xDirect®

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

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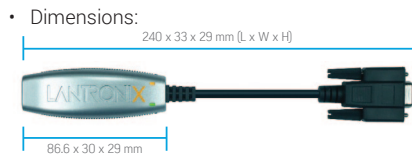
Processor
- CPU: Based on DSTni-EX Enhanced 16-bit x86 Architecture
- Memory: 256 KB SRAM, 1 MB Flash

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:

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

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
ACC-520-0180-00	Power Supply, 100-240 VAC, 50-60Hz, 5VDC 1A, Mini USB-B Right Angle, 4 Regional Adapters, Level VI, 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).