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: RTS/CTS, 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
- UL 664: indoor dry environments (UDS1100 only)
- VCCI V-3/2006.4 Class A
- IEC_61000-3-2: 2000 Class A
- 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 Common, 1.0 KV Differential
- IEC_61000-4-6: 1996 3.0 Vrms, 80% AM Modulated (kHz)
- IEC_61000-4-8: 1993 50HZ 1.0 Arms/m
- IEC_61000-4-11: 1994 (95%,0.5), (30%,25), (95%,25)

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 500-161-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 500-161-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 500-161-R)
- CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector)
- Quick Start Guide

UD11000B-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-DtDb9f 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-DtDb9f Null modem cable (P/N 500-164-R)
- CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector)
- Quick Start Guide

UD21000Po-01 + UDS2100 two-port device server
- 100-240 VAC International power supply
- Db9f-to-DtDb9f Null modem cable (P/N 500-164-R)
- CD Includes: User Guide and Software utilities (DeviceInstaller and Com Port Redirector)
- Quick Start Guide

ACDIN1001-01 + DIN-rail mount UDS1100

ACDIN2001-01 + DIN-rail mount UDS2100

RETAIL PACKAGING
UDS1100/2100 Family

+ Serial Interface + Ethernet Interface + LED Indicators
+ Processor + Power Requirements + Environmental Limits
+ Form Factor + Agency Approvals + Warranty
+ Shipping Dimensions + Software + Regulatory
+ Ordering Information

920-006 08/09
Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lantronix:

UD1100001-01  UD110000B-01  UD1100NL2-01  UD2100001-01  500-163  UD1100BP2-01  UD1100002-01
UD1100BP0-01  UD2100002-01  UD1100P0-01