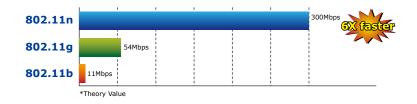# High Power 802.11n Wireless Compact USB Adapter

PLANET WNL-U555HA High Power 802.11n Wireless Compact USB Adapter features a high-gain 5dBi Wi-Fi upgradable antenna and high power output to overly double the wireless coverage and sensitivity of its standard wireless 11n adapters. It also provides powerful and stable performance to Windows/Linux Laptop, PC, or Mac linked to unlimited wireless network.

High Speed 802.11n Wireless Experience

The WNL-U555HA offers a reliable and cost-effective wireless extended solution. It adopts IEEE 802.11n technology and is backward compatible with IEEE 802.11b and 802.11g. The WNL-U555HA supports USB 2.0 interface that integrates with one transmit channel and one concurrent receive channel to enable the speed to go up to 150Mbps for both data upload and download.

802.11n — 300Mbps — 6X faster
802.11g — 54Mbps
802.11b — 11Mbps
*Theory Value

Product Features

- Detachable RP-SMA connector with 5dBi antenna
- High Gain, High Power, High Speed
- 2.4GHz ISM band, unlicensed operation
- Compliant with IEEE 802.11b/g/n
- High Power up to 300mW for extending wireless coverage
- Provides up to 150Mbps for both data download and upload
- Wi-Fi Protected Setup (WPS) support
- Supports WEP 64/128-bit, WPA, WPA-PSK, WPA2, WPA2-PSK (TKIP/AES encryption)
- Supports QoS-WMM (Wi-Fi Multi-media) function / WMM-PS
- Supports Software AP mode
- USB 2.0 / 1.1 attached interface
- Ultra-Sleek, compact and light weight design
- Supports most popular OS including Windows 2000, XP, Vista, Win7, Linux, and MAC OS X

Wireless Coverage Plus !

The WNL-555HA is equipped with external 5dBi High-Gain antenna which provides strong signal and excellent performance even in the long range or bad environment. With detachable SMA connector design in the WNL-U555HA, it allows users to manually exchange higher gain antenna for further wireless coverage range.

High Power — WNL-U555HA
High Gain — WNL-U554A
Normal — WNL-U554

RP-SMA Connector   5dBi High-Gain Antenna

Advanced Wireless Security

The WNL-U555HA provides advanced security features including 64/128-bit WEP, WPA / WPA2 and WPA-PSK / WPA2-PSK with TKIP/AES encryption. Furthermore, in order to simplify the security configurations, WPS (Wi-Fi Protected Setup) function is included to offer a convenient and fast connection method for users as well.
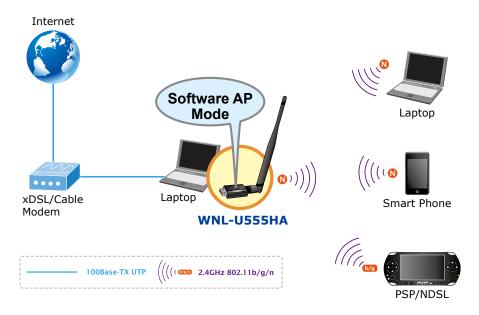
Multiple OS Compliant

The WNL-U555HA supports the 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, anytime.

Software Access Point Function for Wireless Connection Sharing

More than just being an adapter for PC and laptop connecting to high speed wireless network, the WNL-U555HA can also become a wireless access point. By applying the USB Wireless LAN Utility included in the package, users can switch the WNL-U555HA operation mode between Station mode and Access Point mode. When the WNL-U555HA is in the Access Point mode, it turns to a Wi-Fi Hotspot. The Wi-Fi supported devices such as iPhone / Android / Symbian / Windows Phone / iPod Touch / iPad / NDS / PSP can connect to it and share the wireless access easily. Therefore, travelers would then be worry-free to connect to Internet wirelessly via the WNL-U555HA when there is only wired Internet available anywhere.
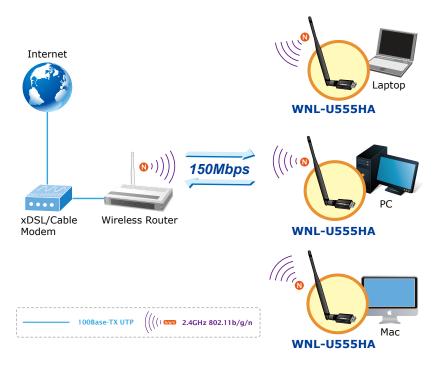

Easy Installation Wizard

The WNL-U555HA provides an easy installation wizard in 35 languages. It guides users to easily complete the product installation step by step through the whole process.
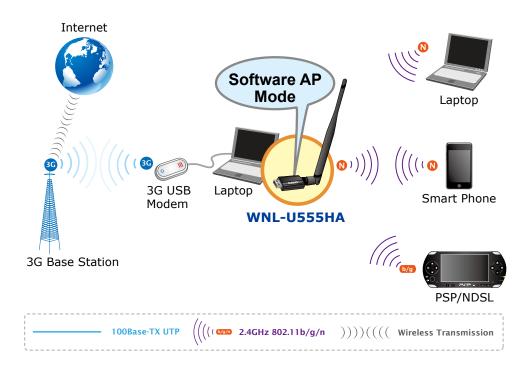
Applications

Easy and Safe Wireless Connection

Connect the WNL-U555HA to your PC or laptop/notebook and you can then easily share a secure wireless network for high-speed Internet access, file transmission or media stream in your home and office. Moreover, the WNL-U555HA also supports multiple-advanced security features to enhance the safety connection.

Flexible Wi-Fi Hotspot

The WNL-U555HA is one of the best choices for wireless LAN environment. With the built-in Soft AP function in the WNL-U555HA, you can flexibly share the xDSL / Cable or 3G / 3.5G Internet connection with other people.

Product Specifications

Product	802.11n Wireless USB Adapter
Model	WNL-U555HA
Hardware Specifications	
Interface	USB 2.0, Type-A
Antenna	1 x Detachable RP-SMA connector with 5dBi Antenna (1T1R)
LED	1 x Link / Active (Blue)
Operation Voltage	5V DC, power source from USB port
Dimensions (W x D x H)	49 x 26 x 10 mm
Weight	37g
Wireless Specifications	
Standards Conformance	IEEE 802.11n IEEE 802.11g IEEE 802.11b
RF Modulation	DBPSK, DQPSK, CCK, OFDM
Frequency Band	2.4000-2.4835 GHz
Data Rate	802.11n (20MHz): up to 72 Mbps (40MHz): up to 150 Mbps 802.11g: 6/9/12/24/36/48/54Mbps 802.11b: 1/2/5.5/11Mbps
Wireless Transmit Power	802.11b: 25 ± 1dBm 802.11g: 20 ± 1dBm 802.11n: 19 ± 1dBm
Receiver Sensitivity	802.11b: -95dBm 802.11g: -92dBm 802.11n: -90dBm
Operating Mode	Ad-Hoc / Infrastructure, Soft AP
Encryption Security	WEP 64/128-bit WPA-PSK / WPA2-PSK (TKIP/AES) WPA / WPA2 (TKIP/AES)
Advanced Wireless Function	Supports 802.11e WMM (Wi-Fi Multimedia) Supports WPS (Wi-Fi Protected Setup) by software
Management	The included utility or Windows XP Zero Configuration utility
Operating Systems	Windows 2000/XP (x86/x64) / VISTA (x86/x64) / Win7 (x86/x64) Linux Kernel 2.4 /2.6 Macintosh 10.4/10.5/10.6
Environment	
Temperature	Operating :0 ~ 60 degrees C Storage: -20 ~ 70 degrees C
Humidity	Operating: 10-90% (non-condensing) Storage: 5-95% (non-condensing)

Ordering Information

WNL-U555HA	802.11n Wireless High Power USB Adapter

PLANET Technology Corporation

11F., No.96, Minquan Rd., Xindian Dist., New Taipei City
231, Taiwan (R.O.C.)
Tel: 886-2-2219-9518   Fax: 886-2-2219-9528
Email: sales@planet.com.tw   www.planet.com.tw

C-WNL-U555HA