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XPress-DR+

Industrial Device Server

- Cascade multiple devices from a single network connection
- Connects enterprise systems to non-networked factory floor devices
- Enables remote firmware upgrades, saving time and money
- Supports industrial protocols
- Maximizes flexibility with an internal 2-Port 10Base-T/100Base-TX Ethernet switch
- 15kV serial ESD protection and 2.5kV Ethernet isolation
- Wide -40°- 70°C operational temperature range
- RoHS compliant



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Product Brief

Documentation

Latest Firmware

Visio Stencils

External Product Comparison Matrix

Product Overview

Features & Specifications

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Features & Specifications

Serial Interface

- 2 RJ45 RS-232 Serial Ports
- Baud rate selectable from 300 to 230 Kbps
- 1 screw terminal RS-422/485 interface on Serial Port 2 (2 and 4-wire support)
- LED indicators for TXD and RXD activities

Serial Line Formats

Characters	7 or 8 data bits
Stop Bits	1 or 2
Parity	odd, even, none

Flow Control

Hardware	RTS/CTS
Software	XON/XOFF

Modem Control

- DTR, DSR

Network Interface

- 2 RJ45 10Base-T/100Base-TX Ethernet ports
- Embedded, unmanaged, fully compliant 802.3u non-blocking Ethernet switch
- Store and forward architecture with 1K MAC address lookup table
- Automatic MDI/MDI-X crossover
- Full duplex IEEE 802.3x flow control
- Half duplex back pressure flow control
- IEEE 802.1d spanning tree

LED Indicators

- TX/RX activity per serial
- Link/Activity per Ethernet port
- Power/System OK

Management

- Internal web server (standard tunneling firmware only)
- SNMP (read only)
- Serial login

- Telnet login
- DeviceInstaller software

Isolation

- 8 kV direct contact, 15kV air discharge, ESD protection on all Serial ports (IEC 1000-4-2, IEC 61000-4-2)
- 2 K VAC / 2.8K VDC galvanic isolation between Power Input port to Ethernet ports (except Chassis ground)
- 2 K VAC / 2.8K VDC galvanic isolation between Power Input port to Serial ports
- Transient Voltage protection and ESD with max non-repetitive surge current 800 Amp (8/20 μ s) (IEC 61000-4-2)
- 2 K VA / 2.8K VDC galvanic isolation between Ethernet ports (except chassis ground)
- 2 K VA / 2.8K VDC galvanic isolation between Ethernet ports to Serial ports
- 40 A (5/50 ns) EFT protection (IEC 61000-4-4), 12 A (8/20 μ s) lightning protection (IEC 61000-4-5) on all Ethernet ports

Power Input

- Removable screw terminal block connector
- 9-30 VDC or 9-24 VAC with chassis ground
- 2.3 Watts maximum

Environmental (Operating)

Temperature -40°C to +70°C (-40 to 158°F)

Humidity 20% to 90% relative humidity, noncondensing

Agency Approvals

- UL, CSA, FCC, CE, TUV, CTick, VCCI's

Protocols Supported

- ARP, UDP/IP, TCP/IP, Telnet, ICMP, SNMP, DHCP, BOOTP, TFTP, and HTTP

Installable Industrial Application Protocols

- ModBus TCP, ModBus ASCII/RTU, DF1 Multi-Master

CPU

- Lantronix DSTNI-EX 48 MHz clock, 256 KB SRAM Internal CPU Memory

Flash Memory

- 2 MB Flash

EEPROM

- 2 KB

Reset

- Front panel recessed push button

Packaging

Case High-impact plastic case with integrated DIN Rail (35 mm) mount
- IP30 enclosure rating

Dimensions (L x W x H) 8.76 x 5.7 x 12.3 cm (3.45 x 2.25 x 4.85 in),
terminal blocks included

Weight 0.21 kg (0.46 lb)

Shipping Dimensions (L x W x H)

- 18.7 x 22.9 x 11.1 cm (7.375 x 9.0 x 4.375 in)

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