



# N600 Wireless Dual Band Gigabit Ceiling Mount Access Point

**EAP220**

## ■ Highlights

- Simultaneous 2.4GHz 300Mbps and 5GHz 300Mbps connections for 600Mbps of total available bandwidth
- The EAP Controller Software enables administrators to manage hundreds of EAPs easily from any PC on the network.
- Supports PoE (802.3af) for convenient installation
- Ceiling mounting design with chassis make it easy to deploy on a wall or ceiling
- Captive portal provides one convenient method of authentication for Wi-Fi guests
- Multi-SSID divides multiple wireless networks for different users
- Enterprise class Wi-Fi security help to decrease network security threats.
- Gigabit ethernet port enables bandwidth-intensive application or multimedia transferring

Standards

- IEEE 802.11a/b/g/n
- IEEE 802.3af

Functionality

- Multi-SSID
- Load Balance
- Wireless Schedule
- QoS (WMM)
- Automatic Channel Assignment
- Transmission Power Adjustment

Security

- Captive Portal Authentication
- Wireless MAC Address Filtering
- Isolation between Clients
- SSID to VLAN Mapping
- Rogue AP Detection
- 802.1X Support
- WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise Encryption

Hardware

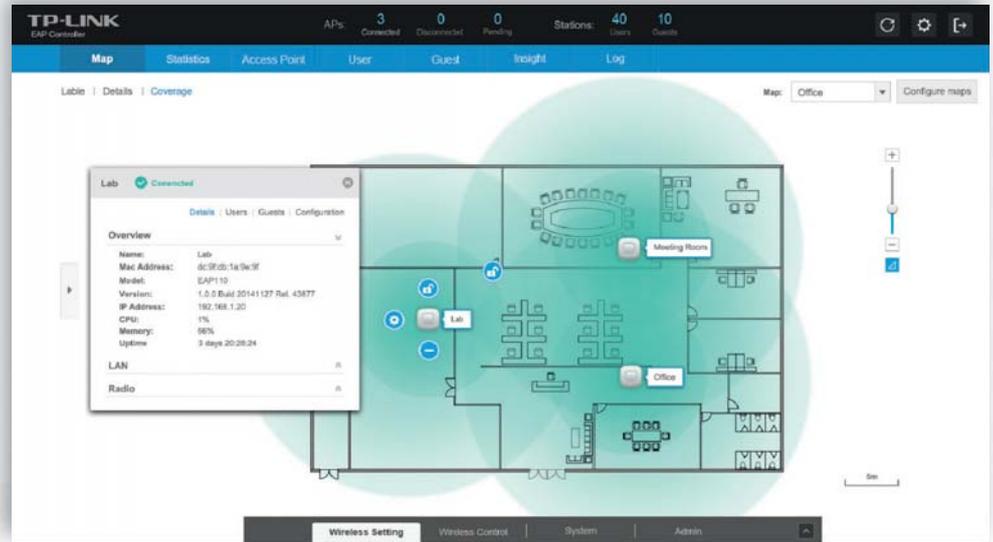
- 1 Gigabit Ethernet Port
- 1 Console Port
- 4\*4dBi Internal Antennas
- Dimensions: 7.1\*7.1\*1.9 in. (180\*180\*47.5mm)



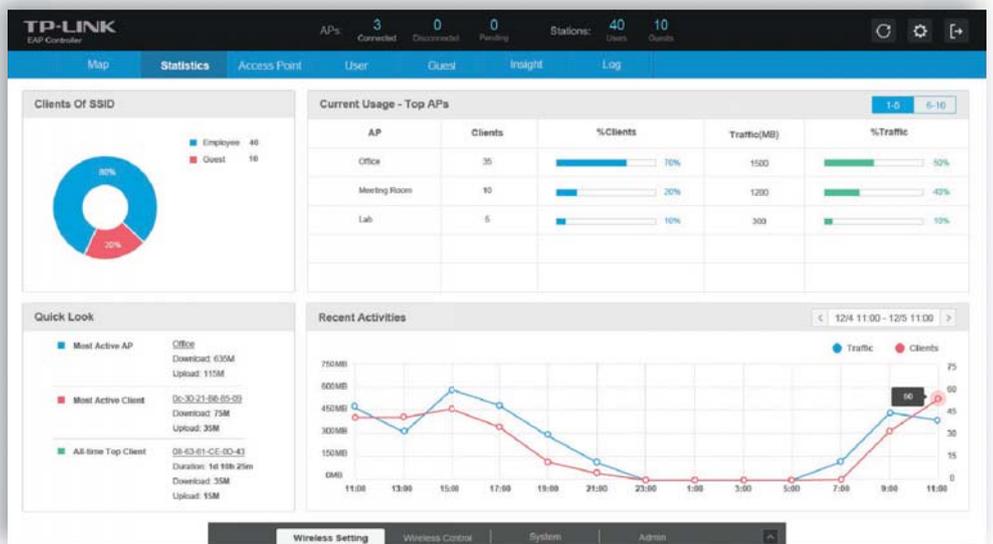
Details: <http://www.tplink.com/en/Support/>  
 German/Austrian/Swiss users are not included

## EAP Controller Software – simple and scalable business Wi-Fi management

The EAP Controller Software enables administrators to manage hundreds of EAPs easily from any PC on the network. Includes such administrative features as centralized configuration, real-time monitoring, and graphical analysis of network traffic.



- Free controller software, no expensive hardware controller required
- Easy-to-use, no special training necessary
- Upload floor plans for a more intuitive Wi-Fi management
- Advanced security features including Captive Portal, Rogue AP Detection



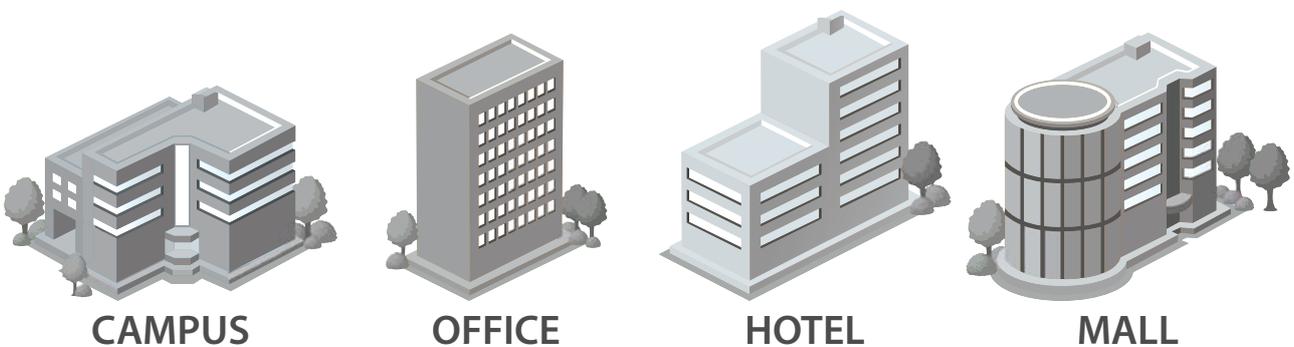
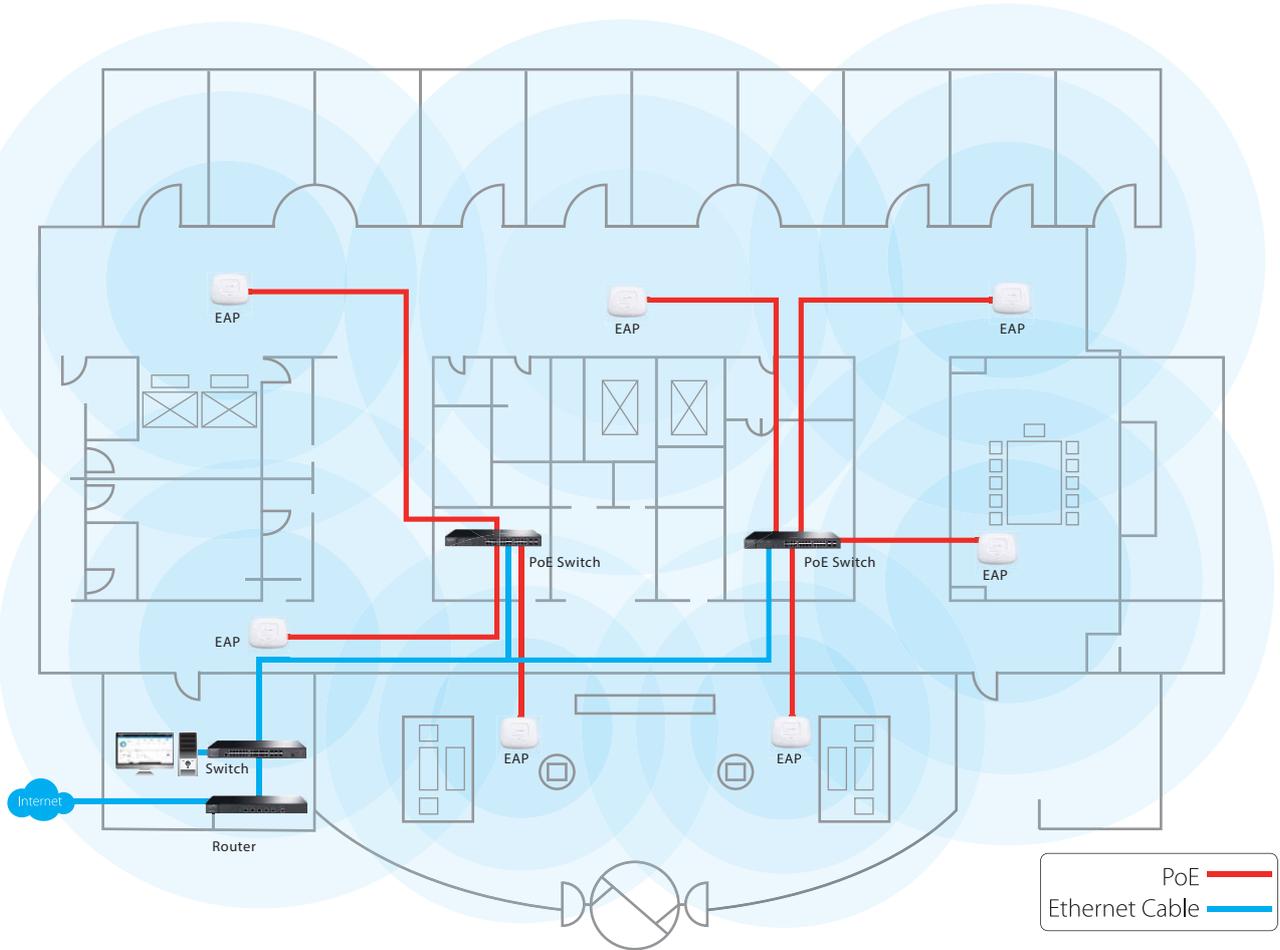
### Real-time monitoring of your wireless network

- Directly view traffic on any individual AP on the network
- Graphical activity of clients connected to the network
- Visual analytics of overall network usage and traffic distribution

▣ **Typical Applications**

EAP220 is specially designed for the high-density, intensive demanding businesses environment, include campus, hotels, malls and offices.

**WLAN Solution for Hotel as an Example**



**Specifications**

| MODEL                              | EAP120  | EAP220   |
|------------------------------------|---|--|
| Name                               | 300Mbps Wireless N Gigabit Access Point       | N600 Wireless Dual Band Gigabit Access Point     |
| <b>MAIN DESIGN</b>                 |   |  |
| LAN Interface                      | Gigabit Ethernet (RJ-45) Port *1              |  |
| Wireless Frequency                 | 2.4GHz  | 2.4GHz & 5GHz                                    |
| Wi-Fi Standards                    | IEEE 802.11b/g/n                              | IEEE 802.11a/b/g/n                               |
| Maximum Data Rate                  | Up to 300 Mbps                                | Up to 300+300 Mbps                               |
| Internal Antennas                  | 2* 4dBi                                       | 4* 4dBi  |
| Max Rf Transmit Power <sup>1</sup> | FCC: <26dBm;<br>CE: <20dBm                    | FCC: <26dBm(2.4GHz), <20dBm(5GHz);<br>CE: <20dBm |
| Power over Ethernet (PoE)          | IEEE 802.3af                                  | IEEE 802.3af                                     |
| <b>CENTRALIZED MANAGEMENT</b>      |   |  |
| Cluster                            |   | ●  |
| Max APs in One Cluster             |   | 24   |
| EAP Controller Software            |   | ●  |
| <b>SECURITY</b>                    |   |  |
| Captive Portal Authentication      |   | ●  |
| Wireless MAC Address Filtering     |   | ●  |
| Wireless Isolation between Clients |   | ●  |
| SSID to VLAN Mapping               |   | ●  |
| Rogue AP Detection                 |   | ●  |
| WEP Encryption                     |   | 64/128/152-bit                                   |
| WPA/WPA2-Personal Encryption       |   | ●  |
| WPA/WPA2-Enterprise Encryption     |   | ●  |
| 802.1X Support                     |   | ●  |
| <b>WIRELESS FUNCTION</b>           |   |  |
| Multiple SSIDs                     | 8   | 16 (8 on each radio)                             |
| Enable/Disable Wireless Radio      |   | ●  |
| Automatic Channel Assignment       |   | ●  |
| Transmit Power Control             |   | Adjust Transmit Power on dBm                     |
| QoS(WMM)                           |   | ●  |
| Load Balance                       |   | ●  |
| Wireless Schedule                  |   | ●  |
| Wireless Statistics                |   | Based on SSID/AP/Client                          |
| <b>SUPPORTED DATA RATES</b>        |   |  |
| 802.11n                            | 6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40) |  |
| 802.11g                            | 6, 9, 12, 18, 24, 36, 48, 54 Mbps             |  |
| 802.11b                            | 1, 2, 5.5, 11 Mbps                            |  |
| 802.11a                            | 6, 9, 12, 18, 24, 36, 48, 54 Mbps             |  |

<sup>1</sup> Maximum transmit power is limited by local regulatory settings

| <b>MANAGEMENT</b>                 |   |  |
|-----------------------------------|---|--|
| LED ON/OFF Control                |   | ●  |
| Management MAC Access Control     |   | ●  |
| Web-based Management              |   | HTTP/HTTPS   |
| Telnet                            |   | ●  |
| CLI (Command Line Interface)      |   | ●  |
| SNMP                              |   | v1,v2c   |
| System Logging                    |   | Local/Remote Syslog  |
| Email Alerts                      |   | ●  |
| <b>PHYSICAL &amp; ENVIRONMENT</b> |   |  |
| Power Supply                      | PoE or External 12VDC / 1A Power Supply   | PoE or External 12VDC / 1.5A Power Supply  |
| Maximum Power Consumption         | 4.4 watts   | 9.6 watts  |
| Console Port                      |   | RJ45*1   |
| Physical Security Lock            |   | Kensington Lock Slot   |
| Button                            |   | Reset Button, Power On/Off Button  |
| Watch Dog                         |   | ●  |
| Dimensions (W * D * H)            |   | 7.1 x 7.1 x 1.9 in. (180*180*47.5mm)   |
| Mounting                          |   | Ceiling /Wall mounting (Kits included)   |
| <b>OTHERS</b>                     |   |  |
| Certification                     |   | CE, FCC, RoHS  |
| Package Contents                  | 300Mbps Wireless N Gigabit Ceiling Mount Access Point EAP120<br>Power Adapter<br>Mounting Kits<br>Resource CD<br>Installation Guide | N600 Wireless Dual Band Gigabit Ceiling Mount Access Point EAP220<br>Power Adapter<br>Mounting Kits<br>Resource CD<br>Installation Guide   |
| System Requirements               |   | Microsoft Windows XP, Vista, Windows 7, Windows 8  |
| Environment                       |   | Operating Temperature: 0°C~40°C (32°F~104°F);<br>Storage Temperature: -40°C~70°C (-40°F~158°F);<br>Operating Humidity: 10%~90% non-condensing;<br>Storage Humidity: 5%~90% non-condensing; |