300Mbps Wireless N Gigabit Ceilling Mount Access Point

EAP120

◤ Highlights

- Wireless N speed up to 300Mbps
- The EAP Controller Software enables administrators to manage hundreds of EAPs easily from any PC on the network
- Clustering function greatly simplified business wireless network management, to easy manage up to 24 EAP120
- 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 802.11b/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
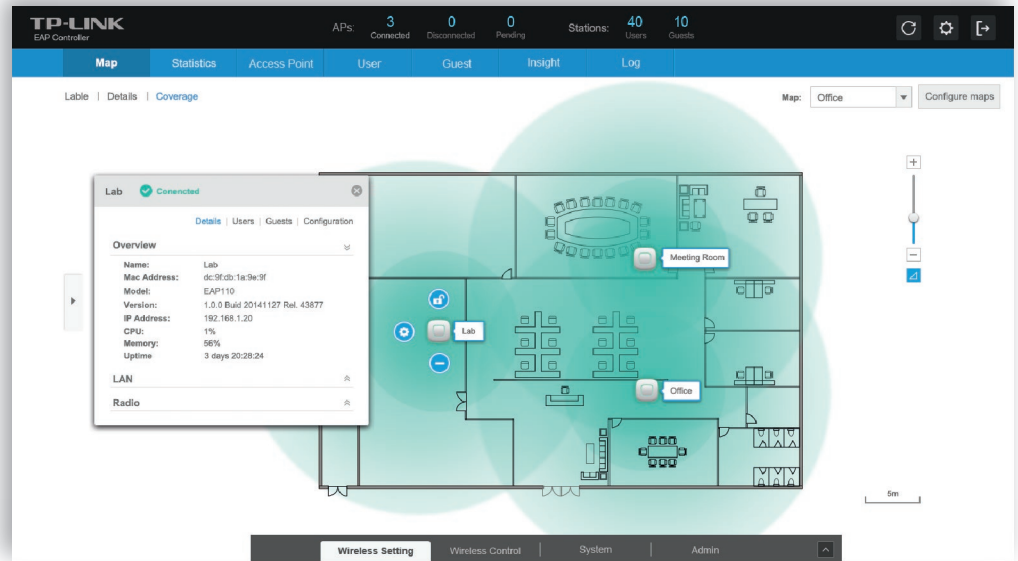
Hardware
- 1 Gigabit Ethernet Port
- 1 Console Port
- 2*4dBi Internal Antennas
- Dimensions: 7.1*7.1*1.9 in. (180*180*47.5mm)

24 / 7
Global technical support

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
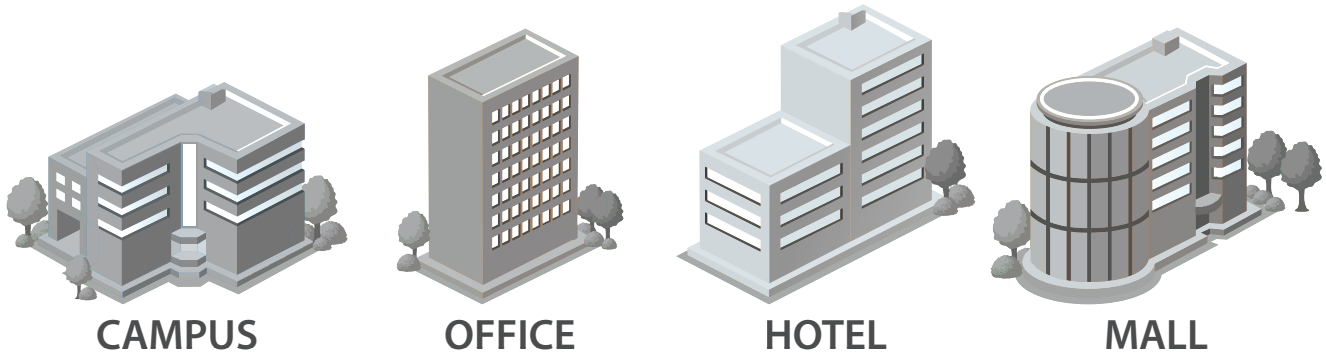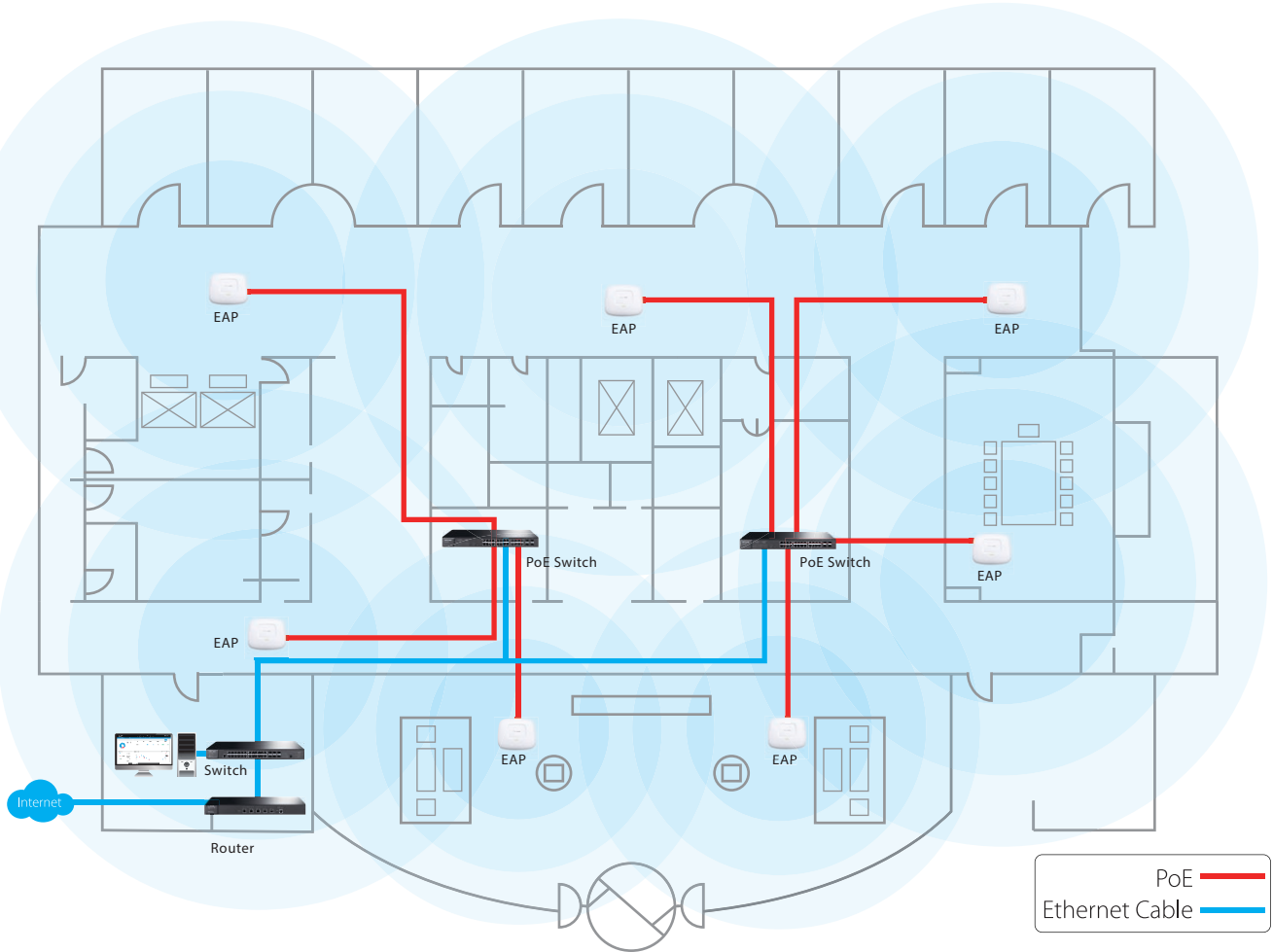- Advanced security features including Captive Portal, Rogue AP Detection
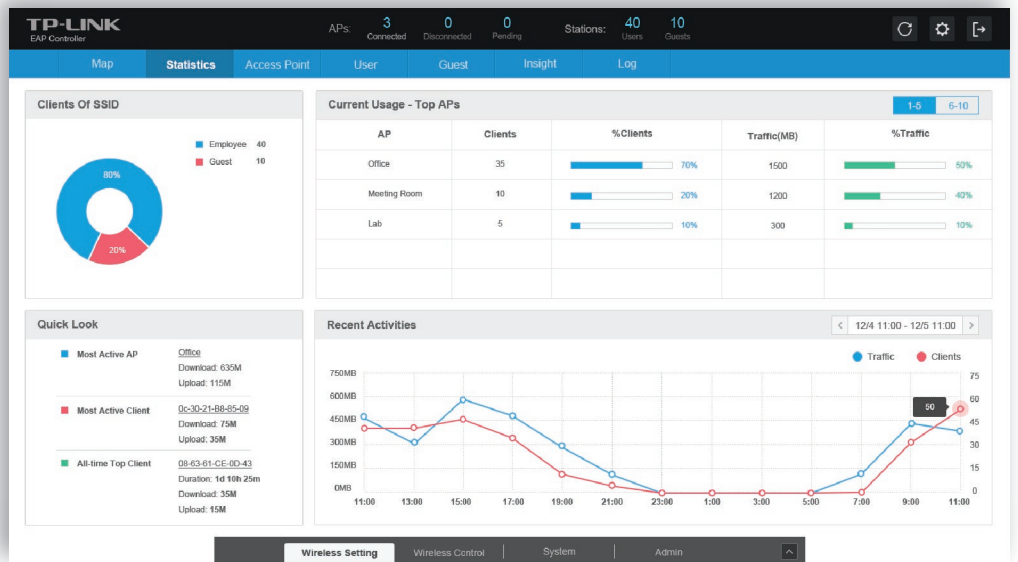
Real-time monitoring of your wireless network
- Directly view traffic on any individual AP on the network
- Graphical activity of clients connected to the network
- Visual analytics of overall network usage and traffic distribution

◰ Typical Applications

EAP120 is specially designed for the high-density, intensive demanding businesses environment, include campus, hotels, malls and offices.

WLAN Solution for Hotel as an Example

EAP
EAP
EAP
PoE Switch
PoE Switch
EAP
EAP
EAP
EAP
Switch
Internet
Router

PoE
Ethernet Cable

CAMPUS　　　**OFFICE**　　　**HOTEL**　　　**MALL**

◣ Specifications

MODEL	EAP120	EAP220
Name	300Mbps Wireless N Gigabit Access Point	N600 Wireless Dual Band Gigabit Access Point
MAIN DESIGN		
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[1]	FCC: <26dBm; CE: <20dBm	FCC: <26dBm(2.4GHz), <20dBm(5GHz); CE: <20dBm
Power over Ethernet (PoE)	IEEE 802.3af	IEEE 802.3af
CENTRALIZED MANAGEMENT		
Cluster	●	
Max APs in One Cluster	24	
EAP Controller Softaware	●	
SECURITY		
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	●	
WIRELESS FUNCTION		
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	
SUPPORTED DATA RATES		
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	

[1] Maximum transmit power is limited by local regulatory settings

MANAGEMENT

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	●	

PHYSICAL & ENVIRONMENT

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)	

OTHERS

Certification	CE, FCC, RoHS	
Package Contents	300Mbps Wireless N Gigabit Ceiling Mount Access Point EAP120 Power Adapter Mounting Kits Resource CD Installation Guide	N600 Wireless Dual Band Gigabit Ceiling Mount Access Point EAP220 Power Adapter Mounting Kits Resource CD Installation Guide
System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8	
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing;	