



Industrial Device Servers

- ▶ Choose from several supplied Industrial Communications Protocols or the Standard Tunneling Serial Protocol
- ▶ Connect enterprise (ERP, MES) systems to factory floor devices without disturbing existing control networks
- ▶ Supports RS-232 and RS-422/485 serial connections at rates up to 115,200 bps
- ▶ 10Base-T Ethernet/100Base-TX (RJ45)
- ▶ Compact size enables it to fit almost anywhere
- ▶ Universal 100 to 240 VAC power adapter included

Remotely Manage PLCs, AC/DC Drives, Process Controls, Power Monitoring Equipment, Barcode Scanners and Other Factory Floor Serial Devices

UDS-10-IAP and UDS100-IAP device servers enable virtually any serial device to be connected to a new or existing 10Base-T or 100Base-TX Ethernet network. Both compact and economical, they provide a quick, simple and cost-effective way to bring the advantages of data accessibility and remote management to thousands of devices.

The UDS-10-IAP and UDS100-IAP are members of our IAP (Industrial Automation Platform) family of products, which are loadable with various Industrial Communications Protocols. You simply choose the appropriate protocol that the application requires, and load it into any IAP family device server. Continuous addition of Industrial Communications Protocols will expand the number of applications where our IAP products can be used.

By encapsulating serial data and transporting it over Ethernet, the UDS-10-IAP and UDS100-IAP allow virtual serial links to be established over Ethernet. Limited distance and point-to-point direct serial connections can now be extended within the plant, throughout the facility, or across the global enterprise. In addition, when used in

conjunction with an OPC server, most Windows®-based HMI, SCADA and PC-based control applications have full access to information in the connected device.

Existing Com Port-based Windows applications can access network-enabled devices, using Lantronix's Com Port Redirector software. Com Port Redirector creates virtual serial ports which can be mapped to remote device servers over Ethernet.

Installable communication drivers allow specific support for various Industrial Communication Protocols. With native support for these protocols, devices that previously allowed only one connection can now support multiple connections simultaneously.

Easy Setup and Configuration

Flexible configuration options allow the unit to be set up locally using the serial port, or remotely over Ethernet using Telnet or a common web browser. The included Windows-based configuration software further simplifies the process of installing communication drivers by configuring them for use with attached devices. Flash memory provides maintenance-free, non-volatile storage, and accommodates future system upgrades.





Serial Interface

Interface: RS-232, RS-422 or RS-485
 Connector: DB25, DCE configuration
 Data Rates: 300 to 115,200 bps
 Characters: 7 or 8 data bits
 Parity: odd, even, none
 Stop Bits: 1
 Flow Control: XON/XOFF, RTS/CTS
 Control Signals: RTS, CTS, DSR, DCD, DTR
 Installable serial protocols

Network Interface

Standards: ARP, UDP/IP, TCP/IP, ICMP, SNMP, BOOTP, DHCP, TFTP, Telnet and HTTP
 Interface: 10Base-T/100Base-TX Ethernet
 Connector: RJ45
 Installable application layer protocols

Indicators

Link (green), Network transmit/receive (yellow), Collision (red), Diagnostic (red), Status (green)

Management

SNMP, serial, Telnet and HTTP (web browser)

Power

Input: 9 to 30 VDC, 250 MA max, Universal 100 to 240 VAC, 50/60 Hz power adapter included

Environmental

Operating: 5° to 50°C (41° to 122°F)
 Storage: -40° to 66°C (-40° to 151°F)

Unit Packaging

Mounting: Flange
 Material: Metal case
 Dimensions: 23 x 64 x 90 mm (0.9 x 2.5 x 3.5 in)
 Weight: 0.35 kg (0.8 lbs)

Agency Approvals

CE, FCC B, TUV, C/UL

Warranty

1-year limited warranty

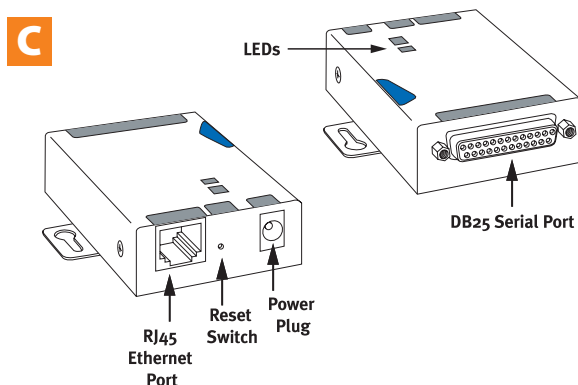
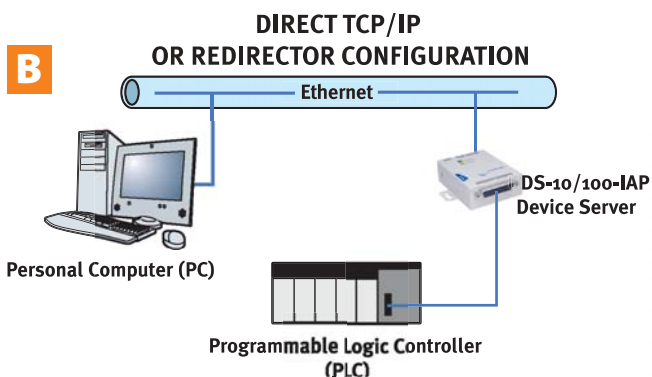
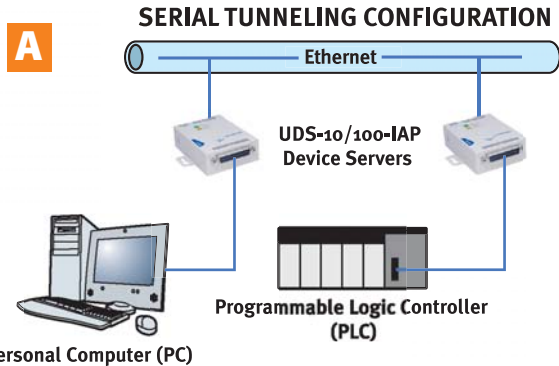
Software

Included Windows® 95/98/ME/NT/2000/XP-based configuration software simplifies initial setup

Shipping

Dimensions: 115 x 242 x 191 mm (4.5 x 9.5 x 7.5 in)
 Weight: 1.5 kg (3.0 lbs)

Example Configurations



Ordering Information

- UDS-10-IAP Device server, DB25 (RS-232, RS-422/485) DCE serial port, RJ45 (10-Base-network port, diagnostic LEDs, CD-ROM with configuration tools, installable communication drivers and installation guide.
- UDS100-IAP Device server, DB25 (RS-232, RS-422/485) DCE serial port, RJ45 (10-Base-T/100Base-TX) network port, diagnostic LEDs, CD-ROM with configuration tools, installable communication drivers and installation guide.
- UDS-M-SBC Male DB25 to RS-422/485 screw block connector.



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