



N900 Dual Band Wireless USB Adapter TEW-684UB (v1.0R)

TRENDnet's N900 Wireless USB Adapter, model TEW-684UB, connects a laptop or desktop computer to an ultra-high performance 450 Mbps dual band wireless network. Quickly connect to a 450 Mbps 2.4 GHz or 5 GHz wireless network at the touch of a button with the convenience of one-touch Wi-Fi Protected Setup (WPS). Seamlessly stream HD video over the less congested 5 GHz band.

Place the adapter in the most ergonomic location with the included USB extension cable. Advanced Multiple Input Multiple Output (MIMO) antenna technology with three spatial streams per antenna generates a maximum theoretical wireless throughput of 450 Mbps. WMM® Quality of Service (QoS) technology prioritizes gaming, Internet calls, and video streams. LEDs on the front of the adapter convey device status. Upgrade your computer's wireless connection to experience the speed of a 450 Mbps network.

PRODUCT OVERVIEW

- Upgrade your computer to 450 Mbps Dual Band Wireless N
- Seamlessly stream HD video over the less congested 5 GHz band
- Position the adapter in the optimum location using the USB extension cable
- Powered by the computers' USB port
- One-touch connection to router with Wi-Fi Protected Setup (WPS)

FEATURES

- 1 x USB 2.0 connector
- Wi-Fi compliant with IEEE 802.11n/g/b/a standards
- One-touch wireless connection with external Wi-Fi Protected Setup (WPS) button
- Multiple Input Multiple Output (MIMO) technology
- Maximum reliability, throughput, and connectivity with automatic data rate switching
- Supports 64/128-bit WEP, WPA/WPA2-RADIUS, and WPA-PSK/WPA2-PSK
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
- Easy user setup and intuitive diagnostic utility
- Coverage of up to 100 meters indoor (330 feet) and 300 meters outdoor (980 feet)*
- 3-year limited warranty

SPECIFICATIONS

HARDWARE

Interface	<ul style="list-style-type: none">• USB 2.0
Standards	<ul style="list-style-type: none">• IEEE 802.11a, IEEE 802.11b, IEEE 802.11g and IEEE 802.11n
Button	<ul style="list-style-type: none">• WPS button: enables quick wireless connection with WPS function
Power Consumption	<ul style="list-style-type: none">• Receive mode: 406 mA (max.)• Transmit mode : 428 mA (max)
Supported OS	<ul style="list-style-type: none">• Windows 7 (32/64-bit), Vista (32/64-bit), XP and 2000
Dimensions (LxWxH)	<ul style="list-style-type: none">• 72 x 50 x 31 mm (2.8 x 2.0 x 1.2 in.)
Weight	<ul style="list-style-type: none">• 40 g (1.41 oz)
Temperature	<ul style="list-style-type: none">• Operating: 0° ~ 40° C (32° ~ 104° F)• Storage: -20° ~ 60° C (-4° ~ 140° F)
Humidity	<ul style="list-style-type: none">• Max 85% (non-condensing)
Certifications	<ul style="list-style-type: none">• CE, FCC

WIRELESS

Modulation	<ul style="list-style-type: none">• CCK/ OFDM - BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK
Antenna	<ul style="list-style-type: none">• 2.4 GHz: 2 dBi (built-in on board)• 5 GHz: 1 dBi (built-in on board)
Frequency	<ul style="list-style-type: none">• 802.11b/g/n: 2.412 ~ 2.484 GHz• 802.11a/n: 5.15 ~ 5.825 GHz (FCC), 5.470 ~ 5.725 GHz (ETSI)
Data Rate (auto fallback)	<ul style="list-style-type: none">• 802.11a: up to 54 Mbps• 802.11b: up to 11 Mbps• 802.11g: up to 54 Mbps• 802.11n: up to 450 Mbps
Output Power	<ul style="list-style-type: none">• 802.11a: 13 dBm (typical)• 802.11b: 18 dBm (typical)• 802.11g: 15 dBm (typical)• 802.11n/g: 13 dBm (typical)• 802.11n/a: 11 dBm (typical)
Receiving Sensitivity	<ul style="list-style-type: none">• 802.11b: -84 dBm (typical) at 11Mbps• 802.11g: -72 dBm (typical) at 54 Mbps• 802.11n/g: -65 dBm (typical) at 450 Mbps• 802.11n/a: -64 dBm (typical) at 450 Mbps
Encryption	<ul style="list-style-type: none">• 64/128-bit WEP, WPA/WPA2-RADIUS, WPA-PSK/WPA2-PSK
Channels	<ul style="list-style-type: none">• 802.11b/g/n: 1~11 (FCC), 1~13 (ETSI)• 802.11a/n: 36, 40, 44, 48, 149, 153, 157, 161, 165 (FCC), 36, 40, 44, 48 (ETSI)

* Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.

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NETWORKING SOLUTIONS



PACKAGE CONTENTS

TEW-684UB

CD-ROM (Utility and Driver)

Multi-Language Quick Installation Guide

USB cable 100 cm (39.3 in)

RELATED PRODUCTS

TEW-691GR	N450 Wireless Gigabit Router
TEW-690AP	N450 Wireless Access Point
TEW-687GA	N450 Wireless Gaming Adapter

CONTACT INFORMATION

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