300Mbps 802.11n Wireless Micro-size USB Adapter

Ultra Mini Size Portable USB Adapter Boosts Real 300Mbps Wireless Performance

PLANET WNL-U556M Wireless Micro USB adapter is specially designed for users who need high mobility, and provides real 300Mbps 802.11n high speed wireless transmission. It adopts 2T2R 11n wireless chipset with excellent internal antenna design to not only provide reliable WiFi connection but also achieve simultaneous 300Mbps download / upload speeds and greater coverage than generic wireless USB adapters. The ultra mini size compact design of the WNL-U556M is convenient to carry for all mobile users. The WNL-U556M can be hidden very well, just like a part of the laptop or PC, once it is plugged into the USB port.
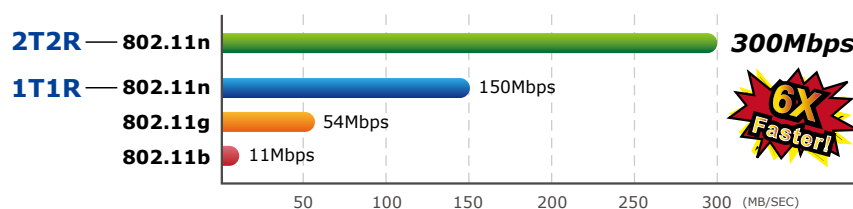

High Speed 802.11n Wireless Experience

The WNL-U556M offers a reliable and cost effective wireless extending solution. It adopts IEEE 802.11n radio with 2T2R MIMO antenna technology to improve wireless speed and coverage with up to 300Mbps data rate for both upload and download. The incredible wireless speed makes it ideal for handling multiple HD movies stream, high resolution on-line game, stereo music, VoIP and data streams at the same time stably and smoothly. It is also backward compliant with 802.11g and 802.11b standards and thus there is no need to change the existing network for maintaining connectivity. With the ultra compact design, the WNL-U556M helps to upgrade the users' laptop and PC from 802.11b/g wireless to 300Mbps 802.11n wireless seamlessly. Just plug into the WNL-U556M and you can immediately enjoy the high-speed wireless sharing.

- Ultra mini size, portable and compact design

- 2.4GHz ISM band, unlicensed operation

- Compliant with IEEE 802.11b/g/n

- Provides up to 300Mbps download and 300Mbps upload data rate

- Wi-Fi Protected Setup (WPS) support

- Supports WEP 64/128-bit, WPA / WPA2, WPA-PSK / WPA2-PSK (TKIP/AES encryption)

- Supports Software AP mode

- Supports Wireless QoS (WMM)

- Adjustable Transmit Power

- USB 2.0 attached interface

- Supports the most popular operating systems including Windows 2000, XP, Vista, Windows 7, Windows 8, Linux, and MAC OS X.

2T2R — 802.11n — 300Mbps
1T1R — 802.11n — 150Mbps
802.11g — 54Mbps
802.11b — 11Mbps

6X Faster!

50   100   150   200   250   300   (MB/SEC)

Superior 3D Antenna Design

The WNL-U556M sustains powerful wireless transmission capability regardless of its micro size design. Its internal 2dbi PIFA antenna is designed in 3D structure for satisfying the compact antenna area in the micro-size dimension, which provides stronger and more stable signal than Printed or Chip antennas widely applied in generic adapters. Therefore, users may experience superior wireless transmission and wireless coverage offered by the WNL-U556M which takes even smaller space.

360 Degree High Performance PIFA Antenna
No worry about dead spots

Advanced Wireless Security and Easy Wireless Connection

To secure the wireless transmission, the WNL-U556M 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, the WNL-U556M offers **WPS** (Wi-Fi Protected Setup) function for users connecting to wireless access quickly. It especially has a WPS button even more convenient than general wireless USB adapters which only provide WPS via software. Users can easily connect to the existing wireless network by pushing the WPS button.
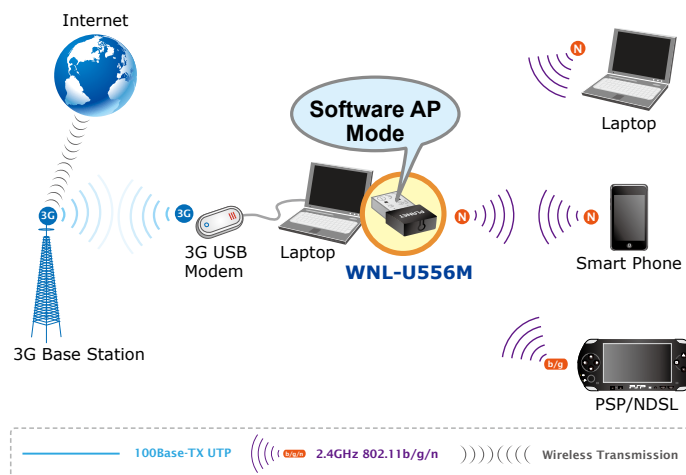
WPS (Wi-Fi Protected Setup)
Quick & Easy Wireless Connection

STEP 1   STEP 2   STEP 3
Press   Press   Connected
WPS   WPS Button
Button

Multiple OS Compliances

The WNL-U556M supports the most popular operating systems including Windows 2000, XP, Vista, Windows 7, Linux, MAC OS X and even the latest Windows 8. With high speed capability of the WNL-U556M, users can enjoy higher wireless transmission speed anywhere, anytime.

Mac OSX Compatible

Wireless Connection Sharing via Software Access Point Function
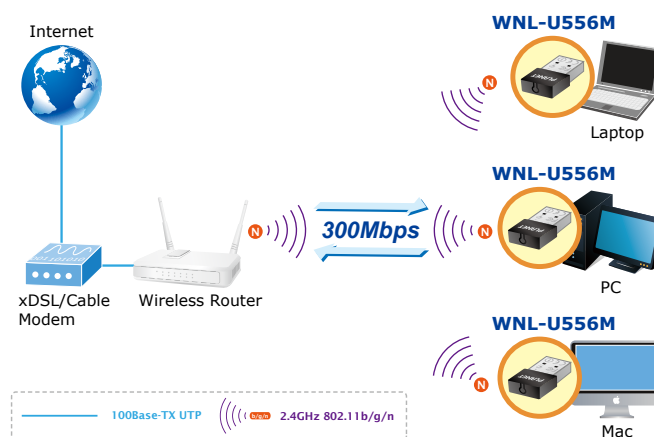
Ever experience that there is only wired Internet access available in the hotel room so you could not have your PDA, Smart Phone or iPad wirelessly accessed to Internet? More than just being an adapter for PC and laptop connecting to high speed wireless network, the WNL-U556M can also become a wireless access point. With the USB Wireless LAN Utility included in the package, users can switch the WNL-U556M operation between Station mode and Access Point mode. When the WNL-U556M 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 to turn to a Wi-Fi Hotspot and share wireless access conveniently.

Applications

User-friendly and Secure Connection

By connecting the WNL-U556M to your PC or laptop, you can easily share a secure wireless network with high-speed Internet access, file transmission and media stream in your home or office. Moreover, the WNL-U556M enhances the safety connection by multiple advanced security features.

Wirelessly Barebone and Thin Client Application

The WNL-U556M allows you to add wireless connection ability for PC, barebone or Thin Client to connect with WiFi network. The innovative ultra mini size design makes the WNL-U556M perfect for Internet access in high mobility and can be installed anywhere the wireless client is located in without any UTP cable restriction.

Specifications

Product	300Mbps 802.11n Wireless Micro-size USB Adapter
Model	WNL-U556M
Hardware Specifications	
Interface	USB 2.0, Type-A
Antenna Type	Internal Omni-directional PIFA Antenna
Antenna Gain	2dBi
Button	WPS Push Button (PBC mode) to launch WPS connection
LED	1 x Link / Active (Green)
Operation Voltage	5V DC, power input from USB port
Dimensions (W x D x H)	29 x 14.4 x 6 mm
Wireless Specifications	
Standards Conformance	IEEE 802.11n standard compliant IEEE 802.11b/g backwards compatible
RF Modulation	DBPSK, DQPSK, CCK, OFDM
Frequency Band	2.4 - 2.4835 GHz
Operating Channel	America / FCC: 2.414~2.462GHz (11 Channels) Europe / ETSI: 2.412~2.472GHz (13 Channels) Japan / TELEC: 2.412~2.484GHz (14 Channels)
Data Rate	802.11b: 11, 5.5, 2 and 1Mbps with auto-rate fall back 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps 802.11n (20MHz): up to 144.4Mbps 802.11n (40MHz): up to 300Mbp
Wireless Transmit Power (EIRP)	802.11b: 18 ± 1dBm 802.11g: 15 ± 1dBm 802.11n: 13 ± 1dBm
Receiver Sensitivity	IEEE 802.11b: -85dBm IEEE 802.11g: -70dBm IEEE 802.11n: -68dBm
Operating Mode	Ad-Hoc / Infrastructure, Soft AP
Encryption Security	WEP 64/128-bit WPA / WPA2 (TKIP/AES) WPA-PSK / WPA2-PSK (TKIP/AES)
Wireless Advanced Setup	Supports 802.11e WMM (Wi-Fi Multimedia) Supports Software/Hardware WPS (Wi-Fi Protected Setup)
Management Tool	The utility included in the package or Windows XP Zero Configuration utility
Operating Systems	Windows 2000/XP (x86/x64) / VISTA (x86/x64) / Windows 7 (x86/x64) / Windows 8 Linux Kernel 2.4 /2.6 Macintosh 10.4/10.5/10.6
Certification	
Emission	CE, FCC
Environment	
Operating Temperature	0 ~ 40 degrees C (32 ~ 104 degrees F)
Humidity	10 ~ 90%, non condensing
Package	
Package Content	■ WNL-U556M (300Mbps 802.11n Wireless Micro-size USB Adapter) ■ Quick Installation Guide ■ CD (includes driver, utility and user's manual)

Ordering Information

WNL-U556M	300Mbps 802.11n Wireless Micro-size USB Adapter