**NETWORK CONNECTIVITY FOR INDUSTRIAL AUTOMATION APPLICATIONS ‘RIGHT ON THE WIRE’**

xDirect™-IAP is a sleek and compact Serial-to-Ethernet device server with Modbus support, providing quick and easy Ethernet connectivity to manage and control industrial automation equipment over Ethernet or the Internet.

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

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

**xDirect-IAP Highlights:**
- Complete Network Connectivity Solution
- Integrated 10/100 Ethernet Port and Serial Cable
- Complete Device Server Application with Full IP Stack
- Modbus TCP, ASCII, RTU Support
- Space Saving Form Factor
- Serial Data Rate of up to 115.2 Kbps
- 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 115.2 Kbps
  - Characters: 7 or 8 data bits
  - Stop Bits: 1 or 2
  - Parity: Odd, even, none
  - Modem Control Signals: DTR, DSR/DCD
  - Flow Control: XON/XOFF (software), CTS/RTS (hardware)

> **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, Modbus TCP, Modbus ASCII, Modbus RTU

> **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 (LxWxH):
    - 240 x 33 x 29 mm (9.5" x 1.3" x 1.1")
  - Weight: 0.068 Kg (0.15 lbs)

> **Shipping Dimensions**
  - 194 x 149 x 52 mm (7.63" x 5.88" x 2.06"), non-PoE model
  - 149 x 97 x 37 mm (5.88" x 3.81" x 1.44"), PoE model

> **Environmental Limits**
  - Operating Temperature**: -40° to 85° C (-40° to 185° F), non-PoE model
  - -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: Telnet Client, Serial Terminal

> **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

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### Ordering Information

**United States**
- **Call:** 800.422.7055
- **Email:** sales@lantronix.com
- **Buy Online:** [http://www.lantronix.com](http://www.lantronix.com)
- **NASDAQ:** LTRX

**Europe**
- **Call:** +31 (0) 76.52.3.6.74 4
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**China**
- **Call:** +86.021.6237.8868
- **Email:** Shanghai@lantronix.com

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### Part Number

**xDirect-IAP Device Server, Modbus, RS232/422/485 DB9F Serial Port, 10/100 Ethernet Port, 100-240 VAC International Power Supply with Regional Adapters, RoHS**

- **Part Number:** XDT4851002IA-01-S

**xDirect-IAP PoE Device Server, Modbus, RS232/422/485 DB9F Serial Port, 10/100 Ethernet Port, No Power Supply, RoHS**

- **Part Number:** XDT10P01A-01-S

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### Accessories

- **140-448-R**
  - 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 VI, RoHS

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**Note:** The xDirect-IAP device server is UL rated to 75° C. The included power supply (non-PoE model only) has an operating temperature range of 0° to 40° C.