# NETWORK CONNECTIVITY FOR ANY SERIAL DEVICE 'RIGHT ON THE WIRE'

xDirect<sup>™</sup> 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**

• 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

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

• 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

### > 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, EN6100-4-3, 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 VCCI C-Tick

IEC 60950-1 2005, 2nd Edition

### > Warranty

• 5-year Limited

# **Ordering Information**

### **United States**

**Call:** 800.422.7055 Call: +31 (0) 76.52.3.6.74 4 **Email:** sales@lantronix.com **Email:** EMEA@lantronix.com Buy Online: http://www.lantronix.com

**NASDAQ: LTRX** 

### Asia/Pacific

**Call:** +852 3428.2338 **Call:** +81.3.6277.8802 **Email:** asiapacific\_sales@lantronix.com **Email:** japan\_sales@lantronix.com

### > Part Number

XDT2321002-01-S

Supply with Regional Adapters, RoHS XDT4851002-01-S xDirect485 Single Port RS232/422/485

> Description

10/100 Device Server, 100-240 VAC International Power Supply with Regional

xDirect232 Single Port RS232 10/100 Device Server, 100-240 VAC International Power

Europe

lapan

Adapters, RoHS

XDT10P0-01-S 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

















<sup>\*\*</sup>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).