

## Features



10BaseT Ethernet port



Dimensions: 95x57x30mm



DS100: RS232 port



DS100B: RS232/422/485 port



## About

The DS100 is Tibbo's original device server (serial-to-Ethernet converter). The DS100 externally connects virtually any existing serial device to an Ethernet network.

The DS100 is available in two versions: DS100R with RS232 serial port and DS100B with universal RS232/422/485 serial port.

The product is offered with Tibbo Device Server Toolkit software, which includes Virtual Serial Port Driver for Windows and Linux.

## Specifications

- Based on the EM100 Ethernet module.
- 10BaseT Ethernet port.
- DS100R: one RS232 serial port (TX, RX, RTS, CTS lines).
- DS100B: universal RS232/422/485 port:
  - RS232 mode: RX, TX, RTS, CTS, DTR, DSR lines;
  - RS422: RX+/-, TX+/-, CTS+/-, RTS+/- lines;
  - RS485: RX+/-, TX+/-, automatic direction control.
- Four status LEDs.
- Power: 9-16V (12V nominal).
- Dimensions: 89x51x30mm.
- Firmware is upgradeable through the serial port or network.
- Optional Accessories:
  - DMK100 DIN rail/wall mounting kit.
  - 12V/0.5A adaptor: APR-1014 (US), APR-1015A (EU), APR-1018A (UK).
  - WAS-1499 straight Ethernet cable.
  - WAS-1498 crossover Ethernet cable.
  - WAS-P0004(B) DB9M-to-DB9F serial cable (device-to-PC).
  - WAS-P0005(B) DB9F-to-DB9F serial cable (device-to-device).

## Functionality

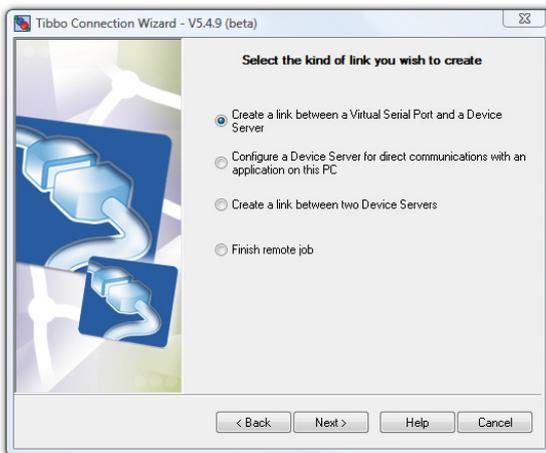
- Full- and half-duplex serial port modes.
- Server, client, and server/client network ("routing") modes.
- Numerous other options for connections, serial port, etc.
- Configuration stored in the EEPROM.

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## Functionality (continued)

- Detailed status indication via LEDs.
- Setup through the serial port or network (UDP).
- Remote control of RTS, CTS, DTR, and DSR lines
- “On-the-fly” commands for immediate serial port configuration.
- Serial-side “modem” commands for network connections control.
- Direct control of ADSL modems.
- Supports UDP, TCP, ARP, ICMP (ping), DHCP, PPPoE, LCP

## Tibbo Device Server Toolkit (TDST) Software



All Tibbo device servers are supplied with free software which includes:

**Connection Wizard:** guides you step-by-step through creating data links between a computer and a device server, or between two device servers.

**DS Manager:** used to locate, setup, manage, monitor, and upgrade Tibbo device servers and compatible devices.

**Virtual Serial Port Driver (VSPD):** turns serial ports of Tibbo device servers into remote COM ports of your PC.

**Tibbo Monitor:** logs the activity of Virtual Serial Ports.

For more information, see <http://soi.tibbo.com/tdst.html>