

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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Full-service, independent repair center
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LANTRONIX®



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

UDS-10/UDS100

Device Server™

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

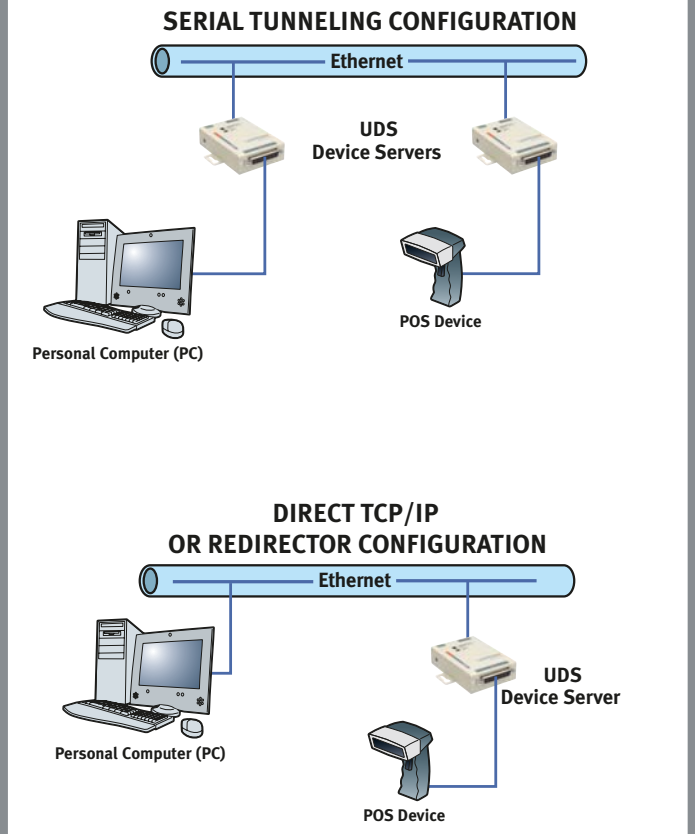
Environmental
Operating: 5° to 50° C (41° to 122° F)
Storage: -40° to 66° C (-40° to 151° F)

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



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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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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