XPort® Pro Lx6

Embedded Linux Networking Server



IPV6 READY, LINUX NETWORKING MODULE FOR M2M APPLICATION DEVELOPMENT

The XPort® Pro Lx6 is a member of Lantronix XPort Pro family of powerful and advanced embedded Linux based networking modules. Footprint compatible with the industry popular XPort, the XPort Pro Lx6 adds IPv6 — allowing designers to leverage an off-the-shelf solution that's highly customizable for wired networking solutions.

Robust Processing Power & Flexible Linux Computing

The thumb-sized XPort Pro Lx6 provides everything you need in a single embedded solution — eliminating the complexity of designing network connectivity into a product and allowing advanced applications to be quickly and easily deployed on the edge device itself.

IPv6-Ready Solution

Organizations have historically struggled with future proofing their networking equipment, especially when it comes to supporting Internet Protocol version 6 (IPv6). Until recently, IPv6 was only available in high end computers. Today, it's available on the XPort Pro—one of Lantronix's flagship, award-winning products. Using Linux and the large collection of available feature libraries, the XPort Pro Lx6 offers a customizable platform for embedded developers to use and offer a highly differentiated networking solution.

Industrial-Grade Device Server

The XPort Pro Lx6 delivers a robust, industrial-grade application device server with network hardened software applications, in conjunction with critical agency certification already completed by Lantronix. The benefit for you? Reduced development time, faster time to market and lower cost of ownership through the entire product lifecycle.

XPort Pro Lx6 Highlights

- IPv6 Ready Certified: Conforms to core protocols
- Easy to Deploy and Use: Simple device setup, configuration and monitoring without any software development
- Robust: Device server application suite hardened by Lantronix over the last decade
- Feature-Rich: Multiple session connectivity modes, remote firmware upgrades and configuration with enterprise class management interfaces
- Secure: FIPS 197 compliant 256-bit AES encryption
- Industrial-Ready: Operating environment at extended temperatures: -40° to +85° C
- Standards-based: Conforms to the latest IP networking standards ensuring interoperability and eliminating vendor lock-in
- Guaranteed: 2-year limited warranty

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Features and Specifications

High Performance 32-bit Processor
- 16MB SDRAM 16MB Flash

Serial Interface
- Software selectable data rates from 300 to 921kbps
- Characters: 7 or 8 data bits
- Parity: Odd, Even, None
- Stop Bits: 1 or 2
- Modem Control Signals: CTS, RTS, DTR/DCD
- Flow Control: XON/XOFF (software), CTS/RTS (hardware)
- Programmable IO: 3 PIO pins (software selectable)

Network Interface
- 10Base-T and 100Base-TX Link
- Connector: RJ45
- Internet Protocol: Dual Stack IPv4 and IPv6
- Protocols: TCP/IP, UDP/IP, ARP, ICMP, TFTP, FTP, Telnet, DHCP, BOOTP, HTTP, SMTP, AutoIP, and SYSLOG

Security
- TCP/AES and UDP/AES

Software
- MS Windows based DeviceInstaller™
- MS Windows based Com Port Redirector™

Management and Control
- Internal Web Manager
- CLI (over Serial Ports or Telnet)
- XML Configuration Records via CLI or FTP
- DeviceInstaller software
- Firmware: Upgradeable via FTP, Web, and Serial Port

Internal Web Server
- Customizable with CGI
- Web content on local file system and updatable through FTP

Environmental
- Operating Temperature: -40° to +85° C
- Storage Temperature : -40° to +85° C
- Relative Humidity: 0% to 90% non-condensing

Power
- Input Voltage: 3.3VDC
- IO Max Rating 3.3v

Regulatory Approvals
- FCC Part 15, Subpart B, Class B
- ICES-003 Issue 4 (2004), Class B
- EN55022:2006 and EN55024:1998 + A1:2001 + A2:2003
- AS/NZS CISPR22:2006
- VCCI V-3/2009.04
- EN 61000-3-2:2006, EN 61000-3-3:1995+A1:2001+A2:2005

Packaging
- Dimensions: 33.9mm (L) x 16.25mm (W) x 13.5mm (H)
- Weight: 9.6g

Warranty
- 2-year limited warranty

Part Number	Description
XPP1004000-02R	XPort Pro Lx6 RoHS Extended Temperature w/ IPv6 w/ Linux OS w/ 16MB SDRAM – Bulk (Min. Quantity 50 units)
XPP100400S-02R	XPort Pro Lx6 RoHS Extended Temperature w/ IPv6 w/ Linux OS w/ 16MB SDRAM – Sample
XP10010NMK-01	Universal Demo Board (Module sold separately)

Related Devices	Description
XPP1003000-02R	XPort Pro RoHS Extended Temperature w/Encryption, w/ Linux OS, 16MB SDRAM - Bulk (Min. Quantity 50 units)
XPP100300S-02R	XPort Pro RoHS Extended Temperature w/Encryption, w/ Linux OS, 16MB SDRAM - Sample

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Learn more at lantronix.com/xport-pro-lx6

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