

# INTRODUCING CERTIFIED WIRELESS USB FROM THE USB-IF

With more than 2 billion wired USB connections in the world today, USB is the most successful interface in the personal computing industry. These same fast, interoperable connections are available in the wireless world, with the introduction of Certified Wireless USB from the USB Implementers Forum. This new wireless extension of USB combines the speed and security of wired technology with the ease-of-use of wireless technology. Certified Wireless USB ensures consumers have an easy, secure way to connect their home, office and mobile devices without a cable – without sacrificing speed.



Look for products to start arriving in mid-2007.

## The Background

Certified Wireless USB from the USB-IF is based on WiMedia's ultra-wideband radio platform, enabling products from the PC, CE, and mobile industries to connect using a common interface at up to 480 Mbps. This technology was created by the Wireless USB Promoter Group – Agere Systems, Hewlett Packard, Intel, Microsoft, NEC Electronics, Philips, and Samsung – aided by over 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 Certified Wireless USB from the USB-IF

**Speed** Certified Wireless USB delivers speeds of up to 480 Mbps at 3 meters and 110 Mbps at 10 meters. At close range, that's the same rate as Hi-Speed USB.

**Power Management** Certified Wireless USB is designed to conserve power. Sleep, listen, wake and conserve modes ensure that devices use only the minimum power necessary.

**Security** Certified 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** Like traditional USB, Certified Wireless USB is simple to install and set up, with the additional ease-of-use that comes with a cable-free environment.

**Backward Compatibility** Certified Wireless USB extends the existing investment that manufacturers have in the well-understood USB architecture rather than uprooting it and replacing it with something new. Applications built for USB will work seamlessly with Certified Wireless USB.

**Peaceful Coexistence** Certified Wireless USB is the first application of WiMedia's UWB radio platform. This guarantees peaceful coexistence and resource sharing with other WiMedia-compliant wireless technologies, such as Bluetooth, Wireless 1394, or WiNet.

**Logo Certification** The USB-IF will deliver compliance testing, provide trademark licensing, and qualify products to use the Certified Wireless USB logo and brand. 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, thereby ensuring that they will enjoy all the benefits Certified Wireless USB has to offer.

# CERTIFIED WIRELESS USB FROM THE USB-IF IS POISED FOR SUCCESS



## **A Ready-Made Market**

Certified Wireless USB builds upon and extends the existing industry investment in USB. Every market segment will benefit from Certified Wireless USB.

### ***Consumer Electronics Segment***

Eliminates cable rat's nest for the CE component stack in the digital home, delivers easy installation and set-up right out of the box, and supports multiple simultaneous HDTV streams.

### ***Personal Computing Segment***

Unwires high data rate USB devices while continuing to enable low cost devices implementations. It also makes new usage models like wireless monitors a reality.

### ***Mobile Segment***

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

## **Broad Industry Support**

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

## **A Diverse Range of Product Categories**

As Certified Wireless USB begins to make inroads into the market segment for wired USB, 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.

Certified Wireless USB will be featured in the following product categories:

- PCs
- PDAs
- Digital Cameras
- Printers
- Camcorders
- MP3 Players
- Flat Panel Televisions
- Mobile Phones
- External Hard Drives
- Set Top Boxes
- Entertainment PCs
- DVD Players
- PVRs
- AV Receivers