



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# THE MOST FLEXIBLE NETWORK CONNECTIVITY SOLUTION

Designed for quick integration with minimal engineering effort, the chip-sized xPico® provides simplicity and flexibility making it the easiest and fastest networking-enabling module on the market.

The Lantronix® xPico® embedded device server is an extremely compact networking solution that enables Ethernet connectivity on virtually any device with a serial interface. The included industry-proven Lantronix device server application and full IP stack allow seamless remote access to device data simplifying design integration while providing robust connectivity.

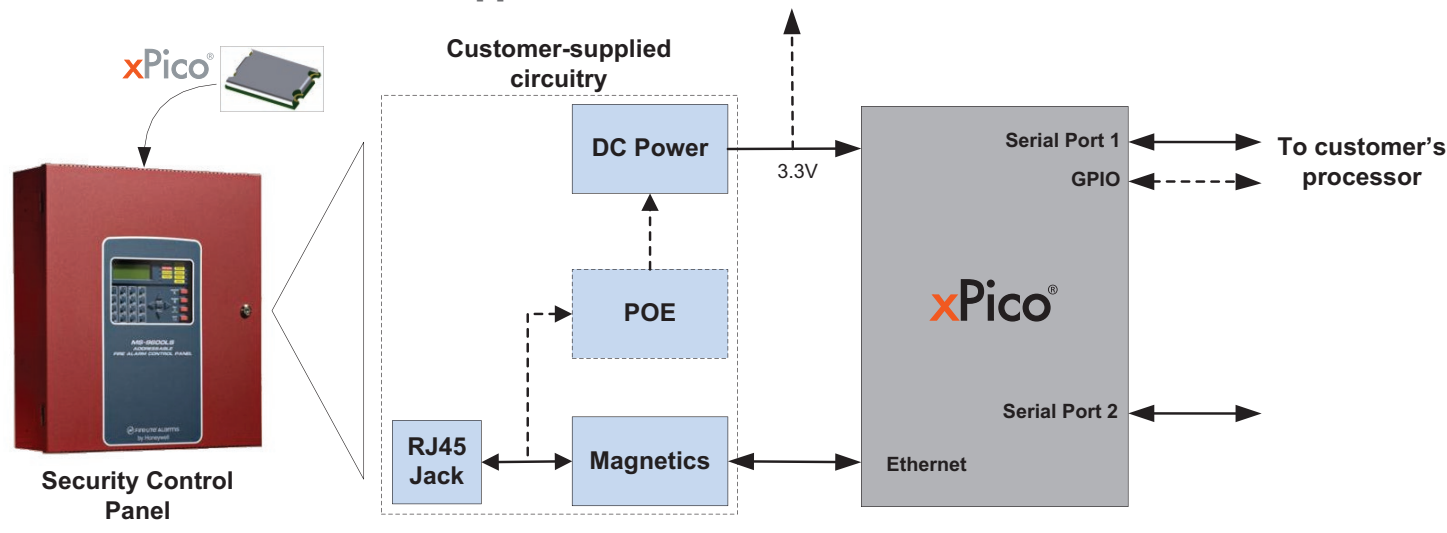
As the smallest embedded device server in the world, xPico can be utilized in designs typically intended for chip solutions. A key difference with the xPico is that there is virtually no need to write a single line of code, translating to a much lower development cost and faster time-to-market.



## xPico Highlights:

- Chip-sized Footprint: 24mm x 16.5mm
- Complete Device Server Application with Full IP Stack and Web Server
- Two Serial Ports Supporting Data Rates of up to 921 Kbps
- 256-bit AES Encryption
- Extended Temperature: -40° to +85° C
- 5-Year Limited Warranty

## xPico in Alarm Control Panel Application



## Features and Specifications

### > Serial Interface

- Two Serial Ports
- Interface: CMOS (Asynchronous) 3.3V-level signals (5V tolerant)
- Data Rates: 300bps to 921,600bps (software selectable)
- Data Bits: 7 or 8
- Stop Bits: 1 or 2
- Parity: Odd, Even, None (serial port one only)
- Control Signals: DTR/DCD, RTS/CTS
- Flow Control: XON/XOFF (software), CTS/RTS (hardware), None (serial port one only)
- Programmable I/O: 8 PIO pins (software selectable)

### > Network Interface

- Interface: Ethernet 10Base-T or 100Base-TX (Auto-sensing)
- Protocols: TCP/IP, UDP/IP, ARP, Telnet, ICMP, SNMP, DHCP, BOOTP, TFTP, AutoIP, and HTTP

### > Management

- SNMP, Telnet, Serial, Internal Web Server, and Microsoft Windows-based utility for web configuration

### > Security

- 256-bit AES Encryption

### > Internal Web Server

- Storage Capacity: 384KB for Web Pages

### > Architecture

- CPU: Based on the DSTni-EX Enhanced 16-bit x86 Architecture
- Memory: 256KB SRAM, 512KB Flash
- Firmware: Upgradeable via TFTP and Serial Port

### > Power

- Input Voltage: 3.3VDC

### > Physical Interface

- 40-pin Board-to-Board SMT Connector

### > Environmental

- Operating Temperature: -40° to +85° C
- Storage Temperature: -40° to +85° C

### > Included Software

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

### > Packaging

- Dimensions: 24mm (L) x 16.5mm (W) x 5.64mm (H)
- Weight: 2.5g

### > Warranty

- 5-Year Limited

## Ordering Information

### Americas

Call: 800.422.7055

Email: sales@lantronix.com

Buy Online: <http://www.lantronix.com>

NASDAQ: LTRX

### Asia/Pacific

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### > Part Number

XPC100100B-01

XPC100100S-01

XPC100A001-01-B

XPC100100K-02

### > Description

xPico Device Server Module, Extended Temperature, AES Encryption, Bulk, RoHS

xPico Device Server Module, Extended Temperature, AES Encryption, Sample, RoHS

xPico Device Server Module, Mounting Quick Clip (50 pc)

xPico - Device Server Module, Development Kit, w/Module, RoHS



The built-in Web Manager makes configuring xPico quick and easy!



xPico - Smaller than a standard SD card.

Actual size: 24mm X 16.5mm (Bottom view of xPico)