



UDS200 Device Server

- ▶ Remotely monitors, manages and controls serial devices over Ethernet
- ▶ Replace limited-distance point-to-point serial connections
- ▶ Two RS-232 serial ports pinned the same as a standard PC
- ▶ Configurable with included Windows® software or via built-in Web server
- ▶ Compact size enables it to fit almost anywhere

Remotely monitor, manage and share connected devices over a network or the Internet

The UDS200 Device Server lets you connect serial devices to IP-based Ethernet networks, quickly and easily. Powered by DSTni-LX, the Lantronix Device Networking chip, the UDS200 lets you replace limited distance, point-to-point serial connections.

Using a method called serial tunneling, the UDS200 encapsulates serial data into packets and transports it over Ethernet. Using two UDS200s, connected by a network, virtual serial connections can be extended across a facility or around the world.

Our approach to network-enabling devices is transparent to your attached devices and software. So, you won't need to change the way you work, and there's no need to develop special software to take advantage of Ethernet networking.

The included redirection software simplifies your integration process by extending the functionality of your COM port-based Windows® applications. With virtual COM ports, mapped to remote Device Servers on the network, you can replace direct serial connections.

In modem emulation mode, the UDS200 is used to replace dial-up modems. The unit accepts modem AT

commands on the serial port, then establishes a network connection to the end device, leveraging network connections and bandwidth to eliminate dedicated modems and phone lines.

The UDS200 even includes a built-in Web server, which can be used for configuration, or to display operating and troubleshooting information on the attached links to online support.

Where there's a need for custom user interfaces and a desire to use familiar tools, the UDS200 can serve Java applets to a user's Web browser. In this role, the UDS200 becomes a conduit between you and your device over the network or Internet.

The included Windows-based configuration software simplifies installation and setup. The UDS200 can also be set up locally through its serial port, or remotely over a network using Telnet or a Web browser.

Flash memory provides for maintenance-free non-volatile storage of Web pages, and allows future system software upgrades.

If you're looking for a transparent, cost-effective, and scalable means to network-enable your serial devices, look no further than Lantronix.





Features

Serial Interface

Interface: RS-232
 Connectors: 2 DB9 (male, DTE configuration)
 Data Rates: 300 to 115,200 bps
 Characters: 7 or 8 data bits
 Parity: odd, even, none
 Stop Bits: 1 or 2
 Control Signals: RTS, CTS, DSR, DTR, DCD
 Flow Control: XON/XOFF, RTS/CTS

Network Interface

Interface: Ethernet 10Base-T/100Base-TX
 Connector: RJ45
 Standards: ARP, UDP/IP, TCP/IP, ICMP, SNMP,
 AutoIP, DHCP, TFTP, Telnet and HTTP

Indicators (LED)

Power, 10 Link/Activity (green), 100 Link/Activity (green), Diagnostics (red), Status channel 1 (green), Status channel 2 (red)

Processor

CPU: DSTni-LX (enhanced 80186, 48 MHz)
 Memory: 256 Kbytes SRAM, 1 Mbyte flash

Management

Lantronix DeviceInstaller GUI, Serial login, SNMP, Telnet login, HTTP

Internal Web Server

Provides static Web pages and Java applets
 Storage capacity: 896 Kbytes

Power

Input: 9 to 30 VDC
 9 to 24 VAC
 Consumption: 2 W max.
 AC adapter included (see ordering information below)

Environmental

Operating: 5° to 50° C (41° to 122° F)
 Storage: -40° to 66° C (-40° to 151° F)

Packaging

Material: Metal case with flange mount
 Dimensions: 23 x 72 x 95 mm (0.9 x 2.8 x 3.7 in)
 Weight: 0.4 kg (0.9 lbs)

Agency Approvals

FCC-B, C/UL, CSA, CE, TUV

Warranty

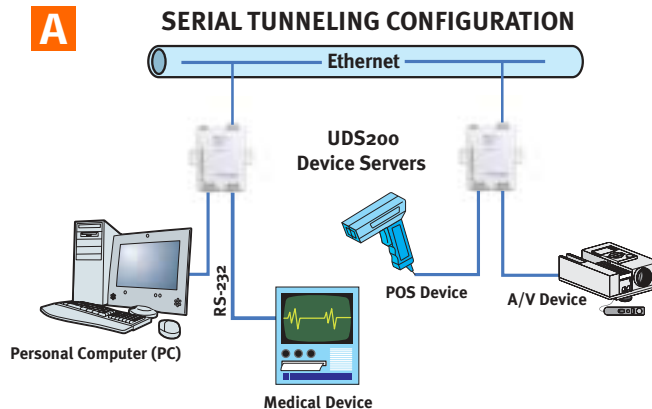
1-year limited warranty

Shipping Dimensions

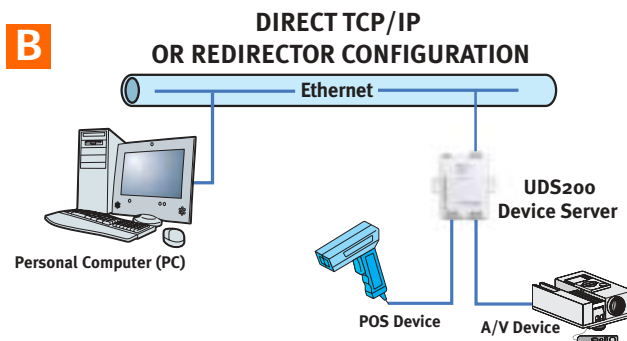
Dimensions: 115 x 242 x 191 mm (4.5 x 9.5 x 7.5 in)
 Weight: 1.5 kg (3.0 lbs)

Example Configurations

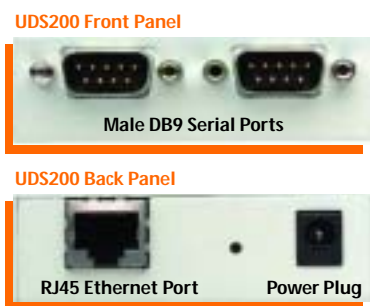
A



B



C



Included Software

Windows® 98/ME/NT/2000/XP-based configuration software, Com Port Redirector™ software, and related utilities

Ordering information

UDS200-01 (115 VAC, 50/60 Hz adapter)
 UDS200-02 (100-240 VAC, 50/60 Hz Intl. adapter)

Device Server: 2 DB9 RS232 DTE serial ports, 10Base-T/100Base-TX Ethernet, diagnostic LEDs, AC power adapter, CD-ROM with configuration tools and documentation, printed Quick Start Guide

