

WUBW-106X

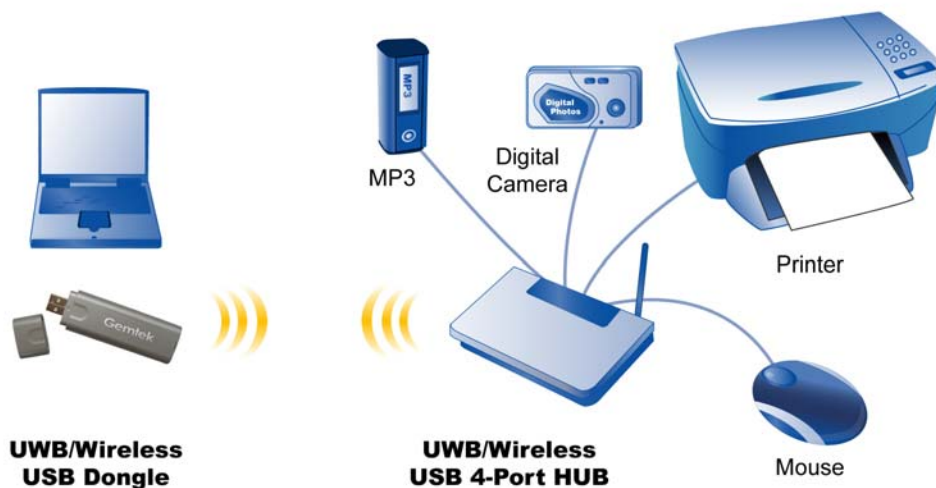
UWB/Wireless USB Dongle



- **Up to 480Mbps, High-Speed Data Transfer Rate**
- **Plug-and-Play Operation Provides Easy Setup**
- **Standard USB 2.0 Port**
- **User-Friendly Setup Software Provides Hassle-Free Configuration**

The Gemtek UWB Series adapter/hub is the product which is based on the Ultra-Wideband technology. It offers great opportunities for short-range wireless multimedia networking. It provides the wireless access to the networked resources with up to 480 Mbps data rates. Gemtek UWB specifications have been architected and optimized for wireless personal-area networks delivering high-speed (480 Mbps and beyond), low-power multimedia capabilities for the PC, CE, mobile and automotive market segments. Emphasizing peaceful coexistence with other wireless services, its features with high transmission data rates and reliable performance are ideal for streaming multimedia applications.

Gemtek's HWA Dongle, based on Certified Wireless USB, is a cost-effective, highly-integrated design that provides Wireless UWB high-speed services to existing wired USB devices. The HWA Dongle Reference Design is also ideal for embedded designs. UWB Hub, also based on Certified Wireless USB, is a cost-effective design for mobile and portable systems to communicate wirelessly with standard USB peripherals including printers, scanners, hard disk drives, keyboards and mice.



General Specifications

Product Name Wireless USB Adapter	Antenna Omni Directional horizontally polarized, Peak Gain 3 dBi. (typ.)
Model Number WUWBW-106X	LED indicator Wireless radio state indicators
Host Interface USB 2.0 specification compliant	Supplied Driver Windows 98SE/ME/2000/XP(SP2)
Dimensions 21 x 71 x 9 mm (PCB, USB connect and shielding cover)	Standards IEEE 802.15.3a (Ultra-Wideband draft standard)
Frequency Band US Version: 3.168 GHz to 4.752 GHz, Japan Version: 4.224 GHz to 4.752 GHz	Warranty 1 year
Number of Channel WiMedia Mode 1, MB-OFDM Band Group 1: 3432 MHz, 3960 MHz, 4488 MHz (center freq)	Temperature Range 0 ~ 40°C (Operating); -20 ~ 85°C (Storing)
Operating Voltage 5 VDC ± 10%	Humidity Operating Humidity 10% to 85% Non-Condensing Storage Humidity 5% to 90% Non-Condensing
Modulation Multiband-OFDM	Operating Range Open Space: Close to 10 meter (The transmission speed varies in the surrounding environment)
Forward error correction Binary Convolutional Coding on BPSK, QPSK, SR-BCC on 16-QAM, 36-QAM	Management Utility Configuration Utility for network join and diagnostics
Data Rate 53.3, 80, 106.7, 160, 200, 320, 400, 480 Mbps	