

# WIRELESS USB



## Wireless USB makes it easy

With more than 6 billion wired USB connections in the world today, USB is the most successful interface in the personal computing, consumer electronics and mobile industries. But what consumers want is their favorite devices made easy and convenient – no more wires, no more clutter! Wireless USB from the USB-IF hit the market in the form of Notebook PCs, host adapters and wireless hubs to upgrade existing devices. As new products are introduced, it will be built in to both host and devices for more than a dozen product categories. Wireless USB gives consumers an easy, secure way to connect their PCs, CE, and mobile devices without a cable – without sacrificing speed.

Today consumers are on the move more than ever, and they are taking their rich digital media content with them in the form of MP3 players, digital cameras and camcorders, portable hard drives, USB flash drives, etc. Consumers are moving from the home to the office to the airport, and wherever they go they take their personal digital content with them, such as music, photos and movies, and need the ability to Fast Sync-N-Go with their favorite devices – which is made even easier with Wireless USB. Look for products in stores now!

## The Background

Wireless USB is based on WiMedia's ultra-wideband (UWB) radio platform, enabling products from the PC, CE, and mobile industries to connect wirelessly at up to 480 Mbps at 3 meters and 110 Mbps at 10 meters. This technology was created by the Wireless USB Promoter Group – Hewlett Packard, Intel, LSI Corporation, Microsoft, NEC Electronics, ST-NXP Wireless, and Samsung – aided by more than 100 contributing companies. The group focused on ensuring backward compatibility, interoperability, security, and maintaining the guiding principles of ease-of-use and low cost which were pioneered by USB.

## The Benefits of Wireless USB from the USB-IF

### ***Speed***

Wireless USB delivers speeds of up to 480 Mbps at 10 feet and 110 Mbps at 30 feet. At close range, that's the same rate as Hi-Speed USB.

### ***Power Management***

Wireless USB is designed to deliver maximum power efficiency. Sleep, listen, wake and conserve modes ensure that devices use only the minimum power necessary.

### ***Security***

Wireless USB provides optimum data security through built-in protocols and authentication procedures. All certified Wireless USB products are required to encrypt their data transmissions.

### ***Ease-of-Use***

Wireless USB delivers the same ease-of-use, plug-and-play capability as wired USB, with additional convenience and flexibility that comes with a wireless connection.

### ***Backward Compatibility***

Applications build for USB will work seamlessly with Wireless USB.

### ***Logo Certification***

The USB-IF delivers compliance testing, provides trademark licensing and qualifies products to use the Certified Wireless USB logo. When the Certified Wireless USB logo appears on a product, consumers will know they are getting a product that has passed the standards set by the USB-IF.

# WIRELESS USB: POISED FOR SUCCESS

## A Ready-Made Market

Wireless USB from the USB-IF builds upon the existing industry investment in USB. Every market segment will benefit from Wireless USB.

### *Consumer Electronics Segment*

Eliminates cable rat's nest in the digital home, delivers easy installation and set-up right out of the box, and supports multiple simultaneous HDTV streams. Enables multimedia displays (e.g. PC to TV).

### *Personal Computing Segment*

De-clutters workspaces with easy to use plug-and-play wireless connections to desktop and notebook computers, while maintaining fast data transfer rates.

### *Mobile Segment*

Enables high data rate and new uses like wireless docking stations, handheld and notebook wireless linkage with resource sharing, and wireless AV display from notebooks and handhelds.

## Broad Industry Support

More than 100 companies from a wide range of industries have committed to using Wireless USB, indicating a rich ecosystem in which multiple suppliers will produce interoperable products.

## A Diverse Range of Product Categories

As Wireless USB heats up, manufacturers could ship hundreds of millions of units within a few years. Eventually, every PC, camera, printer, camcorder, flat panel television and mobile phone will have a certified Wireless USB connection.

Wireless USB will be featured in the following product categories:

- PCs
- Flat Panel Televisions
- Mobile Phones
- Entertainment PCs
- Digital Cameras
- MP3 Players
- External Hard Drives
- DVD Players
- Hubs & Adapters

## When will certified Wireless USB products be available?

Wireless USB products have already started shipping! Be sure to look for the Certified Wireless USB logo.

## Where can I learn more?

For more information about Wireless USB, visit [www.usb.org/wusb](http://www.usb.org/wusb).