



## 300Mbps Wireless N Access Point TEW-638APB (V2.0R)

The versatile 300Mbps Wireless N 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.



Connect wireless clients to your network at the touch of a button with WPS technology. 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.

## FEATURES

- Compact high performance wireless n access point
- Wireless Bridge mode for Ethernet-to-wireless bridging function
- Works as an access point and a wireless adapter
- Compliant with IEEE 802.11n (draft 2.0), IEEE 802.11g and 802.11b standards
- Compatible with 802.11b/g/n networks
- Up to a 300Mbps data rate using an 802.11n (draft 2.0) connection
- Expand a wireless network using AP client mode or Wireless Distribution System (WDS)
- Support for the 802.11e Quality of Service (QoS) standard
- Low interference and high susceptibility deliver reliable performance
- 2 removable antennas to support high speed performance and expanded coverage
- Wi-Fi Protected Setup (WPS) integrates other WPS devices into your network quickly
- Indoor coverage up to 100 meters (328ft.)\*
- Outdoor coverage up to 300 meters (984ft.)\*
- Supports Windows 2000/XP/2003 server/Vista Operating Systems
- 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 802.11n draft 2.0, IEEE 802.11b, IEEE 802.11g. 2.0 and 802.11e
Interface	• 1 x 10/100Mbps Auto-MDIX LAN port
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	• Operating: 5% ~ 90% non-condensing; Storage: 5% ~ 90% non-condensing
Wireless	
Module Technique	• 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM • 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) • 802.11g: OFDM with BPSK, QPSK and 16/64-QAM sub-Carrier modulations
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 - 2.462 GHz (North America) • 2.412 - 2.472 GHz (Europe)
Media Access Protocol	• IEEE 802.11
Data Rate (Auto Fallback)	• 802.11n Draft 2.0: up to 300Mbps • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, 1 Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6 Mbps
Output Power	• 802.11n: 11dBm (typical) with MCS15/ & HT40 • 802.11g: 15dBm (typical)@54Mbps • 802.11b: 18dBm (typical)@11Mbps
Receiving Sensitivity	• 802.11n: -68dBm (typical) @ MCS15/HT20, -66dBm (typical) @ MCS1 15/HT40 • 802.11g: -72dBm (typical) @ 54Mbps • 802.11b: -84dBm (typical) @ 11Mbps
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



### RELATED PRODUCTS

- TEW-638APB
- Multi-Language Quick Installation Guide
- CD-ROM (Utility and User's Guide)
- 1 x Cat. 5 Ethernet cable (0.6m 2 ft.)
- Power adapter (12V DC, 1A)

### RELATED PRODUCTS

TEW-AI770B	Duo 7dBi Indoor Omni-Directional Antenna
TEW-624UB	300Mbps Wireless N USB 2.0 Adapter
TEW-642EC	Wireless N Express Card

### ORDERING INFORMATION

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