



## 300Mbps Wireless N Express card TEW-642EC(V1.0R)

The 300Mbps\* Wireless N Express Card allows you to connect your laptop wirelessly with supercharged speed, range and reliability. Enjoy up to 8x the speed and 4x the coverage of a wireless g connection.

Upgrade to TRENDnet's Wireless N Express Card and enjoy faster than wired speeds with your wireless connection. Using an Express card enabled computer, experience the full capability of Wireless N performance.

Advanced wireless encryption protects your valuable data. PCI Express technology ensures the fastest communication and MIMO antenna technology maximizes wireless coverage. Install the product in minutes and seamlessly stream live media, download files, play games and talk online all at the same time, without decreasing wireless performance.

## FEATURES

- Upgrade your laptop and enjoy 300Mbps wireless n performance
- Highest data security with advanced wireless encryption: WEP, WPA, WPA2, WPA-PSK and WPA2-PSK
- 2 internal high gain antennas maximize wireless n performance with Multiple Input Multiple Output (MIMO) technology
- Improves data transfer speeds with a high performance serial data interface
- Seamless roams between wireless b, wireless g and wireless n networks
- Quick and intuitive installation process
- 8x the speed and 4x the coverage of wireless g\*
- Maximum throughput maintained with Automatic and Dynamic Data Rate Switching
- Windows-based wireless technology with a simple graphical user interface
- Stream videos, download files and play games from your laptop with no wireless lag
- Use Wi-Fi Protected Setup (WPS) to quickly and safely network your laptop to a router
- Compliant with IEEE 802.11g, 802.11b and 802.11n (draft 2.0) standards
- Works with most operating systems such as Windows 2000, XP and Vista
- 3-Year 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.

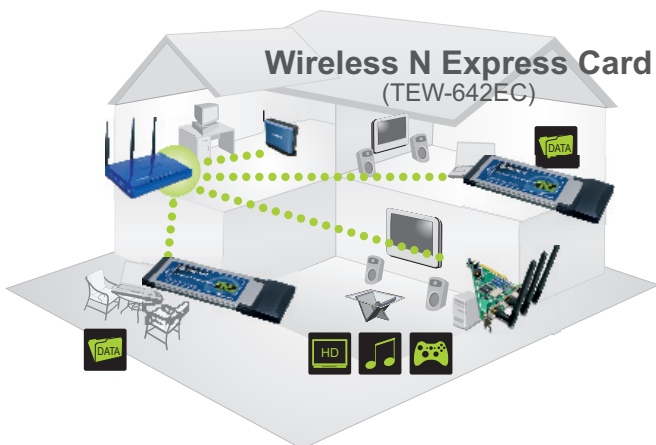
# 300Mbps Wireless N Express card

## TEW-642EC(V1.0R)

### SPECIFICATIONS

Hardware	
Interface	• ExpressCard/34
Standards	• IEEE 802.11b, IEEE 802.11g and IEEE 802.11n (draft 2.0)
LED Indicators	• Power, Link
Power Consumption	• Max. 550mA @3.3V
Supported OS	• Windows 2000, XP, Vista 32bit
Dimensions (LxWxH)	• 100x34x5mm (3.93x1.3x0.19in.)
Weight	• 20g (8oz)
Temperature	• 0° to 40° C (32° ~ 104° F)
Humidity	• 0° to 70° C (32° ~ 158° F)
Wireless	
Module Technique	• 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) • 802.11g/n: OFDM with BPSK, QPSK and 16/64-QAM sub-Carrier
Antenna	• Two PCB antennas built-in
Frequency	• 2.412 - 2.484 Ghz
Media Access Protocol	• CSMA/CA
Data Rate (auto fallback)	• 802.11n(draft): up to 300Mbps    • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6 Mbps • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, 1 Mbps
Output Power	• 802.11n: 6dBm (typical) with HT20 & HT40 • 802.11g: 15dBm (typical)    • 802.11b: 18dBm (typical)
Receiving Sensitivity	• 802.11n (draft 2.0) : -70dBm (typical) with HT40    • 802.11g: -72dBm (typical) @ 54Mbps • 802.11b: -84dBm (typical) @ 11mpbs
Encryption	• 64/128-bit WEP (Hex & ASCII), WPA/WPA2, WPA    • PSK/WPA2-PSK Encryption
Channels	• 1-11 (FCC) 1-13 (ETSI)

### NETWORKING SOLUTIONS



••••• 300Mbps, share multimedia throughout the house

### PACKAGE CONTENTS

- TEW-642EC
- Utility user's guide and driver CD-ROM
- Multi-Language Quick Installation Guide

### RELATED PRODUCTS

TEW-672GR	Dual Band Wireless N Gigabit Router
TEW-637AP	300Mbps Wireless Easy-N-Upgrader™
TEW-633GR	300Mbps Wireless N Gigabit Router

### ORDERING INFORMATION

#### TRENDnet®

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