UDS1100/2100 Family

Device Servers

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's 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.

EDS1100/2100:

- 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

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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

Learn more at lantronix.com/uds1100-2100

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