

# 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 in the market.

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
- Control Signals: CTS/RTS (Hardware)
- Flow Control: CTS/RTS, XON/XOFF

\*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, RFC2217

### > LED Indicators

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

### > Processor

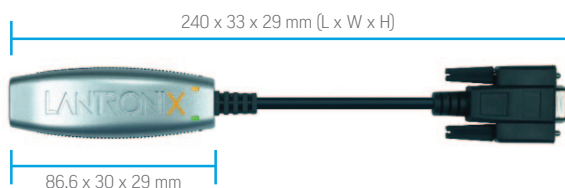
- CPU: Based on DSTni-EX Enhanced 16-bit x86 Architecture
- Memory: 256 KB SRAM, 1 MB Flash

### > 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>

### 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

520-125-R

520-120-R

520-121-R

520-122-R

520-123-R

### > Description

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

Power Supply, Slim Wall Cube, 5VDC 1A, Mini USB-B Right Angle, 4 Regional Adapters, Level V, RoHS

Power Supply, Slim Wall Cube, 5VDC 1A, -40°C to 75°C, Mini USB-B Right Angle, US/CAN/JP, RoHS

Power Supply, Slim Wall Cube, 5VDC 1A, -40°C to 75°C, Mini USB-B Right Angle, EU, RoHS

Power Supply, Slim Wall Cube, 5VDC 1A, -40°C to 75°C, Mini USB-B Right Angle, UK, RoHS

Power Supply, Slim Wall Cube, 5VDC 1A, -40°C to 75°C, Mini USB-B Right Angle, AUS, 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).