



## 150Mbps Wireless N Access Point TEW-650AP (V1.0R)

The 150Mbps Wireless N Access Point, model TEW-650AP, is designed to create a scalable high speed wireless n network or connect a wired device to an existing wireless network.

Use multiple 150Mbps Wireless N Access Points together to expand your network using Access Point, Wireless Distribution System (WDS), Repeater, and AP Client modes.

Expand a wireless network without new cabling by connecting multiple access points wirelessly with Wireless Distribution Service (WDS) technology. Use AP Client mode to connect devices such as game consoles, computers, and digital video recorders (DVR) to your wireless network. Advanced encryption protects valuable data and WMM® Quality of Service (QoS) technology prioritizes video and audio packets. Create up to four separate wireless networks (SSIDs) with their own respective security and access thresholds. A convenient on/off power switch protects the access point when powering down.

## FEATURES

- Compact high performance wireless n access point
- 1 x 10/100Mbps Auto-MDIX LAN port
- 1 x detachable antenna
- WPS button
- On/off power switch
- High-speed data rates of up to 150Mbps 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 (listed as AP Mode Support) or Wireless Distribution System (WDS)
- Wireless Distribution System (WDS) mode for wireless bridging applications
- Based on IEEE 802.11n (draft 2.0) technology and compliant with IEEE 802.11b/g standards
- Wi-Fi Protected Setup (WPS) connects wireless clients at the push of a button
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) supported
- MAC filter feature for added security (AP mode)
- Broadcast up to 4 SSIDs with different wireless encryption
- Supports 64/128-bit WEP, WPA/WPA2-RADIUS (AP mode only) and WPA/WPA2-PSK
- Quick and easy setup wizard supports Windows 7/Vista/XP Operating Systems
- 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.

# 150Mbps Wireless N Access Point

## TEW-650AP (V1.0R)

### SPECIFICATIONS

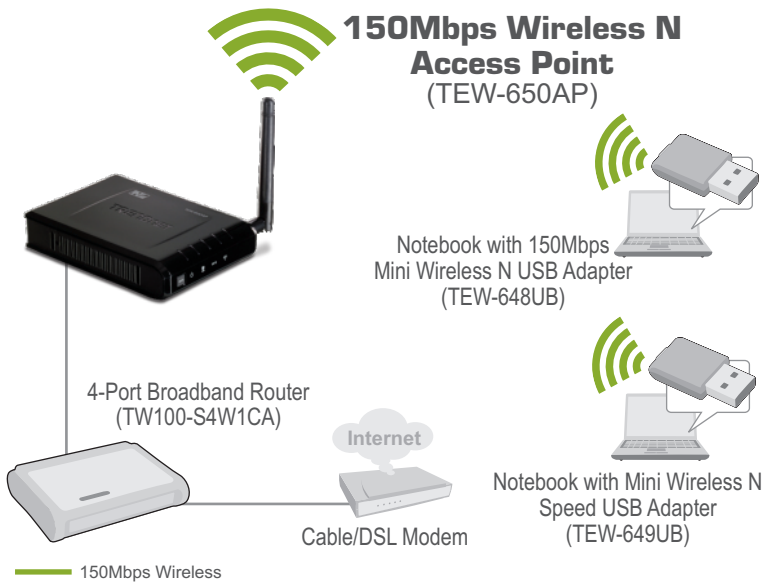
Hardware	
Standards	• IEEE 802.11n draft 2.0, IEEE 802.11b, IEEE 802.11g, and 802.11e
Interface	• 1 x 10/100Mbps Auto-MDIX LAN port
LED Indicator	• Power, LAN, WPS, and Wireless
Buttons	• Reset button – restores factory default settings • WPS button- enables WPS function
Power Supply	• 12 V DC 0.5A external power adapter
Dimensions (LxWxH)	• 119 x 25 x 85 mm (4.6 x 1.0 x 3.3 in.)
Weight	• 113.4 g (4 oz)
Temperature	• Operating: 0° ~ 40° C (32° ~ 104° F); Storage: -20° ~ 60° C (-4° ~ 140° F)
Humidity	• Max. 90% non-condensing
Wireless	
Modulation	• 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM • 802.11g: OFDM with BPSK, QPSK and 16/64-QAM sub-Carrier • 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) modulations
WDS	• Enable/disable Wireless Distribution System support
Repeater Mode	• Enable/disable Repeater Mode Support • Enable/disable AP Mode Support
Antenna	• 1 x 2dBi detachable antenna
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: up to 150Mbps • 802.11g: up to 54Mbps • 802.11b: up to 11Mbps
Output Power	• 802.11n: 11dBm (typical) @ 150Mbps • 802.11g: 15dBm (typical) @ 54Mbps • 802.11b: 18dBm (typical) @ 11Mbps
Receiving Sensitivity	• 802.11a: -70dBm (typical) • 802.11b: -87dBm (typical) • 802.11g: -70dBm (typical) • 802.11n: -64dBm (typical)
Encryption	• 64/128-bit WEP (HEX & ASCII), WPA/WPA2 RADIUS (AP mode only), WPA/WPA2-PSK
Channels	• 1~ 11 (FCC), 1~13 (ETSI)

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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TEW-650AP
- Multi-Language Quick Installation Guide
- CD-ROM (Utility and User's Guide)
- 1 x Cat. 5 Ethernet cable (0.6 m / 2 ft.)
- Power adapter (12V DC, 0.5A)

## RELATED PRODUCTS

<b>TEW-651BR</b>	150Mbps Wireless N Home Router
<b>TEW-648UB</b>	150Mbps Mini Wireless N USB Adapter
<b>TEW-649UB</b>	Mini Wireless N Speed USB Adapter

## ORDERING INFORMATION

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