

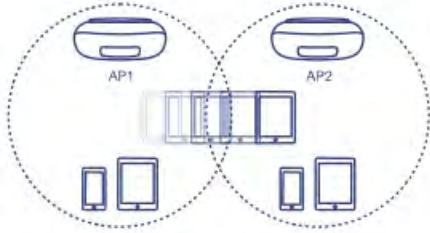


## PoE+ Wireless LAN Controller

TEW-WLC100P (v1.0R)

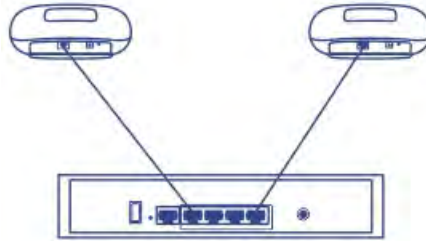
- 4 x gigabit PoE+ ports, 1 x gigabit port
- 60W PoE power budget
- Centralized AP management
- Manages up to 128 wireless access points
- Compatible with TEW-755AP, TEW-821DAP and TEW-825DAP\*
- Supports IEEE 802.11k radio resource management and 802.11r fast roaming with Opportunistic Key Caching (OKC)
- Captive portal for hotspot applications
- Client and SSID bandwidth management
- Upload floor plans to create WAP Maps™ for a visual overview of each access point's location
- Airtime Fairness to equally balance WiFi client performance

TRENDnet's PoE+ Wireless LAN Controller, model TEW-WLC100P, is designed to simplify management and setup processes for your access points. This new controller features seamless WiFi roaming, helping your devices stay connected when transitioning from one access point to another within the network. Fast BSS Transition, or fast roaming, along with Opportunistic Key Caching (OKC) ensures optimal roaming conditions for your mobile WiFi clients. Simultaneously manage up to 128 access points, perform batch firmware upgrades, and monitor network connection status. It supports both PoE and PoE+ devices with a 60W PoE power budget.



## Seamless WiFi Roaming

802.11k provides a more efficient WiFi roaming environment by intelligently managing neighboring APs and passing mobile clients off to the next best access point; 802.11r and Opportunistic Key Caching (OKC) preauthenticates those WiFi clients with neighboring APs making for a fast and seamless transition.



## Centralized AP Management

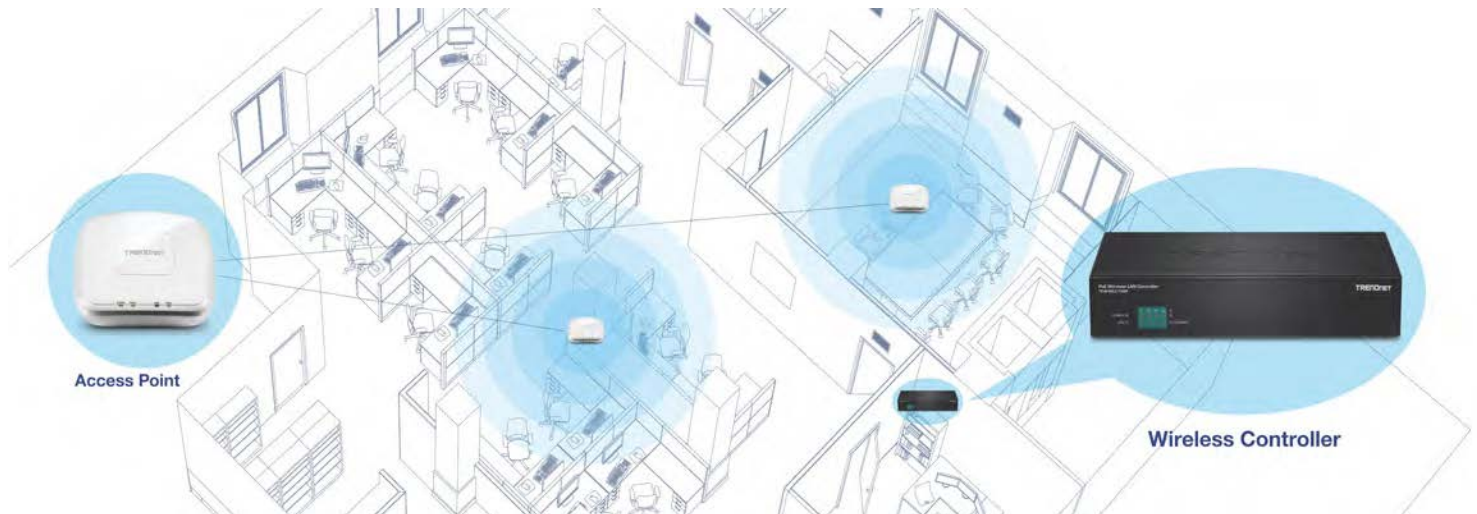
Easily manage up to 128 access points across your network. Four gigabit PoE+ ports lets users power access points directly from the controller.



## Captive Portal

Create a customized web portal for users to authenticate using unique user names and passwords. Ideal for hotels, cafes, and businesses that want to provide public WiFi and manage wireless usage.

## Networking Solution





### Centralized AP Management

Easily manage up to 128 access points (AP) across your wireless network



### Gigabit PoE+

Four gigabit PoE+ ports lets users power access points directly from the controller. Supports both PoE (802.3af) and PoE+ (802.3at) devices with a 60W PoE power budget.



### Intelligent Radio Resource Management

802.11k provides a more efficient WiFi roaming environment by intelligently managing neighboring APs and passing mobile clients off to the next best access point.



### Seamless WiFi Roaming

802.11r and Opportunistic Key Caching (OKC) pre-authenticates those WiFi clients with neighboring APs making for a fast and seamless transition.



### Captive Portal

Create a customized web portal for users to authenticate using unique user names and passwords.



### Access Point Monitoring

Monitor each access point and connection status of network devices



### WAP Maps™

Upload floor plans to create WAP Maps™ for a visual overview of each access point's location



### Batch Firmware Upgrades

Simultaneously upgrade firmware on multiple access points



### Rack Mount Design

Sturdy metal housing with rack mount hardware included

## Specifications

Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3</li> <li>• IEEE 802.3u</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3ab</li> <li>• IEEE 802.3af</li> <li>• IEEE 802.3at</li> </ul>
Device Interface	<ul style="list-style-type: none"> <li>• 4 x Gigabit PoE+ ports</li> <li>• 1 x Gigabit port</li> <li>• 1 x USB port (Firmware upgrade and configuration backup/restore)</li> <li>• On/Off Power button</li> <li>• LED indicators</li> <li>• Reset button</li> </ul>
Management	<ul style="list-style-type: none"> <li>• HTTP Web based GUI</li> <li>• Local or online firmware upgrade</li> <li>• Internal log</li> <li>• Configuration Backup/Restore</li> <li>• NTP</li> </ul>
Access Point Management	<ul style="list-style-type: none"> <li>• Manage up to 128 access points</li> <li>• IP address, gateway, and DNS settings</li> <li>• SSID/Network name</li> <li>• Wireless channel</li> <li>• Wireless encryption: WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise</li> <li>• 802.11 mode</li> <li>• Channel width</li> <li>• Transmit power</li> <li>• SSID broadcast</li> <li>• Bandwidth control (download limit per SSID &amp; client, upload limit per client)</li> <li>• Set RSSI scanning/threshold</li> <li>• Seamless WiFi roaming using 802.11r and OKC (opportunistic key caching) protocols</li> <li>• 802.11k radio resource management</li> <li>• Band steering</li> <li>• Airtime Fairness</li> <li>• Access point/client statistics monitoring</li> <li>• Batch firmware upgrade deployment</li> <li>• Captive portal</li> <li>• Client blacklist</li> <li>• 802.1Q VLAN</li> <li>• Create multiple access point groups for management flexibility</li> <li>• Upload custom floor plans using WAP Maps™</li> </ul>
Access Point Compatibility	<ul style="list-style-type: none"> <li>• TEW-755AP (Firmware Version: 1.04 or above)</li> <li>• TEW-821DAP (Firmware Version: 1.06 or above)</li> <li>• TEW-825DAP (Firmware Version: 1.02 or above)</li> </ul>
PoE	<ul style="list-style-type: none"> <li>• Power budget: 62W</li> <li>• Pins 1,2 for power+ and pin 3,6 for power- (mode A)</li> <li>• Enable/disable PoE per port</li> <li>• PoE scheduling</li> <li>• PD auto/manual classification</li> <li>• PoE port priority</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Input: 100 – 240V AC, 50/60Hz</li> <li>• Output: 54V DC, 1.67A external power adapter</li> <li>• Max. consumption: 90W</li> </ul>

## Specifications

Operating Temperature	<ul style="list-style-type: none"><li>• 0 – 40° C (32 – 104° F)</li></ul>
Operating Humidity	<ul style="list-style-type: none"><li>• Max. 90% non-condensing</li></ul>
Dimensions	<ul style="list-style-type: none"><li>• 215 x 130 x 44.45mm (8.27 x 6.3 x 1.73 in.)</li><li>• Rack mountable 1U height</li></ul>
Weight	<ul style="list-style-type: none"><li>• 762g (1.7 lbs.)</li></ul>
Certifications	<ul style="list-style-type: none"><li>• CE</li><li>• FCC</li></ul>
Warranty	<ul style="list-style-type: none"><li>• 3 year</li></ul>
Package Contents	<ul style="list-style-type: none"><li>• TEW-WLC100P</li><li>• Quick Installation Guide</li><li>• CD-ROM (User's Guide)</li><li>• Power adapter (54V DC, 1.67A)</li><li>• Rackmount kit</li></ul>

\*For wireless controller compatibility, access points must have the corresponding firmware versions listed below.

- TEW-755AP (Firmware Version: 1.04 or above)
- TEW-821DAP (Firmware Version: 1.06 or above)
- TEW-825DAP (Firmware Version: 1.02 or above)