Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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

LANTRONIX®

CONNECT SMART. DO MORE.

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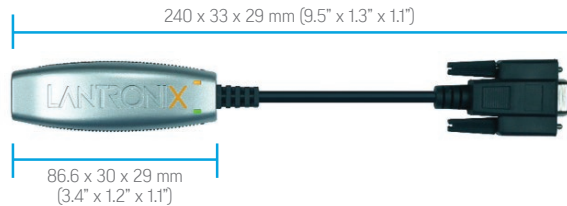- Power/Status, Link, Activity, Serial RX Activity & TX Activity

> 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")

86.6 x 30 x 29 mm
(3.4" x 1.2" 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" 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

Ordering Information

> Part Number	> Description
XDT4851002IA-01-S	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
XDT10P0IA-01-S	xDirect-IAP PoE Device Server, Modbus, RS232/422/485 DB9F Serial Port, 10/100 Ethernet Port, No Power Supply, RoHS

> Accessories	> Description
140-448-R	Mini DB9M-M Gender Changer, Null Modem with Pin 9, RoHS
520-158-R	Power Supply, 100-240 VAC, 50-60Hz, 5VDC 1A, Mini USB-B Right Angle, 4 Regional Adapters, Level VI, RoHS

**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.