



## UBox USB-to-Ethernet Print/Device Servers

- ▶ Enables USB peripherals to be shared over a network
- ▶ Eliminates distance limitations of USB
- ▶ 10/100 Ethernet interface
- ▶ Supports DHCP, Static IP or Zeroconfig IP addressing
- ▶ Isochronous audio/video
- ▶ Full multi-function printer support

## Access and Share USB Devices Securely Over a Network or the Internet

UBox® is a USB-to-Ethernet device server that removes the distance limitations of USB, enabling you to access USB peripherals over a network. These devices can be individually dedicated or shared among users, maximizing your USB device investment.

Available in two and four port configurations, UBox provides increased mobility enabling you to remotely access and control USB devices via a network connection or the Internet. With this compact device users can network peripherals such as web cams, USB speakers, storage subsystems, security ID devices, card readers, bar code scanners, multifunction printers, scanners and even PDAs easily and without distance limitations. Beneficial to OEMs and systems integrators designing products and solutions for a variety of markets, some additional applications for the UBox include printing, medical devices, and security and access control.

UBox offers a host of competitive features, including a dedicated networked USB host controller, compact design and feature-rich software that enables devices to be dedicated to individual users or shared among many users on a network. An auto-connect feature allows multiple users to share a printer automatically and without user intervention.

### Isochronous Audio and Video

Data-intensive applications such as USB audio and video demand time critical, guaranteed bandwidth to prevent

delays that would adversely affect the quality of images and speech. With isochronous transfer support, the UBox maintains the necessary bandwidth and guarantees data will be delivered without delays.

UBox is the first device server to support the USB isochronous transfer standard allowing standard USB audio and video peripherals to be distributed across a network. UBox 2100 supports isochronous audio and video and UBox 4100 supports isochronous audio.

### Easy to Install and Use

Our innovative approach to network-enabling devices is transparent to your attached devices and software, so you won't have to change the way you work. The UBox offers simple plug-and-play operation and does not require special device drivers.

The UBox includes firmware that works in conjunction with software installed on each PC accessing the connected USB peripherals. UBox is configured controlled and upgraded from within the software utility. The software is designed to access, identify, configure and upgrade each UBox on the network as needed. Once configured, the software runs in the background and USB devices are automatically connected to associated PCs in the same manner as if they were connected locally.

If you're looking for a cost-effective way to connect your USB devices for remote accessibility, look no further than the UBox from Lantronix.





## Features

### USB Interface

- UBox 2100: Two USB Ports: USB 2.0 (high speed)
- UBox 4100: Four USB Ports: USB 2.0 (full speed)

### Network Interface

- 10/100 Fast Ethernet

### Protocols

- TCP/IP
- UDP
- Zeroconfig IP (AutoIP)
- DHCP

### Indicators (LED)

- System Status
- Network
- USB Ports Status

### Power

- Input: 5 VDC @ 2.6A
- Consumption: 2.5 A max.
- USB ports: 500 mA each
- AC adapter included (see ordering information below)

### Environmental

- Operating Temperature: 0° to 40° C (32° to 104° F)
- Operating Humidity: 90 %
- Storage Temperature Range: -40° to 66° C (-40° to 151° F)

### Device Packaging

- UBox 4100:**
  - Materials: Plastic case with wall mount holes on back side
  - Dimensions: 13.20 x 8.12 x 2.5 cm (5.2 in x 3.2 in x 1.0 in)
  - Weight: .11 kgs (.25 Lbs)
- UBox 2100:**
  - Materials: Metal enclosure with wall mounts
  - Dimensions: 10.18 x 7.24 x 2.28 cm (4 in x 2.85 in x .89 in)
  - Weight: .31 kgs (.68 Lbs)

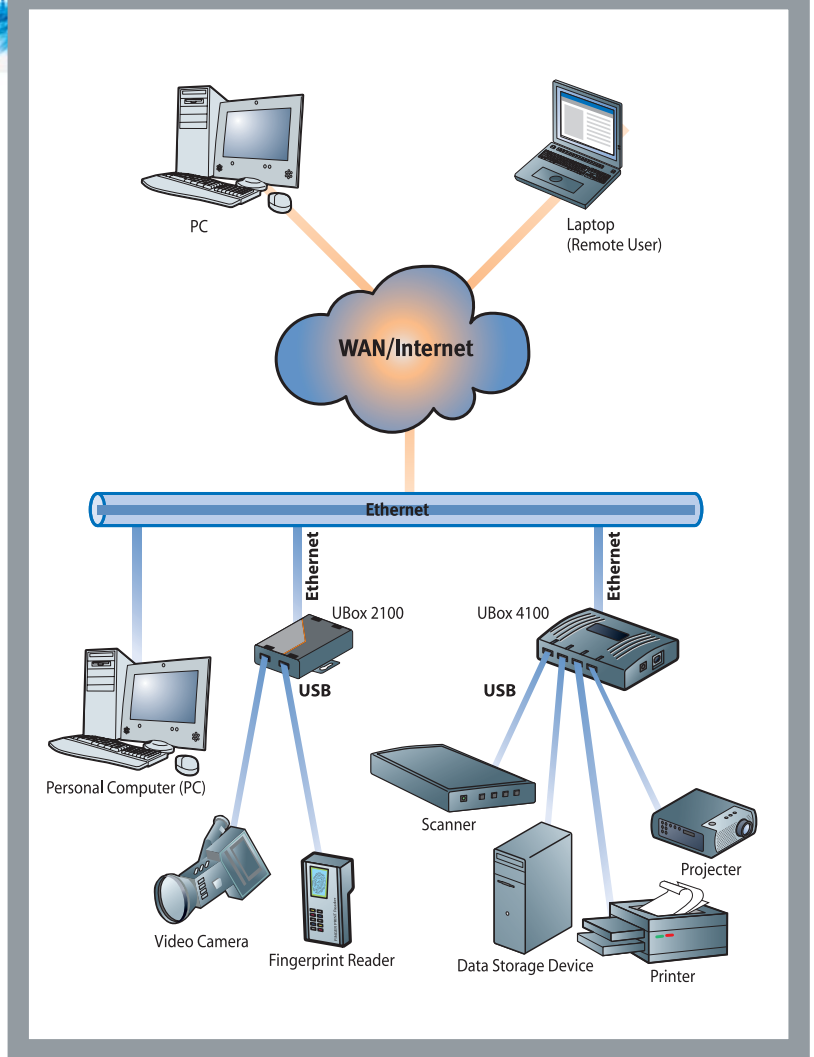
### Shipping Dimensions

- Dimensions: 25 x 21 x 6.8 cm (9.8 x 8.2 x 2.6 in)
- Weight: .38kg (.85 Lbs) UBox 4100
- Weight: .58kg (1.28 Lbs) UBox 2100

### Agency Approvals

- UBox 4100:**
  - FCC-B, C/UL, CSA, CE, VCCI
- UBox 2100:**
  - Radiated and Conducted Emissions – CFR Title 47 FCC Part 15, Subpart B and C, Industry Canada ICES-003 Issue 4 2004, VCCI V-3/2007.04, AS/NZS CISPR 22: 2006, EN55022:2006, EN61000-3-2:2000 + A2:2005, EN61000-3-3: 1995 + A1:2001 + A2:2005
  - Immunity – EN55024: 1998 + A1:2001 + A2:2003
  - Direct & Indirect ESD – EN61000-4-2: 1995
  - RF Electromagnetic Field Immunity – EN61000-4-3: 2002
  - Electrical Fast Transient/Burst Immunity – EN61000-4-4: 2004
  - Surge Immunity – EN61000-4-5: 2006

## Sharing USB Remote Peripherals with the UBox Family



### Agency Approvals Continued

- RF Common Mode Conducted Susceptibility – EN61000-4-6: 1996
- Power Frequency Magnetic Field Immunity – EN61000-4-8: 1994
- Voltage Dips and Interrupts – EN61000-4-11: 2004
- Safety – EN60950-1: 2001, Low Voltage Directive 2006/95/EC

### Warranty

- Two Year Limited Warranty

### Included Software

- Windows® 2000/XP-based UBox application software

### Ordering Information

Part #	Model #	Description
UB4100001-01	UBX4100	4 port USB device server – US 115VAC
UB4100002-01	UBX4100	4 port USB device server – European 100-240VAC
UB4100003-01	UBX4100	4 port USB device server – UK 100-240VAC
ACDIN1001-01		DIN Rail Mount Clips
UB2100002-01	UBX2100	2 port USB Print/device server – Worldwide Power Supply



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