

LANTRONIX Device Servers



Embedded Modules

EMBEDDED DEVICE SERVERS

Lantronix recognizes that design engineers are looking for a simple, cost-effective and reliable ways to seamlessly embed network connectivity into their products. With very little effort, minimal development time and at a fraction of the time required to develop an in-house solution, OEMs can add full Ethernet and/or wireless connectivity to their products so they can be managed over a network or the Internet. Why build it from scratch yourself when we can provide a small module that's ready for your application? Lantronix embedded device servers are a cost-effective and reliable way to seamlessly embed network connectivity into your products. Our expertise in device networking, a stable real-time operating system (RTOS) and TCP/IP stack enables you to add full Ethernet and/or wireless connectivity your products with minimal effort, programming and development time. Lantronix's compact, cost-effective embedded device networking products deliver a complete feature set, including encryption, serial support options, management flexibility, 10/100 Base-T Ethernet or wireless connectivity, and the ability to customize.

XPort®/ XPort® AR - Embedded Device Server

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:

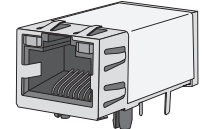
- Minimal engineering effort required to web enable a serial device
- Remote command and control of edge devices
- Real-time edge device status via e-mail alerts
- 256-bit AES encryption for secure communications
- EMC/EMI-compliant; RoHS-compliant
- Everything you need – all in a single RJ45 package

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)



RoHS Compliant



XPort® Illustrated

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
XPort®			
515-XP1001000-03R	XP1001000-03R	XPort XE - 10/100 Ethernet Transceiver to Serial Interface; RoHS; Extended Temperature	54.00
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-XP100200S-03R	XP100200S-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-XP100400S-03R	XP100400S-03R	XPort 485 - RS-485 Support with 256-bit AES Encryption; RoHS; Extended Temperature - Sample Package	57.00
515-XP100200K-03	XP100200K-03	XPort with Evaluation Board, Cables, Power Supply and Software; Commercial Temperature; Encryption	140.00
XPort®AR			
515-XP3002000-01	XP3002000-01	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	88.00
515-XP300200S-01	XP300200S-01	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	90.00
515-XP300200K-01	XP300200K-01	XPort AR with Evaluation Board, Cables, Power Supply and Software; Commercial Temperature; Encryption	189.00

XPort® Direct™ - Embedded Device Gateway

XPort® Direct™ Features:

- Affordable network connectivity gateway for any device with a serial interface on its microcontroller
- Complete TCP/IP protocol stack and Windows deployment software
- Compact low profile (<12 mm)
- Two GPIO pins
- Integrated module with RJ45 featuring dedicated networking SoC
- Up to 230 Kbps data rate
- 2 x 12 pin, 2 mm headers
- RS-232/RS-485 ready



XPort® Direct™ Illustrated



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XD1001000-01	XD1001000-01	XPort Direct - XD1001000-01 Device Network Ethernet Module	36.75
515-XD100100S-01	XD100100S-01	XPort Direct - XD1001000-01 Device Network Module Sample	41.25
515-XD100100K-01	XD100100K-01	XPort Direct - XD1001000-01 Device Network Module Demo Kit	119.00

WiPort™ / WiPort™ NR - Wireless Embedded Device Server Modules

The WiPort is the most compact, integrated solution available to add 802.11b wireless networking to any edge device with a serial interface. Using our highly integrated hardware and software platform, you will add to your bottom line by significantly reducing product development time, risk and cost. With the same form factor and pinout of the 802.00 b/g wireless WiPort, the WiPort NR is a wired Ethernet solution enabling wired/wireless layout compatibility on a single PCB design, and a seamless migration path from Ethernet connectivity to 802.11 wireless networking using the WiPort.

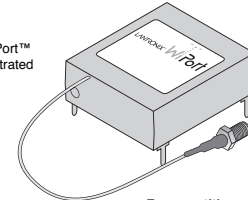
WiPort™ Features:

- Serial to 802.11 b/g conversion
- Wired ethernet to 802.11 b/g WLAN bridging
- Optional end-to-end 128, 192 and 256 bit AES encryption
- WPA, PSK, TKIP security, 128 bit WEP encryption
- Easy configuration through a web interface
- Embedded web server

WiPort™ NR Features:

- Ethernet 10/100 connectivity
- Two serial inputs
- 2MB of Flash memory
- 11 GPIO pins
- PoE-capable with external circuitry
- EMC/EMI-compliant
- Optional 256-bit AES Rijndael encryption for secure communications
- Form factor compatible with our Micro and Micro100 boards
- Electrical Interface to CAN and SPI Bus available
- Extensive networking protocol support including TCP/IP

WiPort™ Illustrated



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each	
			1	10
515-WP2001000G-02	WP2001000G-02	WiPort - Standard WiPort	119.00	117.00
515-WP2002000G-02	WP2002000G-02	WiPort - Standard WiPort with AES	123.00	120.00
515-WP200200SG-02	WP200200SG-02	WiPort Sample Package - WiPort with Software	126.00	---
515-WP5001000-01	WP5001000-01	WiPort NR Extended Temp; AES encryption	55.00	54.25
515-WP200200KG-02	WP200200KG-02	WiPort Development Kit - WiPort with Evaluation Board, Cables, Power Supply, Antenna and Software	299.00	---
515-930-033-R	930-033-R	WiPort Accessory Antenna	8.50	7.00

Micro 100 / WiMicro™ Board Level Device Servers

The Lantronix Micro100 is a board-level product for OEM users who want to embed proven mainstream Ethernet connectivity in their products quickly and economically.

Micro 100 Features:

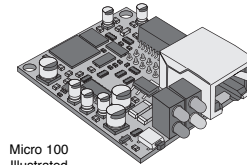
- Flexible, well-developed IP protocol stack
- Ethernet RJ45 (10/100Base-T) connector on the board
- Accepts 5 VDC regulated input power
- HTTP, serial, Telnet and SNMP management
- Flash ROM for easy software upgrades
- Custom protocol support available
- 256-bit AES encryption for secure communications

- TTL serial interface
- Two serial ports

WiMicro™ Features:

- Upgrade to board level wireless – quickly and easily
- Form factor compatible with our Micro and Micro100 boards
- "Plug and Play" wireless connectivity
- Wireless security using 128-bit WEP and WPA-PSK, TKIP
- End-to-end security using 256-bit Rijndael encryption
- Data Rate: 300bps to 230 Kbps
- Embedded web server

Micro 100 Illustrated



RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-MO00AA002-01R	MO00AA002-01R	Micro100 Board - No RJ45 Jack, No LEDs, includes TTL Pin Header, RoHS Compliant	72.00
515-MO11AA002-01R	MO11AA002-01R	Micro100 Board - includes RJ45 Jack, LEDs, TTL Pin Header, RoHS Compliant	72.00
515-MO22AA002-01R	MO22AA002-01R	Micro100 Board - Pin Headers for Ethernet, TTL, and LED connections, RoHS Compliant	72.00
515-MO00AA0E2-01R	MO00AA0E2-01R	Micro100 Board with AES Encryption - No RJ45 Jack, No LEDs, includes TTL Pin Header, RoHS Compliant	77.00
515-MO11AA0E2-01R	MO11AA0E2-01R	Micro100 Board with AES Encryption - includes RJ45 Jack, LEDs, TTL Pin Header, RoHS Compliant	77.00
515-MO22AA0E2-01R	MO22AA0E2-01R	Micro100 Board with AES Encryption - Pin Headers for Ethernet, TTL, and LED connections, RoHS Compliant	77.00
515-MICRO100KIT	MICRO100-KIT	Micro100 Board Kit - Micro100 with Carrier Board, Cables, Adapter, Power Supply and Software	149.00
515-WM11A0002-01	WM11A0002-01	WiMicro Board - Micro Board with WiPort Embedded Device Server (802.11 networking), 128-bit WEP/WPA Encryption	165.00

