

TCP/IP EtherPad Connectivity

technical



WHAT IS THE ETHERPAD CAPABLE OF DOING?

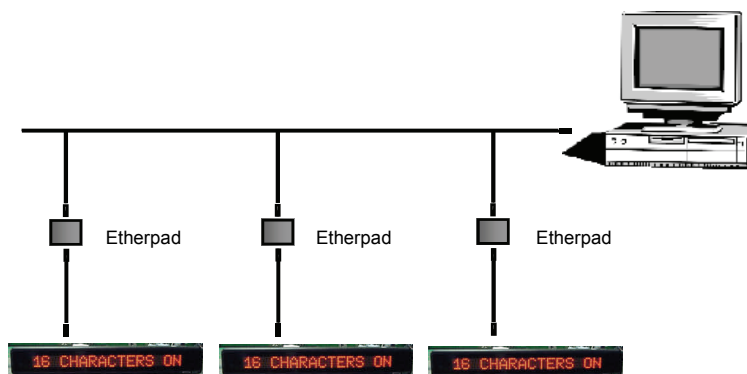
An EtherPAD can connect virtually any electronic device with a serial interface (a serial device) to an TCP/IP Ethernet network. This means you can control your LEDsynergy electronic display from a remote location as long as your serial device, usually a PC and your EtherPAD is connected to an Ethernet network.

UDS-10 DEVICE SERVER

In today's Internet economy, faster and better access to information can mean the difference between success and failure. But what about the thousands of devices out there that lack network connectivity and can't communicate over Ethernet networks? Expensive PCs can get the job done in some cases, but why pay for a bulky PC when all you need is cost-effective network connectivity?

The Lantronix® UDS-10 Device Server provides a quick, simple and cost effective way to bring the advantages of data accessibility and remote management to thousands of devices that cannot connect to the network.

- Replace expensive dedicated PCs or lengthy serial cables with fast and reliable networking technology.
- Compact size, smaller than a deck of playing cards
- Supports RS232, RS422 and RS485 serial connections via its DB-25 serial port
- 10 Mb/s Ethernet through the RJ-45 connector
- Configure via HTTP, SNMP, DHCP or Telnet
- Flash ROM for easy software Upgrades



Each display can have its own IP address

SPECIFICATIONS

Protocols Supported

ARP, UDP, TCP, Telnet, ICMP, SNMP, DHCP, TFTP, and HTTP

Device Support

Supports any asynchronous serial device with 7 or 8-bit data, with or without parity requiring Ethernet access

Network Interface

RJ45 (10BASE-T) Ethernet

Serial Interface

Female DB25 RS-232/RS-422/RS-485 serial port with DCE configuration

Data Rates

Serial speeds 300 bps to 115Kbps

Modem Controls

RTS, CTS, DSR, DCD, DTR

Flow Control

Software XON/XOFF
Hardware CTS/RTS

Management

Internal HTTP server
SNMP (read only)
Serial login
Telnet login

Firmware

Flash ROM standard; downloadable from a TCP/IP host (TFTP) or over the serial port

LEDs

Good Link (green)
Network transmit/Receive data (yellow)
Collisions (red)
Diagnostic (red)
Status (green)

Physical Dimensions (H x W x D)

0.9 x 2.5 x 3.5 in
(2.3 x 6.4 x 9.0cm)
Weight: .8 lbs (.35 Kg)

Shipping Dimensions (H x W x D)

4.5 x 9.5 x 7.5 in
(11.5 x 24.2 x 19.1 cm)
Weight: 3.0 lbs(1.5 Kg)

Power Requirements

External adapter included as 110 VAC (-01 models) or 230 VAC (-02 models)
Required input power of 9 - 30 VDC @ 250mA max.

Environmental

Operating Temperature 5° to 50°C (41° to 122°F)

Storage Temperature

-40° to 66°C (-40° to 151°F)

Agency Approvals

CE, FCC B, TUV, C/UL

Warranty

5-year limited warranty

Ordering Information

UDS-10-01

Device server, 1 DB25 (RS-232/RS-485/RS-422) DCE serial port, RJ45 (10BASE-T) network ports, diagnostic LEDs, installation guide, external 110VAC power supply

UDS-10-02

Same as above with 230VAC power supply

UDS-M-SBC (optional)

Male DB25 to RS-485 screw block connector

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