

# LANTRONIX Embedded Device Servers



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.

## XPICO DEVICE SERVER MODULE

The chip-sized xPico is an extremely compact networking solution that enables Ethernet connectivity on virtually any device with a serial interface. The included Lantronix device server application and full IP stack allow seamless remote access to device data simplifying design integration while providing robust connectivity. As the smallest embedded device server in the world, xPico can be utilized in designs typically intended for chip solutions.

### Features:

- Chip-sized footprint: 24mm x 16.5mm
- Complete device server application with full IP stack and web server
- Serial data rate up to 921Kbps
- Security: 256-bit AES Encryption
- Internal storage capacity: 384KB for web pages

### Development Kit Contents:

- xPico Module
- xPico Evaluation Board
- 3.6V-wall-mount power supply AC/DC, 1A
- RS-232, DB9/F, 10 ft, full modem cable
- Ethernet cable 10 ft



xPico Device Shown

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
<a href="#">515-XPC100100S-01</a>	XPC100100S-01	xPico Device Server Module - bulk	<b>33.59</b>
<a href="#">515-XPC100100B-01</a>	XPC100100B-01	xPico Device Server Module - sample	<b>29.30</b>

For quantities greater than listed, call for quote.

## XPORTR® 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.

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



XPort® Pro™ Shown

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
<a href="#">515-XPP1002000-02R</a>	XPP1002000-02R	XPort Pro XE Extended Temperature with encryption with Evolution OS	<b>67.78</b>
<a href="#">515-XPP100200S-02R</a>	XPP100200S-02R	XPort Pro XE RoHS Extended Temperature with encryption with Evolution OS - Sample	<b>71.00</b>
<a href="#">515-XP10010NMK-01</a>	XP10010NMK-01	XPort Universal Demo Board	<b>95.63</b>
<a href="#">515-930-060-R</a>	930-060-R	P&E M icro-computer systems USB Multilink Debugger	<b>400.00</b>

For quantities greater than listed, call for quote.

## XPORTR®/XPORTR® 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:

- 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

### XPort® AR Features:

- A fully programmable device computing platform based on corporate IT standards – Cisco®-like CLI, XML, RSS
- 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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
<a href="#">515-XP1001000-04R</a>	XP1001000-04R	XPort - RoHS Extended Temp. Extended Temperature - Xport XE without Encryption	<b>51.00</b>
<a href="#">515-XP1001000M-04R</a>	XP1001000M-04R	XPort XE - with Modbus, RoHS Extended Temp. Extended Temperature, no encryption.	<b>55.00</b>
<a href="#">515-XP1001001-04R</a>	XP1001001-04R	XPort - RoHS Commercial Temp. - XPort XE without encryption.	<b>49.00</b>
<a href="#">515-XP1002000-04R</a>	XP1002000-04R	XPort - RoHS Extended Temp. Extended Temperature - Xport XE with encryption.	<b>53.25</b>
<a href="#">515-XP1002001-04R</a>	XP1002001-04R	XPort - RoHS Commercial Temp. - Xport XE with encryption.	<b>52.00</b>
<a href="#">515-XP100200S-04R</a>	XP100200S-04R	XPort - RoHS Sample Extended Temp. Extended Temperature - Xport SE Sample with encryption.	<b>54.50</b>
<a href="#">515-XP3002000-01R</a>	XP3002000-01R	XPort AR – Ethernet to Serial Embedded Processor Module with SSH Client and Server, SSL, 1024-bit AES (Rijndael), 3DES and RC4 Encryption, Public/Private-keys, and password protection; Extended Temperature	<b>64.75</b>
<a href="#">515-XP300200K-01</a>	XP300200K-01	XPort AR with Evaluation Board, Cables, Power Supply and Software; Commercial Temperature; Encryption	<b>189.00</b>
<a href="#">515-XP300200S-01R</a>	XP300200S-01R	XPort AR – Ethernet to Serial Embedded Processor Module with SSH Client and Server, SSL, 1024-bit AES (Rijndael), 3DES and RC4 Encryption, Public/Private-keys, and password protection; Extended Temperature - Sample Package	<b>68.35</b>

## 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.

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
<a href="#">515-MPDK1000-LNX-01</a>	MPDK1000-LNX-01	MatchPort AR Linux Development Kit (without BDM Debugger Connector)	<b>330.00</b>
<a href="#">515-MPDK1000-LNX-02</a>	MPDK1000-LNX-02	MatchPort AR Linux Development Kit (with BDM Debugger Connector)	<b>400.00</b>
<a href="#">515-930-060-R</a>	930-060-R	P&E M icro-computer systems USB Multilink Debugger	<b>400.00</b>
<a href="#">515-MPR4002000-01</a>	MPR4002000-01	MatchPort AR with 8MB of Flash with Linux OS, Module	<b>58.10</b>
<a href="#">515-MPR400200S-01</a>	MPR400200S-01	MatchPort AR Module with 8MB of Flash with Linux OS, Sample	<b>56.25</b>



## MATCHPORT™ - EMBEDDED WIRED AND WIRELESS DEVICE SERVERS

### MatchPort b/g Features:

- Extremely affordable embedded 802.11 b/g wireless networking
- 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

### 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
- Powerful applications customization platform with 32 Bit 159 MIPS (Dhrystone 2.1) Processor, 8MB Flash/8 MB SDRAM
- Built-in Ethernet to wireless bridging

### MatchPort AR Features:

- Application-ready, secure SSL/SSH networking module for high-volume applications
- Built-in CGI and AJAX web server
- Pin compatible family includes 802.1 b/g wireless
- Ethernet MAC/PHY; add only RJ45 jack and magnetics to device's PCB

### MatchPort NR Features:

- Interface: CMOS (Asynchronous) 3.3V-level signals, rate is software selectable (300 bps to 921,000 bps)
- Serial Line Formats: 7 or 8 data bits, 1-2 Stop bits
- Modem Control: DTR, DCD
- Flow Control: XON/XOFF (software), CTS/RTS (hardware), none



MatchPort b/g Shown

\* MatchPort sample must be purchased separately.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each
<a href="#">515-MP1001000G-01</a>	MP b/g Wireless Device Server	<b>59.38</b>
<a href="#">515-MP1002000G-01</a>	MP b/g Wireless Device Server, AES	<b>61.25</b>
<a href="#">515-MP100200SG-01</a>	MP b/g Wireless Device Server, AES, Sample	<b>67.50</b>
<a href="#">515-MPP3002000G-01</a>	MP b/g Pro 802.11 Wireless Device Server	<b>119.00</b>
<a href="#">515-MPP300200SG-01</a>	MP b/g Pro 802.11 Wireless Device Server, Sample	<b>124.00</b>
<a href="#">515-MPR3002000-01</a>	MP AR Embedded Device Server, AES	<b>47.50</b>
<a href="#">515-MPR300200S-01</a>	MP AR Embedded Device Server, AES, Sample	<b>49.95</b>
<a href="#">515-MPR4003000-01</a>	MP AR with 8MB of Flash with Evolution OS	<b>58.10</b>
<a href="#">515-MPR400300S-01</a>	MP AR with 8MB of Flash with Evolution OS, Sample	<b>56.25</b>
<a href="#">515-MP10010NMK-01</a>	MP Universal Demonstration Kit	<b>105.33</b>
<a href="#">515-MPDK1000-01</a>	MP Development Kit	<b>995.00</b>
<a href="#">515-930-033-R</a>	2.4GHz 802.11b/g Antenna	<b>8.50</b>
<a href="#">515-500-180-R-ACC</a>	Antenna cable (6in.) U.FL to R-SMA	<b>3.93</b>
<a href="#">515-500-181-R-ACC</a>	Antenna cable (6in.) U.FL to U.FL	<b>5.82</b>
<a href="#">515-MP5002000-01</a>	MP NR Device Server AES Bulk	<b>48.00</b>
<a href="#">515-MP500200S-01</a>	MP NR Device Server AES Bulk Sample	<b>51.00</b>