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LANTRONIX®

www.soselectronic.com/lantronix

LANTRONIX®, Inc. was founded in 1989 and is headquartered in Irvine, California/USA. It is a global leader in secure communication technologies that simplify remote access, management, and control of virtually any electronic device regardless of location. Its products, like Xport - original fully-integrated embedded networking server, have gained an international reputation.

Společnost LANTRONIX®, Inc. byla založena v r. 1989, s centrálou v Irvin, Californie / USA. Je světovou jedničkou v oblasti zabezpečených komunikačních technologií, které zjednodušují vzdálený přístup, správu a ovládání prakticky jakéhokoli zařízení. Jejich produkty, jako např. Xport - plně integrovaný embedded síťový server, získaly mezinárodní reputaci.

Das Unternehmen LANTRONIX® Inc. wurde 1989 gegründet und hat seinen Sitz in Irvine in Kalifornien, USA. Es ist globaler Spitzenreiter im Bereich Technologien zur gesicherten Kommunikation, welche den Fernzugriff, -verwaltung und -steuerung praktisch jedes beliebigen elektronischen Gerätes unabhängig vom Standort vereinfachen. Die Produkte von Lantronix wie Xport - voll integrierte Embedded-Netzwerkserver - haben sich einen international Namen gemacht.

A LANTRONIX® Inc.-et 1989-ben alapították a kaliforniai (USA) Irvine-ben. A világ vezető biztonságos kommunikációs technológiáinak gyártója, melyek egyszerűsítik a távoli hozzáférést, lekérdezést és vezérlést gyakorlatilag bármilyen elektronikus berendezéshez bárhol is helyezkedjen el. A Lantronix termékei, mint az Xport - eredeti teljesen integrált beágyazott hálózati szerver, nemzetközi elismerést szereztek.

Spółka LANTRONIX®, Inc. została założona w r. 1989, z centralą w Irvine, Kalifornia / USA. Jest światowym liderem w zabezpieczonych technologiach komunikacyjnych, które upraszczają dostęp zdalny, zarządzanie i sterowanie praktycznie dowolnego urządzenia. Ich produkty, jak Xport – w pełni zintegrowany embedded serwer sieciowy, uzyskały sobie międzynarodową reputację.

LANTRONIX®, Inc s-a înființat în 1989 şi are sediul principal în Irvine, California/SUA. Este un lider global în tehnologii securizate de comunicaţii care simplifică accesul la distanţă, managementul şi controlul tuturor dispozitivelor electronice, indiferent de locaţia acestora. Produsele sale, cum ar fi Xport – un server de conectare în reţea încorporat şi complet integrat, au câştigat o reputaţie internaţională.

Spoločnosť LANTRONIX® Inc., bola založená v roku 1989 a sídli v Irvine v Kalifornii, USA. Je svetová jednotka v oblasti zabezpečených komunikačných technológií, ktoré zjednodušujú vzdialený prístup, správu a kontrolu prakticky akéhokoľvek elektronického zariadenia bez ohľadu na umiestnenie. Produkty Lantronix ako Xport - plne integrované embedded sieťové servery si získali medzinárodné renomé.

Lantronix innovative solutions enable businesses to make better decisions based on real-time information and are utilized in almost every vertical market including: security, building and industrial automation, medical/healthcare, IT/data center, government, transportation, retail, power and utilities, and many others.

Why LANTRONIX?

?
- one of the world leaders in networking
- products for fast and easy network-enabling of your device
- top features, small dimensions
- above-standard customer support

Did You Know?

All over the world, more than 2 millions of Lantronix XPort® was sold.

XPort®

Embedded Ethernet Device Server
- Minimal engineering effort required to web-enable virtually any electronic device
- Remote command and control of edge devices
- Real-time edge device status via e-mail alerts
- 256-bit AES encryption for secure communications
- EMC/EMI-compliant; RoHS-compliant
- Everything you need — all in a single RJ45 package

Technical Parameters	XP1001000-04R
Serial Interface	CMOS (Asynchronous, 5V Tolerant)
Data Rates	300 bps to 921,600 bps
Interface	Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Connector	RJ45
Protocols	TCP/IP, UDP/IP, ARP, ICMP, SNMP, TFTP, Telnet, DHCP, BOOTP, HTTP, and AutoIP
Management	SNMP, Telnet, serial, internal web server, and Microsoft Windows®-based utility for configuration
Security	Password protection
CPU	Based on the DSTni-EX enhanced 16-bit, 48MHz or 88MHz, x86 architecture
Memory	256KB SRAM and 512KB flash
Input Voltage	3.3 VDC
Dimensions	33.9 x 16.25 x 13.5mm

XPort® Pro

World's Smallest Linux Networking Server
- Enable M2M edge computing and effortlessly handle demanding applications with the power of an advanced architecture 32-bit processor
- Run Linux (XPP1003000-02R) or Lantronix Evolution OS (XPP1002000-02R) for the ultimate in-application development flexibility
- Production-ready hardware and software solution provides simple device set-up, configuration and monitoring, with powerful, industry-standard management tools
- Footprint compatible with the popular XPort
- VIP Access technology can seamlessly integrate with a remote services enablement platform

Technical Parameters	XPP1002000-02R, XPP1003000-02R
Serial Interface	Flow Control: XON/XOFF (software), CTS/RTS (hardware), Programmable IO: 3 PIO pins
Data Rates	300 bps to 921,600 bps
Interface	Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Connector	RJ45
Protocols	TCP/IP, UDP/IP, ARP, ICMP, SNMPv2, TFTP, FTP, Telnet, DHCP, BOOTP, HTTP, SMTP, SSHv2, SSLv3, PPP, AutoIP, RSS, and SYSLOG
Management	Internal Web Manager (SSL Option for secure login) CLI (over Serial Ports, Telnet or SSH) XML Configuration Records via CLI or FTP
Security	SSLv3 and SSHv2 Client & Server, Selectable, 128/256/512/1024 Bit certificates, Encryption: AES, 3DES and RC4, Authentication: SHA-1, MD5, Base-64
CPU	High performance 32-bit processor
Memory	8MB SDRAM/16MB Flash or 16MB SDRAM/16MB Flash
Input Voltage	3.3 VDC
Dimensions	33.9 x 16.25 x 13.5mm

Linux

Micro

Embedded Device Server

- Easily network-enable virtually any serial device
- Flexible, well-developed IP protocol stack
- Ethernet RJ45 (10BASE-T) connector on the board
- TTL serial interface
- Two serial ports
- Accepts 5VDC regulated input power
- HTTP, Serial, Telnet and SNMP management
- Flash ROM for easy software upgrades
- Custom protocol support available

MSSLite

Embedded Device Server

- Upload data directly to one or more selected hosts.
- Provide management information to network requestors even while data transfers are in progress.

UDS1100-B

Embedded Device Server

- Quick way to embed network connectivity to access, monitor and control equipment over Ethernet
- RS-232, RS422 or RS-485 serial support
- RJ45 10Base-T/100Base-TX Ethernet Interface
- Configurable via internal web server, Telnet on serial
- 2 MB Flash ROM
- Environmentally-friendly RoHS and WEEE compliant
- Compact design allows for easy integration

WiPort® NR

Embedded Serial to Ethernet Device Server

- Serial to Ethernet networking in the same form factor and pinout as our 802.11 b/g wireless WiPort offering ability to implement wired or wireless solution with the same board design
- Build Ethernet or IP networking into your products – quickly and easily
- Provide a smooth transition to 802.11b/g wireless networking without any board redesign (using WiPort)
- Proven operating system, embedded web server complete network protocol stack
- 256-bit AES encryption for secure communications
- EMC/EMI-compliant; RoHS-compliant

PremierWave

Embedded Linux Wireless Device Server

- Small form factor measuring 55mm x 30mm
- 802.11 a/b/g/n solution with Selectable Dual Band Radio (2.4GH z or 5GH z)
- Linux Operating System with IP v6 Support
- Adds Wi-Fi to devices with the highest enterprise-grade security and authentication protocols
- Lantronix SmartRoam™ technology* provides seamless mobile connectivity and improved reliability
- Includes full TCP/IP stack and web server
- Robust set of interfaces that include Ethernet, Serial, USB , I2C, and SPI
- Low power consumption modes
- Powerful applications customization platform with 32-bit AR M9 Processor
- Virtual IP (VIP) Access to gain remote connectivity behind firewalls
- Ethernet-to-Wireless LAN bridging provides seamless connectivity for wired Ethernet devices
- Advanced Applications Suite including:
- Tunnelling, secure tunnelling, Configuration Manager, Web-based Configuration Manager

xPico

NEW!

Embedded Device Server

- Chip-sized Footprint: 24mm x 16.5mm
- Complete Device Server Application with Full IP Stack and Web Server
- Storage Capacity: 384KB for Web Pages
- CPU: Based on the DSTni-EX Enhanced 16-bit x86 Architecture
- Memory: 256KB SRAM, 512KB Flash
- Serial Data Rate of up to 921 Kbps
- 256-bit AES Encryption
- Interface: CMOS (Asynchronous) 3.3V-level signals (5V tolerant)
- Extended Temperature: -40° to +85° C

EDS-MD™

The Next Generation of Multi-Port Medical Device Servers

- UL and IEC-60601 compliance provides galvanic port isolation to protect connected medical devices
- Securely connect any medical device with a serial interface to the network using enterprise--level SSL and SSH
- Simple set up and configuration with industry-standard management tools including Web, CLI and XML
- Gigabit Ethernet offers increased bandwidth for higher performance
- Available with 4, 8 or 16 port

EDS8PS and EDS16PS

Hybrid Ethernet Terminal and Multiport Device Servers

- Quickly connect any device with a serial port to the network using robust SSH or SSL enterprise-level security
- Easily customize and enhance the EDS for your unique application with Evolution OS®
- Simple device set-up, configuration and monitoring with powerful, industry-standard management tools (Web, CLI, XML, SNMP)
- Sleek design (with desktop or wall-mount capability) appropriate for installation in medical or other high visibility applications

XPress-DR

Industrial Device Server

- Cascade multiple devices from a single network Connect enterprise (ERP,MES) systems to factory floor devices without disturbing existing control networks
- Allow remote firmware upgrades, saving money and time from manual upgrades
- IAP version supplies many industrial communication protocols
- Configurable serial interface supports RS-232, RS-422, or RS-485
- 10Base-T/100Base-TX Ethernet (RJ45)
- Isolated serial and Ethernet ports
- FM-approved for hazardous locations Class I, Div. 2
- RoHS Compliant

EDS1100 / EDS2100

Hybrid Ethernet Terminal and Multiport Device Servers

- Quickly connect any device with a serial port to the network using robust SSH or SSL enterprise-level security
- Run Linux or Lantronix Evolution OS for the ultimate in application development flexibility
- Easily customize and enhance the EDS for your unique application with Evolution OS
- Simple device set-up, configuration and monitoring with powerful, industry-standard management tools (Web, CLI, XML, SNMP)
- VIP Access technology can seamlessly integrate with a remote services enablement platform