

tDS 700: Tiny Serial-to-Ethernet Device Server & Modbus Gateway

Tiny Serial-to-Ethernet Device Server



Features:

- Incorporates any RS-232/422/485 serial device in Ethernet
- tDS-700: 10/100 Base-TX Ethernet, RJ-45 × 1
- Contains a 32-bit MCU that efficiently handles network traffic
- tDS-2200: 2-port Ethernet Switch
- Operation Modes: Virtual COM, TCP Server, TCP Client (LAN Bypass for Daisy-Chain Wiring)
- Virtual COM for 32/64-bit Windows XP/2012/7/10 Includes redundant power inputs: PoE and DC jack
- Data Packing Modes: Length, Delimiter, timeout, Char-timeout

Male DB-9 or terminal block connector for easy wiring
 Supports pair-connection (serial-bridge, serial-tunnel) applications
 Tiny form-factor and low power consumption
 Supports UDP responder for device discovery (UDP Search)
 Tiny Web server for serial and network configuration (HTTP)
 Easy firmware update via the Ethernet (BOOTP, TFTP)
 Static IP or DHCP network configuration
 Allows automatic RS-485 direction control

ICPDAS USA's tDS-700 is a series of Serial-to-Ethernet device servers designed to add Ethernet and Internet connectivity to any RS-232 and RS-422/485 device, while eliminating the cable length limitation of legacy serial communication. By using the VxComm Driver/Utility, the built-in COM port of the tDS-700 series, it can be virtualized to a standard PC COM port in Windows. This allows users to transparently access or monitor serial devices over the Internet/Ethernet without software modification.

