



450Mbps Wireless N Gaming Adapter TEW-687GA(V1.0R)

TRENDnet's 450Mbps Wireless N Gaming Adapter, model TEW-687GA, networks gaming consoles, televisions, and DVRs to the Internet with an ultra-high performance 450Mbps wireless connection.

Setup is quick and simple, with no drivers to install and a Gigabit Ethernet port transfers wired data fast.

Advanced Multiple Input Multiple Output (MIMO) antenna technology with three spatial streams per antenna generates a maximum theoretical wireless throughput of 450Mbps. Connect to a router at the touch of a button with Wi-Fi Protected Setup (WPS). WMM[®] Quality of Service (QoS) technology prioritizes gaming, Internet calls, and video streams. LEDs on the front of the adapter convey device status. Cut your cables and start winning with ultra-high performance 450Mbps wireless n.

Features

- 1 x 10/100/1000Mbps Auto-MDIX LAN port
- 1 x Wi-Fi Protected Setup (WPS) button
- 1 x Reset button
- Diagnostic LEDs
- High performance wireless data rates of up to 450Mbps
- Wi-Fi compliant with the IEEE 802.11n standard
- Backwards compatible with IEEE 802.11g/b devices
- Supports 64/128-bit WEP, WPA-PSK, and WPA2-PSK wireless security
- Power Save mode conserves electricity
- Supports Multiple Input Multiple Output (MIMO) antenna technology
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
- One-touch wireless security setup using the Wi-Fi Protected Setup (WPS) button when connecting to a WPS supported device
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Easy user setup wizard and intuitive Web browser configuration
- Coverage of up to 50 meters indoor, 100 meters outdoor *
- 3-year limited warranty

* 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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SPECIFICATIONS

Hardware	
Standards	• IEEE 802.11b, IEEE 802.11g, and IEEE 802.11n
Interface	• 1 x 10/100/1000Mbps Auto-MDIX LAN ports
LED Indicator	• Power, LAN, Wireless, WPS
Power	• 12V DC 0.5A power adapter
Button	• Reset button – restores factory default settings • WPS button – enables WPS function
Power Consumption	• 4.5 watts (max)
Dimensions (LxWxH)	• 60 x 118 x 135 mm (2.4 x 4.6 x 5.3 in.)
Weight	• 153 g (5.4 oz.)
Temperature	• Operating: 0° ~ 40° C (32° ~ 104° F) • Storage: -20° ~ 60° C (-4° ~ 140° F)
Humidity	• Max. 90% (non-condensing)
Certifications	• CE, FCC
Wireless	
Frequency	• 2.412 ~ 2.472 GHz
Data Rate (auto fallback)	• 802.11b: up to 11Mbps • 802.11g: up to 54Mbps • 802.11n: up to 450Mbps
Output Power	• 802.11b: 18dBm (typical) • 802.11g: 15dBm (typical) • 802.11n : 13dBm (typical)
Receiving Sensitivity	• 802.11b: -84dBm (typical) • 802.11g: -72dBm (typical) • 802.11n: -69dBm (typical)
Encryption	• 64/128-bit WEP , WPA/WPA2-PSK
Channels	• 1~ 11 (FCC), 1~13 (ETSI)

NETWORKING SOLUTIONS



PACKAGE CONTENTS

- TEW-687GA
- CD-ROM (Utility and User's Guide)
- Multi-Language Quick Installation Guide
- 1 x Cat. 5 Ethernet cable (0.6 m / 2 ft.)
- Power adapter (12V DC, 0.5A)

RELATED PRODUCTS

TEW-691GR	450Mbps Wireless N Gigabit Router
TEW-690AP	450Mbps Wireless N Access Point
TEW-640MB	300Mbps Wireless N 4-Port Media Bridge

CONTACT INFORMATION

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