



## Dual Port Wireless Device Server

- ▶ Allows access to remote devices while minimizing costly cabling
- ▶ Provides network mobility for untethered communication
- ▶ Industry standard 802.11b wireless interface
- ▶ Transparent communications - no need to develop special software
- ▶ Two DB9 DTE serial ports supporting RS-232, RS-422 or RS-485 communication
- ▶ Compact size enables it to fit almost anywhere

## Wirelessly connect, monitor, manage and control devices over a network or the Internet

WiBox™ is a two-port device server that lets you connect serial devices to 802.11b wireless networks, quickly and easily. By merging wireless communications and Lantronix device server technology, the WiBox simplifies connectivity to devices where cabling is prohibited or mobility is required.

The flexibility and power of WiBox™ offer a huge cost-saving potential for a variety of commercial applications. Serial RS-232/422/485 flexibility, WEP security, robust data handling capabilities and high serial speeds are all built in. Using a method called serial tunneling, the WiBox encapsulates serial data into packets and transports it over 802.11b wireless networks. By connecting two WiBox units via a network, virtual serial connections can be extended across your facility or around the world.

Lantronix' innovative approach to network enabling devices is transparent to your attached devices and software. You won't need to change the way you work, and there's no need to develop special software to take advantage of wireless networking capabilities. The WiBox simply becomes a conduit between you and your device over the network or Internet.

The Com Port Redirector Software included with your WiBox simplifies your integration process by extending the functionality of your COM port-based Windows® applications. With virtual COM ports mapped to remote device servers on the network, you can replace direct serial connections.

In modem emulation mode, the WiBox is used to replace dial-up modems. The unit accepts modem AT commands on the serial port, then establishes a network connection to the end device, leveraging wireless mobility and bandwidth to eliminate dedicated modems and phone lines.

To enable access to a local network or the Internet, the WiBox integrates a fully developed TCP/IP network stack and OS. It even includes a built-in Web server, which can be used for configuration or to display operating and troubleshooting information on the attached links to online support.

The DeviceInstaller configuration software that's included simplifies installation and setup. The WiBox can be set up locally through its serial port, or remotely over a network using DeviceInstaller Telnet or a Web browser. Flash memory provides maintenance-free, non-volatile storage of Web pages, and allows future system software upgrades.

If you're looking for a transparent, cost-effective and scalable means to network enable your serial devices, look no further than WiBox from Lantronix.





## Features

### Serial InterfaceESF

Serial Port 1: RS-232  
 Serial Port 2: RS-232/422/485 software selectable  
 Data Rates: 300 to 921,600 bps  
 Characters: 7 or 8 data bits  
 Parity: odd, even, none  
 Stop Bits: 1 or 2  
 Control Signals: RTS, CTS, DSR, DTR, DCD  
 Flow Control: XON/XOFF/, RTS/CTS  
 ESD Protection: 4kv direct per port

### Network Interface

Interface: 802.11b  
 Connector: Antenna  
 Standards: WEP, ARP, UDP/IP, TCP/IP, ICMP, SNMP, AutoIP, DHCP, TFTP, Telnet and HTTP

### Indicators (LED)

Power  
 Wireless Link  
 Serial 1  
 Serial 2

### Processor

CPU: DSTni-EX (enhanced 80186, 88 MHz)  
 Memory: 256 Kbytes SRAM, 512 Kbytes flash

### Management

Lantronix DeviceInstaller GUI, Serial login, SNMP, Telnet login, HTTP

### Power

Input: 9 - 30 VDC  
 Consumption: 2 W max.  
 AC adapter included (see ordering information below)

### Environmental

Operating temperature range: 0° - 60°C  
 Operating humidity: 0 - 95%, non-condensing  
 Storage temperature range: -40° - 85°C

### Device Packaging

Material: Metal case with flange mount  
 Dimensions: 23 x 72 x 95 mm (0.9 x 2.8 x 3.7 in.)  
 Weight: 0.4 kg (0.9 lbs)

### Agency Approvals

FCC-B, C/UL, CSA, CE, TUV

### Warranty

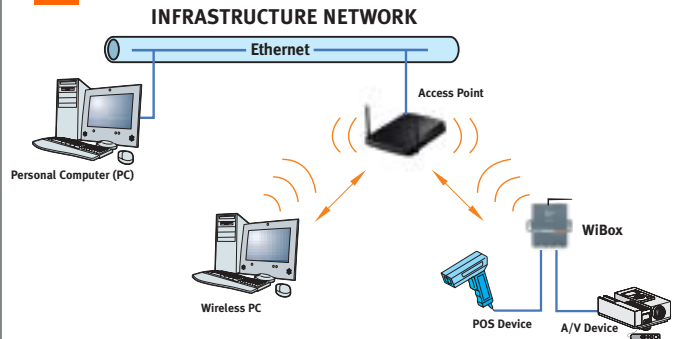
2-year limited warranty

### Shipping Dimensions

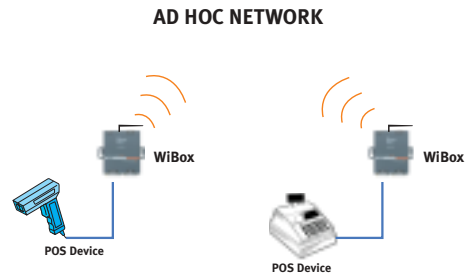
Dimensions: 115 x 242 x 191 mm (4.5 x 9.5 x 7.5 in.)  
 Weight: 1.5 kg (3.0 lbs.)

## Example Configurations

**A**



**B**



WiBox2100 Back Panel



WiBox2100 Front Panel



### Included Software

Windows® 98/ME/NT/2000/XP-based configuration software, Com Port Redirector™ software, related utilities

### Ordering Information

WB2100001-01 (115 VAC, 50/60 Hz adapter)  
 WB2100002-01 (100-240 VAC, 50/60 Hz Intl. adapter)

**Wireless Device Server:** 2 DB9 DTE serial ports, 802.11b, diagnostic LEDs, AC power adapter, CD-ROM with configuration tools and documentation, printed Quick Start Guide

# LANTRONIX®

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