WPS

Wireless AC Easy-Upgrader

TEW-820AP (v1.0R)

- Don't throw away your existing wireless or wired router, upgrade it to high speed 5 GHz Wireless AC
- Pre-encrypted wireless for your convenience
- Compact housing
- You need a Wireless AC enabled device in order to connect to the TEW-820AP

TRENDnet's Wireless AC Easy-Upgrader, Model TEW-820AP, adds a Wireless AC network to a wireless or wired router. Simply plug the TEW-820AP into an available Ethernet port on the back of your existing router—and you're done. For your convenience the Wireless AC network is setup and pre-encrypted out of the box.

TRENDnet®

Easy Setup
Install the upgrader in minutes with a quick guided setup wizard

One Touch Connection
Securely connect Wireless AC enabled devices to the TEW-820AP at the touch of the Wi-Fi Protected Setup (WPS) button

Encrypted Wireless
For your convenience the Wireless AC network is pre-encrypted with its own unique password

Next Generation Wireless AC
Wireless AC provides uninterrupted HD video streaming in a busy connected home. You need a Wireless AC enabled device in order to connect to the TEW-820AP

Compact
The compact form factor easily fits next to your existing router

Networking Solution

HD 3D movies

HD gaming

Music

Wireless AC

433 Mbps

LAN

RESET

Existing Wireless N

TRENDnet

Ethernet port

Existing router

TRENDnet®

Specifications

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.11a
- Based on IEEE 802.11n (5 GHz up to 150 Mbps)
- IEEE 802.11ac (up to 433 Mbps)

Hardware Interface
- 1 x 10/100 Mbps LAN port
- Micro USB power port
- LED indicator
- WPS button
- Reset button

Operation Modes
- Access Point (AP and AP+WDS)
- Client

Special Features
- Compact design
- IPv6 support (Link local, Static, SLAAC/DHCPv6)
- WLAN partition
- WMM support
- Easy CD installation Wizard

SSID
- Up to 4 additional SSIDs

Access Control
- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- MAC filter
- Wireless user limit

Frequency
- FCC: 5.150 - 5.250 GHz, 5.725 - 5.850 GHz
- ETSI: 5.150 - 5.350 GHz, 5.470 - 5.725 GHz

Wireless Channels
- FCC: 36, 40, 44, 48, 149, 153, 157, 161, 165
- ETSI: 36, 40, 44, 48, (52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140)**

Modulation
- BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM with OFDM

Media Access Protocol
- CSMA/CA with ACK

Antenna Gain
- 1 x 3 dBi (max.) internal antenna

Wireless Output Power/Receiving Sensitivity
- 802.11a: FCC: 19 dBm (max.), ETSI: 19 dBm (max.)/ -75 dBm (typical) @ 54 Mbps
- 802.11n (5 GHz only): FCC: 18 dBm (max.), ETSI: 18 dBm (max.)/ -70 dBm (typical) @ 150 Mbps
- 802.11ac: FCC: 18 dBm (max.), ETSI: 18 dBm (max.)/ -59 dBm (typical) @ 433 Mbps

Power
- Input: 100 - 240 V AC, 50 - 60 Hz
- Output: 5 V DC, 1 A
- Consumption: 2.3 Watts Max.

Operating Temperature
- 0 - 40 °C (32 – 104 °F)

Operating Humidity
- Max. 95 % non-condensing

Certifications
- CE
- FCC

Dimensions
- 65 x 67 x 21 mm (2.5 x 2.6 x 1 in.)

Weight
- 48 g (1.7 oz.)

Warranty
- 3 year limited

Package Contents
- TEW-820AP
- CD-ROM (Installation Wizard and User's Guide)
- Multi-Language Quick Installation Guide
- Power adapter (5 V DC, 1 A)

*For maximum performance of up to 433 Mbps use with an 802.11ac wireless client. 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 **Due to regulatory requirements, the wireless channels specified cannot be statically assigned, but will be available within the available wireless channels when set to auto.