



INTRODUCING CERTIFIED WIRELESS USB FROM THE USB-IF

With more than 2 billion legacy wired USB connections in the world today, USB is the most successful interface in the personal computing industry. Soon, these same fast, interoperable connections will become 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. 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 2006.

The Background

The Wireless USB application is based on WiMedia's Ultra Wideband common radio platform, enabling PCs, peripherals, consumer electronics and mobile devices to connect using a common interface at up to 480 Mbps at 3 meters. 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 is focused on ensuring backward compatibility, interoperability, security, and maintaining the guiding principles of ease-of-use and low cost.

The Benefits of Certified Wireless USB from the USB-IF

Speed

Wireless USB delivers speeds of 480 Mbps at 3 meters, or approximately 10 feet, and 110 Mbps at 10 meters, or approximately 30 feet. At close range, that's the same rate as Hi-Speed USB.

Power Management

Like all USB connections, Wireless USB is designed to conserve power. Sleep, Listen, Wake and Conserve modes enable users to use power only when the connection is needed.

Security

Wireless USB provides optimum data security through built-in protocols and authentication procedures, as well as an encryption process during transmission.

Ease of Use

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

Backward Compatibility

Wireless USB is backward compatible to wired USB devices.



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

A Waiting Marketplace

Every market segment can benefit from Wireless USB.

Consumer Electronics Segment

Eliminates cable nesting for the CE component stack in the digital home, delivers easy installation and set up right out of the box and will support multiple HDTV streams which is a requirement for CE devices.

Personal Computing Segment

Unwires high data rate USB devices, while continuing to enable low cost devices implementations, it will also make 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.

A Diverse Range of Product Categories

As 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 Wireless USB connection.

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