

# UDS1100/2100 Family

## Serial Device Servers

### RELIABLE DEVICE SERVERS FOR AFFORDABLE SERIAL-TO-ETHERNET CONNECTIVITY

The UDS family of device servers provides a hassle-free and inexpensive way to add Ethernet connectivity to virtually any device with a serial interface. Designed from the ground up with ease-of-use in mind, each member of the UDS family enables users to connect to, monitor, and control their equipment from practically anywhere via a network or the Internet.

Available in one and two-port models, and equipped with flexible power options including PoE, the UDS makes it simple to network-enable equipment without changing the way you work. Supplied with Lantronix' TruPort® COM Port Redirector software, UDS creates a fully transparent serial connection to existing PC-based software applications—making it possible to remotely connect to equipment already in the field as if it were connected to a local PC serial port.

Additionally, every UDS is equipped with a built-in web server that allows users the flexibility to access, control, and configure remote equipment using a standard web browser.



- + Provides a simple and cost effective serial-to-Ethernet connectivity solution for virtually any device with an RS-232/422/485 serial interface
- + Delivers flexible power configurations eliminating the need for costly power converters
- + Simplifies deployment with a tightly integrated, proven form factor rated for use under harsh conditions
- + Enables interoperability with a versatile collection of ready-to-use networking protocols
- + Provides new business intelligence from network-enabled equipment

DeviceLin<sup>™</sup>x

LANTRONIX<sup>®</sup>

Think it. Connect it. Control it.

## FEATURES

- + **Serial Interface**
  - Modes: RS232, RS422 or RS485 (2- and 4-wire configurations supported)
  - Baud rate: 300 bps to 921.6 Kbps
  - Characters: 7 or 8 data bits
  - Stop Bits: 1 or 2
  - Parity: odd, even, none
  - Flow Control: CTS/RTS, XON/XOFF
- + **Serial Connectors**
  - UDS1100 (Single-port): 1 x DM25F (DCE)
  - UDS2100 (Dual-port): 2 x DB9M (DTE)
- + **Ethernet Interface**
  - Interface: 10Base-T/100Base-T
  - Speed: 10/100/Auto Mbps
  - Connector: RJ45
  - Protocols: ARP, UDP, TCP, ICMP, Telnet, TFTP, AutoIP, DHCP, HTTP, SNMP TCP, UDP, and Telnet, TFTP, RFC2217
- + **LED Indicators**
  - Power, Link, Activity, RX Activity, TX Activity
- + **Processor**
  - CPU: Lantronix DSTNI-EX 48 MHz clock
  - Memory: 256 KB SRAM, 2 MB Flash
- + **Power Requirements**
  - Input supply: 9-30 VDC (PoE only available on UD1100Po-01 version)
  - Power Consumption: 1.8 Watts maximum
- + **Environmental Limits**
  - Operating temperature: 0° to 60° C (32° to 140° F)
  - Storage temperature: -40° to 85° C (-40 to 185° F)
  - Operating Humidity: 10% to 90%
  - Storage Humidity: 10% to 90%
- + **Form Factor**
  - Housing: Metal enclosure with integrated wall mounts (optional 35 mm DIN-rail mount available)
  - Dimensions: 9.5 x 7.2 x 2.3 cm (3.7 x 2.8 x 0.9 in)
  - Weight: 0.4 kg (0.9 lb)
  - IP Rating: 30
- + **Agency Approvals**
  - FCC, C/UL, CSA, VCCI, CE, TUV, CTick
- + **Warranty**
  - 2-year limited warranty
- + **Shipping Dimensions**
  - Dimensions: 35.5 x 17.1 x 7.6 cm (14 x 6.75 x 3 in)
  - Weight: 1.5 kg (3.0 lbs)
- + **Software**
  - Windows 98/ME/NT/2000/XP/Vista (32-bit versions) DeviceInstaller configuration software, Com Port Redirector software and related utilities
  - Configuration Options: Web browser, Telnet client, Serial Terminal
- + **Regulatory**
  - FCC Part 15 Subpart B Class A
  - ICES-003 Issue 4 February 2004 Class A
  - AS/NZS CISPR 22: 2006 Class A
  - EN55022: 1998 + A1: 2000 + A2: 2003 Class A
  - UL 864: indoor dry environments (UDS1100 only)
  - VCCI V-3/2006.4 Class A
  - EN61000-3-2: 2000 Class A
  - EN61000-3-3: 1995 + A1: 2001

- EN55024: 1998 +A1: 2001 +A2: 2003
- IEC\_61000-4-2: 1995 8KV Air, 4KV Contact
- IEC\_61000-4-3: 1995 3.0V/m, 1KHz AM Sine Wave at 80%
- IEC\_61000-4-4: 1995 1.0KV Power Lines, 0.5KV I/O Lines
- IEC\_61000-4-5: 1995 1.0KV Common, 1.0 KV Differential
- IEC\_61000-4-6: 1996 3.0 Vrms, 80% AM Modulated (1KHz)
- IEC\_61000-4-8: 1993 50Hz 1.0 Arms/m
- IEC\_61000-4-11: 1994 (95%,0.5), (30%,25), (95%,250)

### + Isolation

- Power Input: Up to non-repeated 600W 10/100 usec pulse protection against transient over voltages
- Serial Port(s): 15 KV ESD protection
- Ethernet Port: 1500 VAC isolation with shield connected to chassis ground

## ORDERING INFORMATION

+ Part Number	+ Description
UD1100001-01	<b>UDS1100 one-port device server</b> <ul style="list-style-type: none"> <li>- US domestic 110 VAC power supply</li> <li>- Six-foot DB9F-to-DB25M serial cable (P/N 500-163-R)</li> <li>- CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector)</li> <li>- Quick Start Guide</li> </ul>
UD1100002-01	<b>UDS1100 one-port device server</b> <ul style="list-style-type: none"> <li>- 100-240 VAC International power supply with regional adapters</li> <li>- Six-foot DB9F-to-DB25M serial cable (P/N 500-163-R)</li> <li>- CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector)</li> <li>- Quick Start Guide</li> </ul>
UD11000Po-01	<b>UDS1100 one-port device server with PoE</b> <ul style="list-style-type: none"> <li>- Six-foot DB9F-to-DB25M serial cable (P/N 500-163-R)</li> <li>- CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector)</li> <li>- Quick Start Guide</li> </ul>
UD110000B-01	<b>UDS1100 one-port device server</b> <ul style="list-style-type: none"> <li>- (Board only – no enclosure)</li> </ul>
UD2100001-01	<b>UDS2100 two-port device server</b> <ul style="list-style-type: none"> <li>- US domestic 110 VAC power supply</li> <li>- DB9F-to-DB9F Null Modem cable (P/N 500-164-R)</li> <li>- CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector)</li> <li>- Quick Start Guide</li> </ul>
UD2100002-01	<b>UDS2100 two-port device server</b> <ul style="list-style-type: none"> <li>- 100-240 VAC International power supply with regional adapters</li> <li>- DB9F-to-DB9F Null Modem cable (P/N 500-164-R)</li> <li>- CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector)</li> <li>- Quick Start Guide</li> </ul>
500-163-R	<b>DB9F-to-DB25M serial cable</b>
500-164-R	<b>DB9F-to-DB9F Null modem cable</b>
500-171-R	<b>DB25M-to-RS485 and power input terminal adapter</b>
ACDIN1001-01	<b>DIN-rail mount UDS1100</b>
ACDIN2001-01	<b>DIN-rail mount UDS2100</b>



### CORPORATE HEADQUARTERS

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920-006 08/09