



## Commercial Device Servers

- ▶ Replace expensive dedicated PCs with fast and reliable networking technology
- ▶ Compact size enables it to fit almost anywhere
- ▶ Supports RS-232, RS-422 and RS-485 serial connections
- ▶ 10Mbps or 10/100 Mbps Ethernet through an RJ45 connector
- ▶ Configure via HTTP, DHCP, Telnet or serial
- ▶ Flash ROM for easy upgrades

## Remotely Monitor, Manage and Share Devices Over a Network or the Internet

In today's economy, faster and better access to information can mean the difference between success and failure. The UDS-10 and UDS100 single-port device servers provide a quick, simple and cost-effective way to bring the advantages of data accessibility and remote management to equipment not currently connected to a network.

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. And with the UDS-10(10Base-T) and UDS100(100Base-T/100Base-TX) any piece of equipment with a serial port can be added to the network in a matter of minutes!

Using a method called serial tunneling, UDS encapsulates serial data into packets and transports it over Ethernet. Using two UDS Device Servers™ connected by a network, virtual serial connections can be extended across a facility or around the world. So you can manage your equipment from virtually anywhere over Ethernet or the Internet.

The included redirection software extends 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.

### Easy to Set Up and Use

The included Windows-based configuration software simplifies installation and setup. The UDS-10 and UDS100 can also be set up locally through the serial port, or remotely over a network using Telnet or a web browser.

The UDS 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.

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

### Modem Replacement

In modem emulation mode, the UDS-10 and UDS100 can be 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.

If you're looking for a transparent, cost-effective, and scalable means to network-enable your serial devices, look no further than the UDS-10 and UDS100.





## Features

### Protocols Supported

ARP, UDP, TCP, Telnet, ICMP, SNMP, DHCP, TFTP, and HTTP

### Device Support

Supports any asynchronous serial device with 7 or 8-bit data, with or without parity requiring Ethernet access

### Network Interface

RJ45 (10Base-T) Ethernet (UDS-10)

RJ45 (10Base-T/100Base-TX) Ethernet (UDS 100)

### Serial Interface

DB25F, RS-232/RS-422/RS-485 serial port with DCE configuration

### Data Rates

Serial speeds 300 bps to 115 Kbps

### Modem Controls

RTS, CTS, DSR, DCD, DTR

### Flow Control

Software XON/XOFF  
Hardware CTS/RTS

### Management

Internal HTTP server  
SNMP (read only)  
Serial login  
Telnet login

### Firmware

Flash ROM standard; downloadable from a TCP/IP host (TFTP) or over the serial port

### Indicators (LED)

Good Link (green)  
Network transmit/Receive data (yellow)  
Collisions (red)  
Diagnostic (red)  
Status (green)

### Power

Power input via standard barrel connector or DB25 serial connector  
Input Range: 9 to 30 VDC or 9 to 24 VAC @ 1W max

### Environmental

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

### Physical

Dimensions: 9.0 x 6.4 x 2.3 cm (3.5 x 2.5 x 0.9 in)  
Weight: .35 Kg (.8 lb)  
Shipping Dimensions: 24.2 x 19.1 x 11.5 cm (9.5 x 7.5 x 4.5 in), Weight: 1.5 kg (3.0 lb)

### Agency Approvals

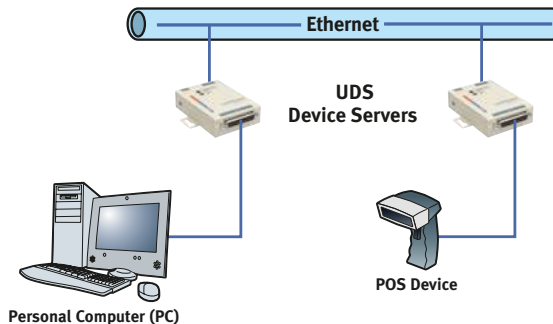
CE, FCC B, TUV, C/UL

### Warranty

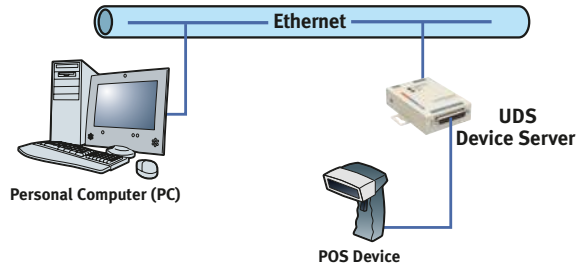
1-year limited warranty

## Example Configurations

### SERIAL TUNNELING CONFIGURATION



### DIRECT TCP/IP OR REDIRECTOR CONFIGURATION



## Ordering Information

UDS-10-01	Device Server, 1 DB25 (RS-232/RS-485/RS-422) DCE serial port, RJ45 (10Base-T) network ports, diagnostic LEDs, installation guide, external 110 VAC power supply
UDS-10-02	Same as above with 100-240 VAC power supply with international adapters
UDS-M-SBC	Optional male DB25 to screw terminal block connector
UDS-100-01	Device Server, 1 DB25 (RS-232, RS-422, RS-485) DCE serial port, RJ45 (10Base-T/100Base-TX) network ports, diagnostic LEDs, installation guide, external 110 VAC power supply
UDS-100-02	Same as above with 100-240 VAC power supply with international adapters

# LANTRONIX®

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