



## **N300 Wireless PoE Access Point TEW-653AP(V1.0R)**

The N300 Wireless PoE Access Point (model TEW-653AP) combines high speed wireless n coverage with Power over Ethernet (PoE) technology\* to deliver up to 12x the speed and 4x the coverage of wireless g\*\*.

Define a weekly power saving schedule, view real time network traffic charts, turn off the flashing LED indicators, and assign individual VLANs\*\*\* for up to 4 separate SSIDs. Advanced antenna technology (MIMO) delivers superior range and eliminates dead spots. Synchronize wireless clients at the touch of a button with Wi-Fi Protected Setup (WPS). Advanced encryption protects valuable data and WMM® Quality of Service (QoS) technology prioritizes video and audio packets.

- ### **FEATURES**
- Wi-Fi compliant with IEEE 802.11n and IEEE 802.11b/g standards
  - Power device by an Ethernet cable using IEEE 802.3af Power over Ethernet (PoE) protocol
  - Functional Access Point, WDS and Repeater modes provide network flexibility
  - Advanced wireless security with 64/128-bit WEP, WPA/WPA2-RADIUS and WPA-PSK/WPA2-PSK
  - Supports multiple SSIDs (up to 4 SSIDs) with 802.1q VLAN tagging (AP mode)
  - High-speed data rates up to 300Mbps using 802.11n connection
  - Monitor bandwidth allocation through graphical interface
  - Wi-Fi Protected Setup (WPS) integrates wireless clients quickly
  - 802.1X Authentication protocol support
  - Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
  - Management via web browser
  - SNMP (v1, v2c) support
  - 3-year limited warranty

\* Optional power port and power adapter provided for non-PoE installations.

\*\*\* 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.

\*\*\* Virtual Local Area Networks (VLAN) created separately by Web Smart switches, Managed Layer 2 switches or third party

# N300 Wireless PoE Access Point

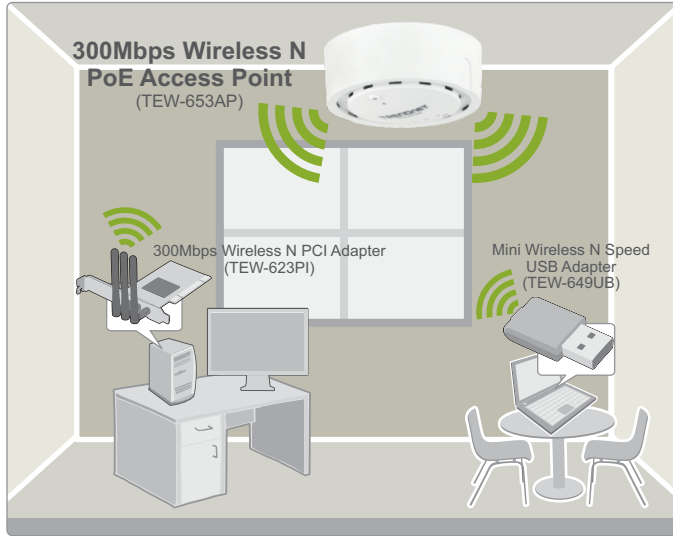
## TEW-653AP(V1.0R)

### SPECIFICATIONS

| Hardware                       |                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Standard                       | • IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX), IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, 802.3af               |
| Interface                      | • 1 x 10/100Mbps Auto-MDIX PoE LAN port                                                                            |
| LED Indicators                 | • Power/Status, LAN, WLAN                                                                                          |
| Button                         | • Reset button – restores factory default settings                                                                 |
| Power Supply                   | • Active Ethernet (Power over Ethernet, IEEE802.3af )-48VDC/0.375A    • Power adapter 12V/1A                       |
| Power Consumption              | • 6 watts (max)                                                                                                    |
| Dimensions (Diameter x Height) | • 120mm x 50mm (4.72 x 1.97 in.)                                                                                   |
| Weight                         | • 280g (9.87 oz)                                                                                                   |
| Temperature                    | • Operating: 0° ~ 45°C (32° ~ 113°F)    • Storage: -20°C ~ 70°C (-4° ~ 158° F)                                     |
| Humidity                       | • 5% ~ 95% typical (non-condensing)                                                                                |
| Certifications                 | • CE, FCC                                                                                                          |
| Wireless                       |                                                                                                                    |
| Module Technique               | • OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK                                                              |
| Modes                          | • Access Point, WDS Bridge, Repeater                                                                               |
| Antenna                        | • 4dBi smart internal antenna                                                                                      |
| Frequency                      | • 2.412 ~ 2.472 GHz                                                                                                |
| Management                     | • Web browser (HTTP); SNMP v1, v2c                                                                                 |
| Data Rate (Auto Fallback)      | • 802.11n: up to 300Mbps    • 802.11g: up to 54Mbps    • 802.11b: up to 11Mbps                                     |
| Output Power                   | • 802.11n: 18dBm (typical) @ 300Mbps    • 802.11g: 18dBm (typical) @ 54Mbps    • 802.11b: 17dBm (typical) @ 11Mbps |
| Receiving Sensitivity          | • 802.11n: -61dBm    • 802.11g: -72dBm    • 802.11b: -89dBm                                                        |
| Encryption                     | • 64/128 bit WEP, WPA-PSK/WPA2-PSK, WPA/WPA2-RADIUS                                                                |
| Channels                       | • 1-11 (FCC), 1-13 (ETSI)                                                                                          |

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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TEW-653AP
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Power adapter (12V DC, 1A)
- Mounting kit

## RELATED PRODUCTS

|                  |                                                                                    |
|------------------|------------------------------------------------------------------------------------|
| <b>TPE-224WS</b> | 24-Port 10/100Mbps Web Smart PoE Switch with 4 Gigabit Ports and 2 Mini-GBIC Slots |
| <b>TEW-623PI</b> | 300Mbps Wireless N PCI Adapter                                                     |
| <b>TEW-649UB</b> | Mini Wireless N Speed USB Adapter                                                  |
| <b>TPE-80WS</b>  | 8-Port Gigabit Web Smart PoE Switch                                                |

## ORDER INFORMATION

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