

# LANTRONIX Embedded Device Servers



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Lantronix offers Ethernet and 802.11 wireless networking solutions for end users and manufacturers alike. Their embedded modules enable OEMs to add full Ethernet and/or wireless connectivity to their products so they can be managed over a network or the Internet – at a fraction of the time and expense required to develop an in-house solution. And Lantronix products offer the highest levels of data security available today.

## XPORT® PRO™

The thumb-sized XPort® Pro™ is Lantronix' most powerful, self-contained embedded networking module. Footprint compatible with the popular XPort® and running either Linux or Evolution OS™ operating systems, the XPort Pro eliminates the complexity of designing network connectivity into a product and allows you to deploy advanced applications on the edge device itself.

### Features:

- Enable M2M edge computing and effortlessly handle demanding applications with the power of an advanced architecture 32-bit processor
- Run Linux or Lantronix Evolution OS 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
- VIP Access technology seamlessly integrates with Lantronix' ManageLinux remote services enablement platform

XPort® Pro™ Shown



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For quantities greater than shown, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XP1002000-01R	XP1002000-01R	XPort Pro XE Extended Temperature w/ encryption w/ Evolution OS	61.63
515-XP1002000S-01R	XP1002000S-01R	XPort Pro SE Extended Temperature w/ encryption w/ Evolution OS - Sample	62.00
515-XP1003000-01R	XP1003000-01R	XPort Pro XE Extended Temperature w/ encryption w/ Linux OS	61.63
515-XP1003000S-01R	XP1003000S-01R	XPort Pro SE Extended Temperature w/ encryption w/ Linux OS - Sample	62.00
515-XP1001000-EVO-01	XP1001000-EVO-01	XPort Pro Evolution Development Kit with BDM Connector*	285.00
515-XP1001000-LNX-01	XP1001000-LNX-01	XPort Pro Linux Development Kit with BDM Connector*	285.00
515-XP10010NMK-01	XP10010NMK-01	XPort Universal Demo Board *	90.00
515-930-060-R	930-060-R	P&E M1 micro-computer systems USB Multilink Debugger **	400.00

\* XPort® Pro™ Module Sold Separately. \*\* Sold Separately for Development Kits.

## XPORT®/ XPORT® AR - EMBEDDED DEVICE SERVERS

XPort® is the most compact, integrated solution available to web-enable any device with a serial interface. By simply adding XPort to a product design, device manufacturers can now offer Ethernet connectivity as a standard feature within weeks—instantly increasing product value, enhancing end-user experience and facilitating new service delivery options.

### XPort® Features:

- Minimal engineering effort required to web enable a serial 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

### XPort® AR Features:

- A fully programmable device computing platform based on corporate IT standards – Cisco®-like CLI, XML, RSS
- Web-enable up to three electronic devices, quickly and easily
- Provide robust "data center grade" security, including SSL and SSH, for networked devices
- Offer true IEEE 802.3af compliant pass-through Power over Ethernet (PoE)

XPort® Shown



RoHS Compliant

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MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XP1001000-03R	XP1001000-03R	XPort XE - 10/100 Ethernet Transceiver to Serial Interface; RoHS; Extended Temperature	51.00
515-XP1001001-03R	XP1001001-03R	XPort XE - 10/100 Ethernet Transceiver to Serial Interface; RoHS; Commercial Temperature	49.00
515-XP1001000M-03R	XP1001000M-03R	XPort XE - 10/100 Ethernet Transceiver to Serial Interface; RoHS; Extended Temperature, with MODBUS	55.00
515-XP1002000-03R	XP1002000-03R	XPort SE - 10/100 Ethernet Transceiver to Serial Interface with 256-bit AES Encryption; RoHS; Extended Temperature	53.25
515-XP1002001-03R	XP1002001-03R	XPort SE - 10/100 Ethernet Transceiver to Serial Interface with 256-bit AES Encryption; RoHS; Commercial Temperature	52.00
515-XP1002000S-03R	XP1002000S-03R	XPort SE - 10/100 Ethernet Transceiver to Serial Interface with 256-bit AES Encryption; RoHS; Extended Temp. - Sample	54.50
515-XP1004000-03R	XP1004000-03R	XPort 485 - RS-485 Support with 256-bit AES Encryption; RoHS; Extended Temperature	55.00
515-XP1004000S-03R	XP1004000S-03R	XPort 485 - RS-485 Support with 256-bit AES Encryption; RoHS; Extended Temperature - Sample	57.00
515-XP100200K-03	XP100200K-03	XPort with Evaluation Board, Cables, Power Supply and Software; Commercial Temperature; Encryption	140.00
515-XP3002000-01R	XP3002000-01R	XPort AR – Ethernet to Serial Embedded Processor Module with SSH Client & Server, SSL, 1024-bit AES (Rijndael), 3DES and RC4 Encryption, Public/Private-keys, and password protection; Extended Temperature	64.75
515-XP3002000S-01R	XP3002000S-01R	XPort AR – Ethernet to Serial Embedded Processor Module with SSH Client & Server, SSL, 1024-bit AES (Rijndael), 3DES and RC4 Encryption, Public/Private-keys, and password protection; Extended Temperature - Sample Package	68.35
515-XP300200K-01	XP300200K-01	XPort AR with Evaluation Board, Cables, Power Supply and Software; Commercial Temperature; Encryption	189.00

## MATCHPORT® AR LINUX SOFTWARE DEVELOPER'S KIT

The MatchPort® AR Linux Software Developer's Kit (SDK) is a highly-integrated embedded hardware and software suite that allows Linux developers to easily create value-added applications on Lantronix' small yet powerful embedded networking module. Built on the stable 2.6 Linux kernel, the SDK includes all the components required for building secure network enabled products using the Linux OS.

### Features:

- Provides a turn-key development environment using industry standard Linux software tools combined with well-known GNU toolchains
- Improves the ease and flexibility of application development, shortening time-to-market
- Allows you to leverage the knowledge of a well-established Linux development community
- Simplifies the complicated and time-consuming process of custom development on Linux-based platforms
- Integrated with our small, proven, and very powerful hardware module

\* Must be ordered separately for the MPDK1000-LNX-02 kit.



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RoHS Compliant

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MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-MPDK1000-LNX-01	MPDK1000-LNX-01	MatchPort AR Linux Development Kit (without BDM Debugger Connector)	330.00
515-MPDK1000-LNX-02	MPDK1000-LNX-02	MatchPort AR Linux Development Kit (with BDM Debugger Connector)	400.00
515-930-060-R	930-060-R	P&E M1 micro-computer systems USB Multilink Debugger*	400.00
515-MPR4002000-01	MPR4002000-01	MatchPort AR w/ 8MB of Flash w/ Linux OS, Module	52.50
515-MPR4002000S-01	MPR4002000S-01	MatchPort AR Module w/ 8MB of Flash w/ Linux OS, Sample	52.90

## MATCHPORT™ - EMBEDDED WIRED AND WIRELESS DEVICE SERVERS

MatchPort™ b/g and b/g Pro enable you to build wireless networking into virtually any electronic device with a serial interface. The MatchPort AR allows you to easily swap to serial-to-Ethernet connectivity utilizing the identical footprint to the MatchPort b/g and b/g Pro.

### MatchPort b/g Features:

- Extremely affordable embedded 802.11 b/g wireless networking
- Common platform form factor for a family of wired and wireless module
- Bulletproof security with IEEE 802.11i-PSK, WPA-PSK, TKIP and optional 256-bit AES end-to-end encryption
- Full TCP/IP stack, web server and Windows deployment software
- Up to 230Kbps data rate
- FCC Class B, UL and EN EMC and safety-compliant
- Compact: 45mm x 45mm with 40-pin 2mm header

MatchPort b/g Shown



RoHS Compliant

\* MatchPort sample must be purchased separately.

For quantities greater than shown, call for quote.

### MatchPort® b/g Pro Features:

- Adds WiFi to devices with the highest WPA2/802.11i enterprise-grade security and authentication protocols
- Lantronix SmartRoom™ technology provides seamless mobile connectivity and improved reliability
- Includes full TCP/IP stack, CGI, AJAX web server and Windows deployment software
- Low power consumption mode option
- Powerful applications customization platform with 32 Bit 159 MIPS (Dhrystone 2.1) Processor, 8MB Flash/6 MB SDRAM
- Built-in Ethernet to wireless bridging

### MatchPort AR Features:

- Application-ready, secure SSL/SSH networking module for high-volume applications
- Low cost, high-performance, 32-bit, 166Mhz 159 MIPS platform
- Built-in CGI and AJAX web server
- Pin compatible family includes 802.11 b/g wireless
- Ethernet MAC/PHY; add only RJ45 jack and magnetics to device's PCB
- SNMP V2c ready, MIB II support
- "Cisco-like" CLI, XML, serial and Telnet management capability

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No.		
515—MP1001000G-01	MP b/g Wireless Device Server	76.00
515—MP1002000G-01	MP b/g Wireless Device Server, AES	78.67
515—MP1002000SG-01	MP b/g Wireless Device Server, AES, Sample	88.67
515—MPP3002000G-01	MP b/g Pro 802.11 Wireless Device Server	119.00
515—MPP3002000SG-01	MP b/g Pro 802.11 Wireless Device Server, Sample	124.00
515—MPR3002000-01	MP AR Embedded Device Server, AES	45.00
515—MPR3002000S-01	MP AR Embedded Device Server, AES, Sample	49.95
515—MPR4003000-01	MP AR w/ 8MB of Flash w/ Evolution OS	52.50
515—MPR4003000S-01	MP AR w/ 8MB of Flash w/ Evolution OS, Sample	52.90
515—MP10010NMK-01	MP Universal Demonstration Kit *	106.00
515—MPDK1000-01	MP Development Kit	995.00
515—930-033-R	2.4GHz 802.11b/g Antenna	8.50
515—500-180-R-ACC	Antenna cable (6 in.) U.FL to R-SMA	3.93
515—500-181-R-ACC	Antenna cable (6 in.) U.FL to U.FL	3.93