

NETWORK CONNECTIVITY FOR ANY SERIAL DEVICE ‘RIGHT ON THE WIRE’

xDirect™ is a sleek and compact Serial-to-Ethernet device server, providing quick and easy Ethernet connectivity to virtually any device or machine with a serial interface.

With an integrated Ethernet port and serial cable, multiple power options including PoE, and an industry-best five year warranty, xDirect provides a portable, extremely flexible, and highly affordable network connectivity solution.

xDirect comes with a built-in web server that enables users to access and configure the unit using a standard web browser on a PC, smartphone, or tablet from anywhere.

With plug-and-play simplicity, small form factor, multiple power options, and a robust device server application, xDirect provides the easiest and shortest path to network connectivity ‘right on the wire’.



xDirect Highlights:

- Complete Network Connectivity Solution
- Integrated 10/100 Ethernet Port and Serial Cable
- Complete Device Server Application with Full IP Stack and Web Server
- Space Saving Form Factor
- Serial Data Rate of up to 921.6 Kbps
- 128/192/256-bit AES Encryption
- Flexible Power Options including PoE
- Extended Temperature Range of -40° to 85°C
- 5-year Limited Warranty

Features and Specifications

> Serial Interface

- Modes: RS232, RS422* or RS485* (2 and 4 wire support)
- Baud Rate: 300bps to 921.6 Kbps
- Characters: 7 or 8 data bits
- Stop Bits: 1 or 2
- Parity: Odd, even, more
- Modem Control Signals: DTR, DSR/DCD
- Flow Control: XON/XOFF (software), CTS/RTS (hardware)

*Available on xDirect485 & PoE models

> Serial Connectors

- Single-port: DB9F (DCE Pinned)

> Ethernet Interface

- Interface: 10Base-T /100Base-T (Auto-sensing)
- Speed: 10/100 Mbps
- Connector: RJ45
- Protocols: UDP, TCP, ARP, Telnet, ICMP, SNMP, DHCP, BOOTP, TFTP, Auto IP, HTTP, Telnet Com Port Control

> LED Indicators

- Power/Status, Link, Activity, Serial RX Activity & TX Activity

> Processor

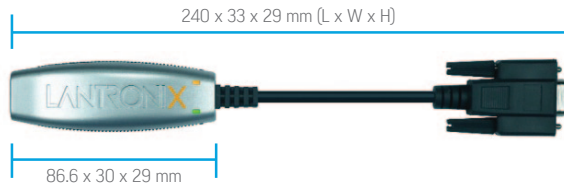
- CPU: Based on DSTni-EX Enhanced 16-bit x86 Architecture
- Memory: 256 KB SRAM, 1 MB Flash

> Power Requirements

- Input Voltage: 5V at mini-USB-B jack
- Input Voltage: 5-15 VDC at DB9F pin 9
- Power Consumption: 1.3W max w/o PoE, 2.0W max with PoE

> Form Factor

- Dimensions:



- Weight: 0.068 Kg (0.15 lbs)

> Shipping Dimensions

- 180 x 130 x 53 mm (LxWxH)

> Environmental Limits

- Operating Temperature**
 - 40° to 85° C (-40° to 185° F), non-PoE models
 - 40° to 70° C (-40° to 158° F), PoE model
- Storage Temperature: -40° to 85° C (-40° to 185° F)
- Relative Humidity: 0% to 90% non-condensing

> Software

- Windows 7/Vista/XP/2008 Server/2003 Server (32-bit and 64-bit versions), DeviceInstaller™ configuration software, Com Port Redirector software and related utilities
- Configuration Options: Web Browser, Telnet Client, Serial Terminal

> Security

- 128/192/256-bit AES Encryption

> Isolation and Protection

- Serial Port: 15 KV ESD protection on RS232 and RS422/485 transceivers
- Ethernet Port: 1500 VAC isolation shielded
- PoE: 1500 VAC isolation

> Regulatory Approvals

• Emissions

- FCC Part 15, Subpart B, Class B
- EN55022, Class B
- EN61000-3-2, EN61000-3-3
- ICES-003 Issue 4
- AS/NZS CISPR22

• Immunity

- EN55024
- EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

• Agency Approvals

- UL 60950-1, 2nd Edition
- CAN/CSA C22.2 No. 60950-1-07, 2nd Edition
- CE
- VCCI
- C-Tick
- IEC 60950-1 2005, 2nd Edition

> Warranty

- 5-year Limited

Ordering Information

United States

Call: 800.422.7055

Email: sales@lantronix.com

Buy Online: <http://www.lantronix.com>

NASDAQ: LTRX

Europe

Call: +31 (0) 76.52.3.6.74 4

Email: EMEA@lantronix.com

Asia/Pacific

Call: +852 3428.2338

Email: asiapacific_sales@lantronix.com

Japan

Call: +81.3.6277.8802

Email: japan_sales@lantronix.com

> Part Number

XDT2321002-01-S

XDT4851002-01-S

XDT10P0-01-S

> Description

xDirect232 Single Port RS232 10/100 Device Server, 100-240 VAC International Power Supply with Regional Adapters, RoHS

xDirect485 Single Port RS232/422/485 10/100 Device Server, 100-240 VAC International Power Supply with Regional Adapters, RoHS

xDirect PoE Single Port RS232/422/485 10/100 Device Server, No Power Supply, RoHS

> Accessories

140-448-R

520-119-R

> Description

Mini DB9M-M Gender Changer, Null Modem with Pin 9, RoHS

Power Supply, 100-240 VAC, 50-60Hz, 5VDC 1A, Mini USB-B Right Angle, 4 Regional Adapters, Level V, RoHS



**The xDirect is UL rated to 75° C. The included power supply has an operating temperature range of 0° to 40° C. Extended temperature power supplies are available (refer to Ordering Information section).

Mouser Electronics

Authorized Distributor

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Lantronix:

[XDT10P0IA-01-S](#) [XDT4851002IA-01-S](#) [140-448-R](#)