

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

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 UD11000Po-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 |
| UD11000Po-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 |



CORPORATE HEADQUARTERS

167 Technology Drive | Irvine | CA 92618 | USA | t: 800.422.7055 | f: 949.450.7232 | sales@lantronix.com | www.lantronix.com

©2009, Lantronix, Inc. Lantronix is a registered trademark, and DeviceInstaller, Evolution OS and Com Port Redirector are trademarks of Lantronix, Inc. All other trademarks are the property of their respective owners. Specifications subject to change without notice. All rights reserved.