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

LANTRONIX®

CONNECT SMART. DO MORE.

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, Telnet Com Port Control

> LED Indicators
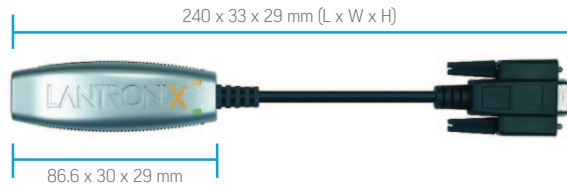- •Power/Status, Link, Activity, Serial RX Activity & TX Activity

> 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:

240 x 33 x 29 mm (L x W x H)

86.6 x 30 x 29 mm

- •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
  CE
  VCCI
  C-Tick
  IEC 60950-1 2005, 2nd Edition

> Warranty
- •5-year Limited

Ordering Information

> Part Number	> Description
XDT2321002-01-S	xDirect232 Single Port RS232 10/100 Device Server, 100-240 VAC International Power Supply with Regional Adapters, RoHS
XDT4851002-01-S	xDirect485 Single Port RS232/422/485 10/100 Device Server, 100-240 VAC International Power Supply with Regional Adapters, RoHS
XDT10P0-01-S	xDirect PoE Single Port RS232/422/485 10/100 Device Server, No Power Supply, RoHS

> Accessories	> Description
140-448-R	Mini DB9M-M Gender Changer, Null Modem with Pin 9, RoHS
520-125-R	Power Supply, Slim Wall Cube, 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).