



- Remotely monitor, manage and control serial devices over Ethernet
- Replace limited-distance point-to-point serial connections
- Software selectable RS-232, RS-422 or RS-485 interface
- 10Base-T / 100Base-TX Ethernet
- Configurable with included Windows™ software or via built-in web server
- Fits anywhere – smaller than a deck of playing cards

## Device Server

The UDS100 Device Server lets you connect serial devices to IP-based Ethernet networks, quickly and easily.

Powered by DSTni-LX, Lantronix' own Device Networking chip, the UDS100 lets you replace limited distance, point-to-point serial connections. Now, you can remotely monitor, manage, and share connected devices over a network or the Internet.

Using a method called serial tunneling, the UDS100 encapsulates serial data into packets and transports it over Ethernet. Using two UDS100s, 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.

Used to replace dial-up modems, the UDS100 eliminates the need and expense of analog phone lines. In modem emulation mode, the unit accepts AT-style commands, presenting an intelligent modem interface to attached devices. The UDS100 even includes a built-in web server, which can be used for configuration, or to display operating and

troubleshooting information on the attached device. When attached to the Internet, it provides links to online support.

Where there's a need for custom user interfaces and a desire to use common and familiar tools, the UDS100 can serve Java applets to a user's web browser. As such, the UDS100 becomes a conduit between you and your device over the network or Internet.

The included Windows™ based configuration software simplifies installation and setup. The UDS100 can also be setup locally through its serial port, or remotely over a network using telnet or a web browser.

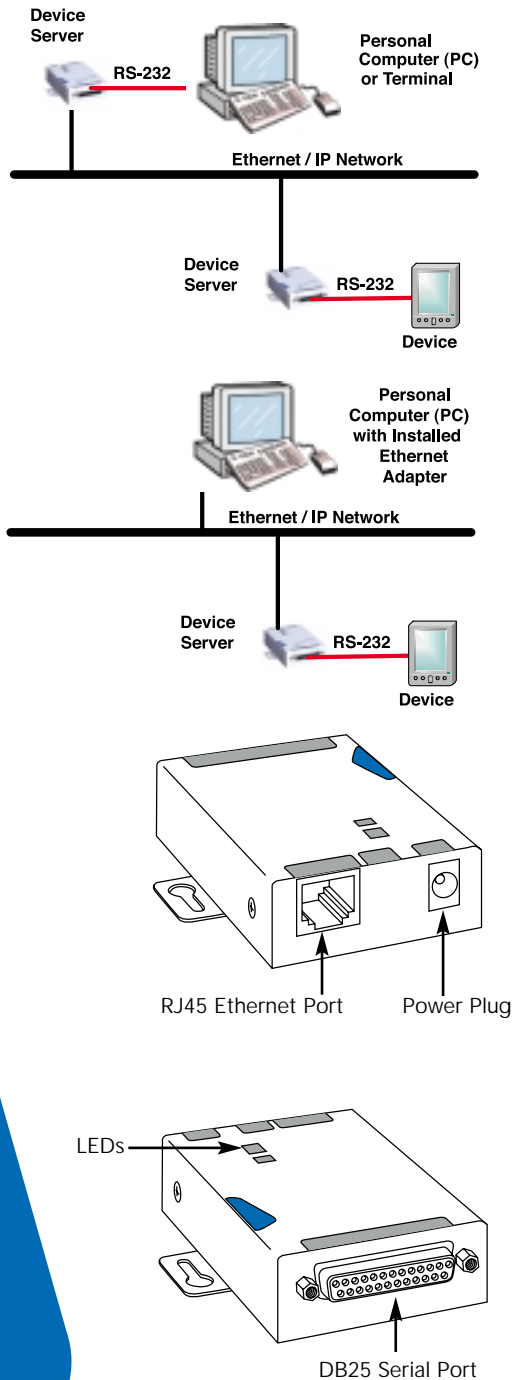
Flash memory provides for maintenance-free non-volatile storage of web pages, and allows future system software upgrades.

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

UDS100

Device Servers

## Example Configurations



### Serial Interface

Interface: RS-232, RS-422 or RS-485 (2/4 wire)  
 Connector: DB-25 (female, DCE 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)

10 Link/Activity (green),  
 100 Link/Activity (green),  
 Collision (red), Diagnostics (red),  
 Status (green)

### Processor

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

### Management

Serial login, SNMP, telnet login, internal web server

### Internal Web Server

Uses: Serve static web pages and Java applets  
 Storage capacity: 896 KBytes

### Power

Input: 9 to 30 VAC/VDC  
 Consumption: 1 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 64 x 90 mm (0.9 x 2.5 x 3.5 in)  
 Weight: 0.35 kg (0.8 lbs)

### Agency Approvals

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

### Warranty

5-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)

### Included Software

Included Windows™ 98/ME/NT/2000/XP based configuration software, Comm Port Redirector™ software, and related utilities

### Ordering Information

UDS100-01 (115 VAC, 50/60 Hz adapter)  
 USD100-02 (100-240 VAC, 50/60 Hz Intl. adapter)

Device Server: serial interface (RS-232, RS-422, RS-485), 10Base-T/100Base-TX Ethernet, diagnostic LEDs, AC power adapter, CD-ROM with configuration tools and documentation, printed Quick Start Guide.

UDS100



Specifications

Distributeur

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