TRENDnet®

N600 Wireless Dual Band PCIe Adapter
TEW-726EC (v1.0R)

TRENDnet's N600 Wireless Dual Band PCIe Adapter, model TEW-726EC, upgrades a desktop computer to proven 300 Mbps dual band wireless speed and coverage.

Quickly connect to a common 2.4 GHz or a less congested 5 GHz wireless network to seamlessly stream HD video and surf the internet. Advanced WPA and WPA2 encryption protects your wireless network. Multiple Input Multiple Output (MIMO) antenna technology increases wireless coverage and signal strength. WMM® Quality of Service (QoS) technology prioritizes gaming, Internet calls, and video streams.

PRODUCT OVERVIEW

• Easy setup

• Upgrade your desktop to 300 Mbps Dual Band Wireless N

• Seamlessly stream HD video over the less congested 5 GHz band

• Low profile bracket included

• Works with a standard PCI Express (PCIe) slot

• Compatible with Windows operating systems

FEATURES

• Wi-Fi compliant with IEEE 802.11n standard (dual band 802.11n 2.4 GHz or 5 GHz connection)

• Backwards compatible with IEEE 802.11g, IEEE 802.11b, and IEEE 802.11a networks

• Detachable antennas

• Low profile bracket included

• LED activity indicator

• Interface PCI Express

• Multiple Input Multiple Output (MIMO) antenna technology

• Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization

• Supports Infrastructure mode via Access Point and ad-hoc network via peer to peer communication

• Maximum reliability, throughput, and connectivity with Automatic Data Rate Switching

• Supports advanced wireless encryption up to WPA2-RADIUS

• Compatible with Windows 8.1 (32/64-bit), Windows 8 (32/64-bit), 7 (32/64-bit), Vista (32-bit), and XP (32/64-bit) operating systems

• Easy user setup & diagnostic utilities

• Coverage of up to 100 meters indoor (330 feet) and 300 meters outdoor (980 feet)*

• 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.

SPECIFICATIONS

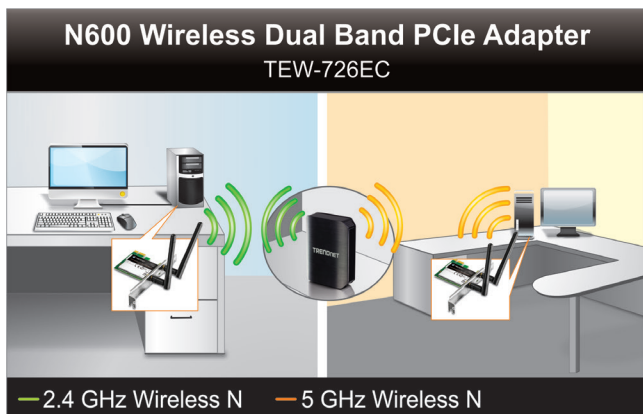| HARDWARE	
Interface	• PCI Express 1.0
Standards	• IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
LED Indicator	• Data transmission: blinking • Link established: solid • WPS (Wi-Fi Protected Setup): blinking rapidly • Disconnected: blinks every ten seconds
Power Consumption	• Transmit mode: 670 mA max • Receive mode: 350 mA max
Supported OS	• Windows 8.1 (32/64-bit), Windows 8 (32/64-bit), 7 (32/64-bit), Vista (32-bit), XP (32/64-bit)
Dimensions	• 66 x 55 mm
Weight	• 45 g (1.6 oz)
Temperature	• Operating: 0° ~ 40° C (32° ~ 104° F) • Storage: -20° ~ 75° C (-4° ~ 167° F)
Humidity	• 90% max (non-condensing)
Certifications	• CE, FCC

WIRELESS	
Modulation	• DBPSK, DQPSK, DSSS, CCK, BPSK, QPSK, 16-QAM/64-QAM with OFDM
Antenna	• 2 x 2 dBi dipole detachable antennas with reverse SMA connector
Frequency	• 802.11b/g/n: 2.400 ~ 2.483 GHz • 802.11a/n: 5.150 ~ 5.350 GHz / 5.725 ~ 5.825 GHz (FCC) 5.150 ~ 5.350 GHz / 5.470 ~ 5.725 GHz (ETSI)
Data Rate (auto fallback)	• 802.11a: up to 54 Mbps • 802.11b: up to 11 Mbps • 802.11g: up to 54 Mbps • 802.11n: up to 300 Mbps (for 2.4 or 5 GHz)

Output Power	• 2.4 GHz: Typical RF Output Power (tolerance +/- 2 dB)
	    • 802.11b: 18 dBm
	    • 802.11g: 18 dBm
	    • 802.11n: HT20: 18 dBm
	              HT40: 13 dBm
	• 5 GHz: Typical RF Output Power (tolerance +/- 2 dB)
	    • 802.11a: 16 dBm
	    • 802.11n: HT20: 13 dBm
	              HT40: 13 dBm

Receiving Sensitivity	• 802.11a: -65 dBm (typical) at 54 Mbps • 802.11b: -76 dBm (typical) at 11 Mbps • 802.11g: -65 dBm (typical) at 54 Mbps • 802.11n: -62 dBm (typical) at 300 Mbps (for 2.4 or 5 GHz)
Encryption	• 64/128-bit WEP, WPA / WPA2-PSK, WPA/WPA2-RADIUS
Channels	• 2.4 GHz: 1~11 (FCC), 1~13 (ETSI) • 5 GHz: 36, 40, 44, 48, 149, 153, 157, 161, 165 (FCC) 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140 (ETSI)

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NETWORKING SOLUTIONS

N600 Wireless Dual Band PCIe Adapter
TEW-726EC

— 2.4 GHz Wireless N   — 5 GHz Wireless N

PACKAGE CONTENTS

TEW-726EC

CD-ROM (Utility & User's Guide)

Multi-Language Quick Installation Guide

Standard & Low Profile Brackets

RELATED PRODUCTS

TEW-692GR	N900 Dual Band Wireless Router
TEW-691GR	N450 Wireless Gigabit Router
TEW-731BR	N300 Wireless Home Router

CONTACT INFORMATION

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