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**

DeviceLinx™

LANTRONIX®

Think it. Connect it. Control it.

DeviceLinx™

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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 UD11000P0-01 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	**UDS1100 one-port device server** - US domestic 110 VAC power supply - Six-foot DB9F-to-DB25M serial cable (P/N 500-163-R) - CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector) - Quick Start Guide
UD1100002-01	**UDS1100 one-port device server** - 100-240 VAC International power supply with regional adapters - Six-foot DB9F-to-DB25M serial cable (P/N 500-163-R) - CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector) - Quick Start Guide
UD11000P0-01	**UDS1100 one-port device server with PoE** - Six-foot DB9F-to-DB25M serial cable (P/N 500-163-R) - CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector) - Quick Start Guide
UD110000B-01	**UDS1100 one-port device server** - (Board only – no enclosure)
UD2100001-01	**UDS2100 two-port device server** - US domestic 110 VAC power supply - DB9F-to-DB9F Null Modem cable (P/N 500-164-R) - CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector) - Quick Start Guide
UD2100002-01	**UDS2100 two-port device server** - 100-240 VAC International power supply with regional adapters - DB9F-to-DB9F Null Modem cable (P/N 500-164-R) - CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector) - Quick Start Guide
500-163-R	**DB9F-to-DB25M serial cable**
500-164-R	**DB9F-to-DB9F Null modem cable**
500-171-R	**DB25M-to-RS485 and power input terminal adapter**
ACDIN1001-01	**DIN-rail mount UDS1100**
ACDIN2001-01	**DIN-rail mount UDS2100**

RoHS WEEE COMPLIANT

LANTRONIX®

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