX Serial Device Server
TS100C	1-port RS-232/422/485 to 100BASE-FX Multi Mode (SC) Serial Device Server
TS100T	1-port RS-232/422/485 to 100BASE-FX Multi Mode (ST) Serial Device Server

Terminal Block power input:

TS130RJ	1-port RS-232/422/485 to 10/100BASE-TX Serial Device Server
TS130C	1-port RS-232/422/485 to 100BASE-FX Multi Mode (SC) Serial Device Server
TS130T	1-port RS-232/422/485 to 100BASE-FX Multi Mode (ST) Serial Device Server

* TS101/TS131 DB25 version series are also available
* ST fibre also available in Single Mode, 20Km
* SC fibre also available in Single Mode, 20/40/75/100/120Km
* SC fibre also available in WDM

Power Supply: (Optional)

*Option A - The Terminal Block type external power supply are not included. Please order the following part numbers, as required:
41-136046-X X=1, 2,3,4,5
**Option B - The external power adapter and power cord are not included. Please order the following part numbers, as required:
41-136044-X X=1, 2,3,4,5

Specifications

Serial Port:
Interface: RS-232/422/485 (software selectable)
Connector: DB9 for RS-232/422/485 (DB25 special order)

Serial Communication Parameters:
Parity: None, Even, Odd
Data Bits: 5, 6, 7, 8
Stop Bit: 1, 2
Flow Control: None, RTS/CTS, Xon/Xoff
Speed: 600 bps to 230.4 Kbps

Ethernet Port:
Interface: 10/100BASE-TX; 100BASE-FX
Connector: R-J45 (10/100BASE-TX); SC,ST type (100BASE-FX)

Protocols:
TCP, IP, UDP, Telnet, DHCP, ICMP, HTTP

Operation mode:
TCP Mode, UDP Mode

Management:
Serial Console, Telnet Console, Web Management,
Firmware Upgradeable

Power
Input:
Input Voltage: 12VDC

Power Consumption:
2.64W Max. 0.22A@12VDC

Connector:
Terminal Block or DC Jack

Mechanical
Casing:
Metal case

Dimensions:
80.3mm (W) x 109.2mm (D) x 23.8mm (H)
(3.16" (W) x 4.3" (D) x 0.94" (H))

Weight:
0.8kg (1.76 lb)

Installation:
DIN Rail, Wall Mounting

Environment

Operating Temperature:
0°C to 45°C (32°F to 113°F)

Storage Temperature:
-10°C to 70°C (14°F to 158°F)

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

Regulatory Approvals:
Emission Compliance:
CE Mark Class A, FCC Part 15 Class A, VCCI Class A

Diagrams