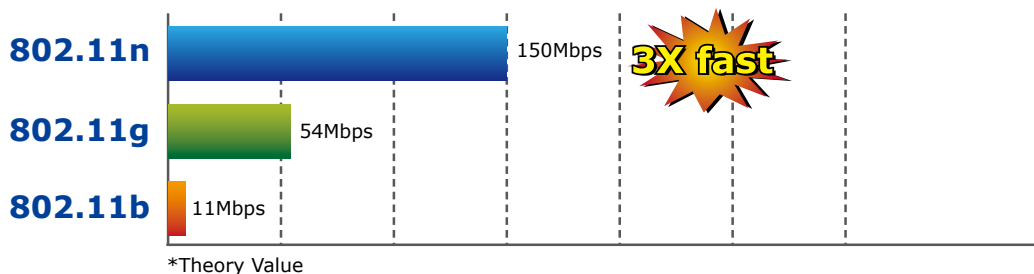# 802.11n Micro Wireless USB Adapter

### Ultra Mini Size Portable USB Adapter Boost 11n Performance

The PLANET WNL-U554M is specially designed for users who need high mobility and provides 150Mbps 802.11n high speed wireless transmission. The ultra mini size compact design of WNL-U554M is convenient to carry for all mobile users. Users will not need to remove it from the laptop anymore, no matter operating, moving, or even put the laptop back to the briefcase. It is just like a part of the laptop or PC and hidden very well once it is plugged into USB port.

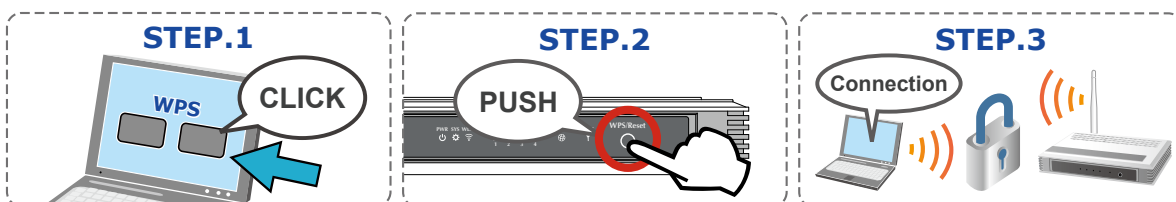### High Speed 802.11n Wireless Experience

The WNL-U554M Wireless Micro USB adapter offers a reliable and cost effective wireless extending solution.  It adopts IEEE 802.11n technology and is backward compatible with IEEE 802.11b and 802.11g.  The WNL-U554M USB 2.0 supported interface that integrates one transmit channel and one concurrent receive channel, enables the speed up to 150Mbps for both data upload and download. With the ultra compact design, the WNL-U554M helps to upgrade the uses laptop and PC from 802.11b/g wireless to 150Mbps 802.11n wireless seamlessly.

**802.11n** — 150Mbps — 3X fast

**802.11g** — 54Mbps

**802.11b** — 11Mbps

*Theory Value

### Advanced Wireless Security

The WNL-U554M provides advanced security features including 64/128-bit WEP, WPA / WPA2 and WPA-PSK / WPA2-PSK with TKIP/AES encryption. Moreover, in order to simplify the security configurations, WPS (Wi-Fi Protected Setup) function is included to offer a convenient and fast method for users as well.

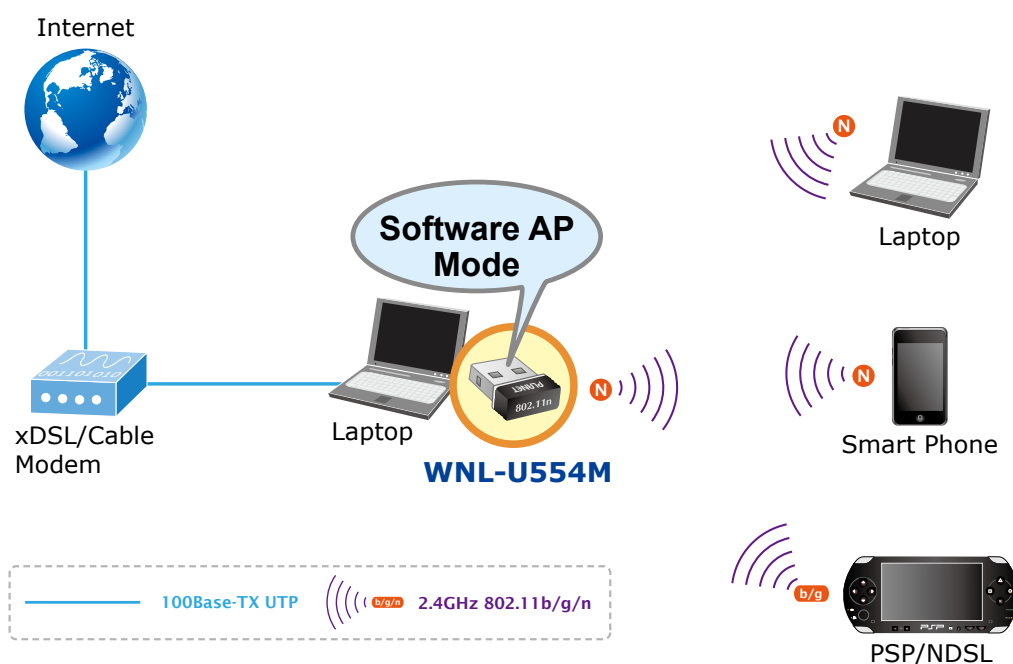## WPS (Wi-Fi Protected Setup)
Quick & Easy Wireless connection

STEP.1 — WPS — CLICK

STEP.2 — PUSH — WPS/Reset

STEP.3 — Connection

*Multiple OS Compliant*

The WNL-U554M supports most popular operating systems including Windows 2000, XP, Vista, Win7, Linux, and MAC OS X. With high speed capability, users can have higher wireless transmission speed anywhere and anytime.

*Software Access Point Function for Wireless Connection Sharing*

Ever experience that there is only wired Internet access available in the hotel room so you could not have your PDA, Smart Phone or iPad access to Internet by wireless?　Or, you have to wait for Internet access in turn with your roommate?　More than just being an adapter for PC and laptop connecting to high speed wireless network, the WNL-U554M can also become a wireless access point.　By applying the USB Wireless LAN Utility included in the package, users can switch the WNL-U554M operation between Station mode and Access Point mode.　When the WNL-U554M is in the Access Point mode, it enables the connected Wi-Fi devices such as iPhone / Android / Symbian / Windows smart mobile phone, iPod Touch / iPad  and NDS / PSP turn to a Wi-Fi Hotspot and can share wireless access.

*Easy Installation Wizard*

The WNL-U554M provides an easy installation wizard in 35 languages. It guides users step by step through the installation process.
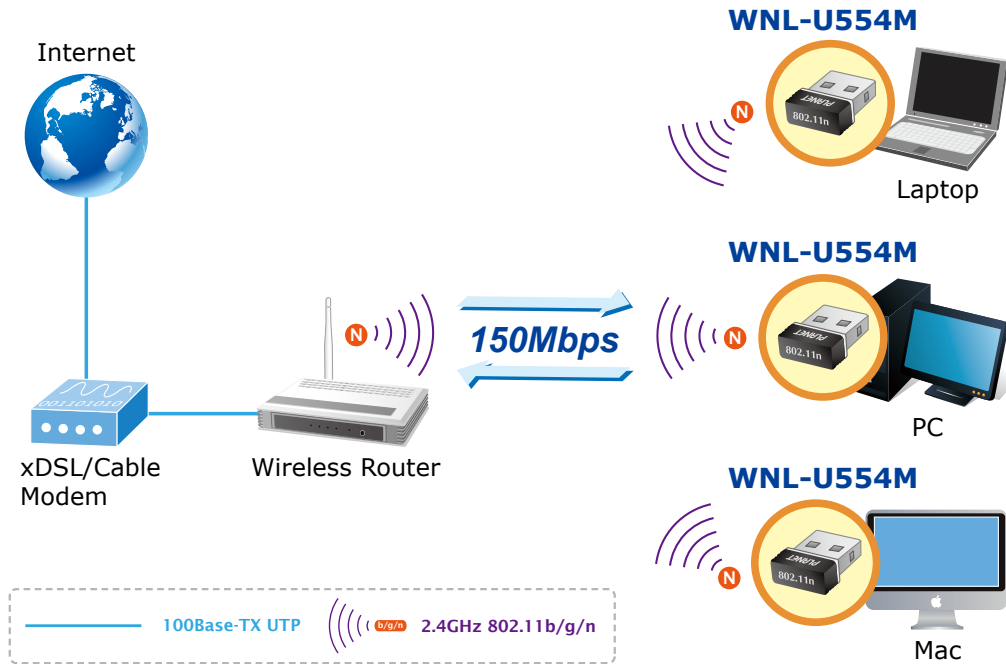
## KEY FEATURES

- Ultra mini size, portable and compact design
- 2.4GHz ISM band, unlicensed operation
- Compliant with IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
- Provides up to 150Mbps download and 150Mbps upload data rate
- Wi-Fi Protected Setup (WPS) support
- Supports WEP 64/128, WPA, WPA-PSK, WPA2, WPA2-PSK (TKIP/AES encryption)

- Supports QoS-WMM (WiFi Multi-Media) function / WMM-PS
- Software AP Function for wireless sharing
- USB 2.0 / 1.1  attached interface
- Supports most popular operating systems including Windows 2000, XP, Vista, Win7, Linux, and MAC OS X

Data Sheet

2

## APPLICATIONS

*Easy to Use and Safety Connection*

Connect the WNL-U554M to your PC or notebook, you can easily share a secure wireless network for high-speed Internet access, file transmission or media stream in your home or office. Moreover, the WNL-U554M enhances the safety connection by multiple advanced security features.

## SPECIFICATION

| Product | 802.11n Micro Wireless USB Adapter |
|---|---|
| Model | WNL-U554M |
| **Hardware Specification** | |
| Interface | USB 2.0, Type-A |
| Antenna | 1x Internal Omni-directional Antenna (1T1R) |
| LED | 1 x Link / Active (Green) |
| Operation Voltage | 5V DC, power source from USB port |
| Dimension (W x D x H) | 18 x 14.4 x 6 mm |
| Weight | 0.3g |
| **Wireless Specification** | |
| Standards Conformance | IEEE 802.11n<br>IEEE 802.11g<br>IEEE 802.11b |
| RF Modulation | DBPSK, DQPSK, CCK, OFDM |
| Frequency Band | 2412MHz~2483.5MHz |
| Data Rate | 802.11n(20MHz): up to 72 Mbps<br>(40MHz): up to 150 Mbps<br>802.11g: 6/9/12/24/36/48/54Mbps<br>802.11b: 1/2/5.5/11Mbps |
| Wireless Transmit Power | ≤ 20 dBm (EIRP) |
| Receiver Sensitivity | 135M: -68dBm@10% PER<br>54M: -68dBm@10% PER<br>11M: -85dBm@8% PER |
| Operating Mode | Ad-Hoc, Infrastructure, Soft AP |
| Encryption Security | WEP 64/128-bit<br>WPA-PSK / WPA2-PSK (TKIP/AES)<br>WPA / WPA2 (TKIP/AES) |
| Wireless Advanced | Supports 802.11e WMM (Wi-Fi Multimedia)<br>Supports software WPS (Wi-Fi Protected Setup) |
| Management | The utility included in the package or Windows XP Zero Configuration utility |
| Operating Systems | Windows 2000/XP (x86/x64) / VISTA (x86/x64) / Win7 (x86/x64)<br>Linux Kernel 2.4/2.6<br>Macintosh 10.4/10.5/10.6 |
| **Environment** | |
| Temperature | Operating :0 ~ 40 Degree C<br>Storage: -40 ~ 70 Degree C |
| Humidity | Operating: 10 ~ 90% (Non-Condensing)<br>Storage: 5 ~ 95% (Non-Condensing) |

## ORDERING INFORMATION

| WNL-U554M | 802.11n Micro Wireless USB Adapter |
|---|---|

C-WNL-U554M