



## N300 Wireless Access Point TEW-638APB (V3.1R)

The versatile N300 Wireless Access Point is designed to create a scalable high speed wireless n network or to connect a wired device to an existing wireless network.

Use multiple 300Mbps Wireless N Access Points together to extend your network using Wireless Distribution System (WDS), Wireless Bridge and AP Client Modes.

Expand a wireless network without running additional cabling with Wireless Distribution Service (WDS) technology by connecting multiple access points wirelessly. Use Wireless Bridge Mode to connect devices such as game consoles, printers and digital video recorders (DVR) to your wireless network. Advanced antenna technology (MIMO) increases wireless coverage and WPA / WPA2 encryption protects your wireless network. GREENnet technology reduces energy consumption by up to 50%.

## FEATURES

- 1x 10/100Mbps Ethernet port
- 1x Wi-Fi Protected Setup (WPS) button
- 2x 2dBi detachable antennas
- Compliant with IEEE 802.11n, IEEE 802.11g and 802.11b standards
- Compact high performance wireless n access point
- Up to 50% energy savings with GREENnet technology
- High-speed data rates of up to 300Mbps with IEEE 802.11n\*
- Functions in Access Point or Access Point (AP) Client (wireless adapter) mode
- In Access Point mode: expand a wireless network using Repeater mode or Wireless Distribution System (WDS)
- Broadcast up to 4 SSIDs with different wireless encryption
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) supported
- Supports 64/128-bit WEP, WPA/WPA2-RADIUS (AP mode only) and WPA/WPA2-PSK
- One-touch wireless security setup using the Wi-Fi Protected Setup (WPS) button
- Low interference and high susceptibility deliver reliable performance
- Indoor coverage up to 100 meters (328ft.)\*
- Outdoor coverage up to 300 meters (984ft.)\*
- 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.

# N300 Wireless Access Point

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### SPECIFICATIONS

Hardware	
Standards	• IEEE 802.11n , IEEE 802.11b, IEEE 802.11g, 802.3u and 802.3
Interface	• 1 x 10/100Mbps Auto-MDIX LAN port
CD Wizard OS Compatibility	• Windows 7 (32/64-bit), Vista(32/64-bit), XP(32/64-bit), and 2000
LED Indicators	• Power, Link, WPS and Wireless
Buttons	• Reset button – restores factory default settings • WPS button- enables WPS function
Power Supply	• 12 V DC 0.5A external power adapter
Dimensions (LxWxH)	• 120 x 26 x 88 mm (4.7 x 1.0 x 3.4 in.)
Weight	• 145g (5.11oz)
Temperature	• Operating: 0° to 40° C (32° ~ 104° F); Storage: -20°C ~ 60°C (-4° ~ 140° F)
Humidity	• Max. 90% non-condensing
Wireless	
Module Technique	• OFDM with BPSK ,DQPSK , CCK , BPSK, QPSK, 16/64QAM with OFDM
WDS	• Enable/Disable Wireless Distribution System support
Access Control	• MAC Address Filter (Up to 64 entries)
Antenna	• 2 x 2dBi detachable antennas
Frequency	• 2.412 - 2.484GHz
Data Rate (Auto Fallback)	• 802.11n: up to 300Mbps • 802.11g: up to 54Mbps • 802.11b: up to 11Mbps
Output Power	• 802.11b: 18dBm (typical) @ 11Mbps • 802.11g: 15dBm (typical) @ 54Mbps • 802.11n: 11dBm (typical)@ 300Mbps
Receiving Sensitivity	• 802.11b: -84dBm (typical) @ 11mpbs • 802.11g: -72dBm (typical) @ 54Mbps • 802.11n: -68dBm (typical) @ 300Mbps
Encryption	• 64/128-bit WEP (Hex & ASCII), WPA/WPA2 Radius, WPA/WPA2-PSK Encryption
Channels	• 1-11 (FCC) 1-13 (ETSI)

### NETWORKING SOLUTIONS

#### Bridge Mode



#### AP Client Mode



### PACKAGE CONTENTS

- TEW-638APB
- Multi-Language Quick Installation Guide
- CD-ROM (Utility and User's Guide)
- 1 network cable (0.6 m / 2 ft.)
- Power adapter (12V DC, 1A)

### RELATED PRODUCTS

TEW-AI770B	Duo 7dBi Indoor Omni-Directional Antenna
TEW-639GR	300Mbps Wireless N Gigabit Router
TEW-640MB	300Mbps Wireless N 4-Port Media Bridge

### ORDERING INFORMATION

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