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TP-Link EAP225-Outdoor

TP-Link Omada EAP225-Outdoor Access Point User Manual

Model: EAP225-Outdoor | Brand: TP-Link

Introduction

The TP-Link Omada EAP225-Outdoor is a high-performance AC1200 dual-band outdoor access point designed for reliable and extended Wi-Fi coverage in various environments. Featuring IP65 weatherproof housing, it is built to withstand harsh outdoor conditions while providing seamless roaming and remote management capabilities through the Omada SDN platform. This manual provides essential information for setting up, operating, and maintaining your EAP225-Outdoor access point.

What's in the Box

- AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point EAP225-Outdoor
- Power Adapter
- Mounting Kits
- Installation Guide

Key Features

- **Superior Speed with MU-MIMO:** Equipped with 802.11ac Wave 2 MU-MIMO technology, delivering dual-band Wi-Fi speeds up to 1200 Mbps simultaneously to multiple devices.
- **Indoor/Outdoor Use:** Durable, IP65 weatherproof enclosure protects against harsh outdoor conditions, providing stable wireless coverage up to 200m+ at 2.4GHz and 300m+ at 5GHz outdoors. Suitable for discreet indoor scenarios as well.
- **Integrated Omada SDN:** Part of Omada's Software Defined Networking (SDN) platform, integrating access points, switches, and gateways with multiple control options (Hardware, Software, or Cloud-based Controller). Standalone mode is also supported.
- **Cloud Access:** Remote Cloud access and the Omada app enable centralized cloud management of the entire network from a single interface, anywhere, anytime.
- **Advanced Wireless Technology:** Supports Mesh WiFi, Seamless Roaming, Band Steering, Airtime Fairness, and Beamforming technologies for optimized performance.

- **Multiple PoE Options:** Supports both 802.3af/at PoE & Passive PoE power supply for effortless and flexible deployment.

Setup Guide

This section outlines the general steps for setting up your EAP225-Outdoor access point. For detailed instructions, please refer to the included Installation Guide or the official TP-Link support website.

1. Physical Installation

The EAP225-Outdoor can be mounted on a pole or wall using the provided mounting kits. Ensure the chosen location provides optimal Wi-Fi coverage and is protected from direct impact.

Image: The TP-Link EAP225-Outdoor access point, showing its sleek white design and dual antennas.

2. Powering the Device

The EAP225-Outdoor supports Power over Ethernet (PoE). You can power it using either an 802.3af/at compliant PoE

switch or the included Passive PoE adapter. Connect an Ethernet cable from your network to the PoE port on the adapter, and then connect another Ethernet cable from the LAN port of the adapter to the EAP225-Outdoor's Ethernet port.

Image: The PoE injector with clearly labeled PoE and LAN ports, used to power the access point via Ethernet cable.

3. Network Connection

Connect the EAP225-Outdoor to your existing network infrastructure via an Ethernet cable. For optimal performance, connect it to a gigabit Ethernet port.

Image: Diagram illustrating effortless deployment using Power over Ethernet (PoE) for the EAP225-Outdoor in an outdoor setting, showing a single Ethernet cable providing both power and data.

4. Configuration

The EAP225-Outdoor can be configured in standalone mode via its web interface or integrated into an Omada SDN network. For Omada SDN, you can use a hardware controller, software controller, or cloud-based controller.

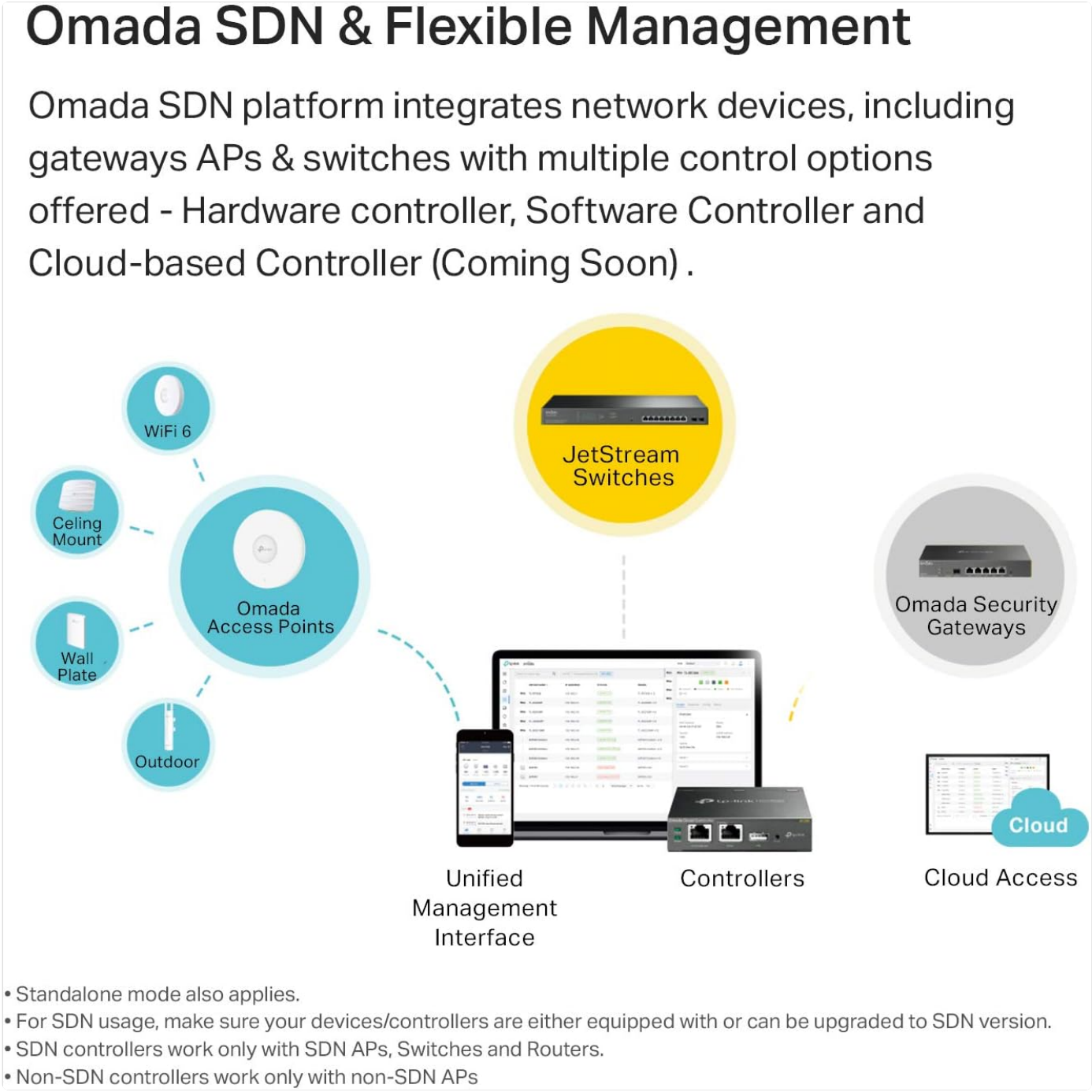

Image: An overview of the Omada SDN platform, showing various Omada devices (access points, switches, gateways) managed through a unified interface, controllers, and cloud access.

For cloud-based management, download the Omada app or access the Omada Cloud portal. This allows for remote deployment and configuration of multi-site networks.

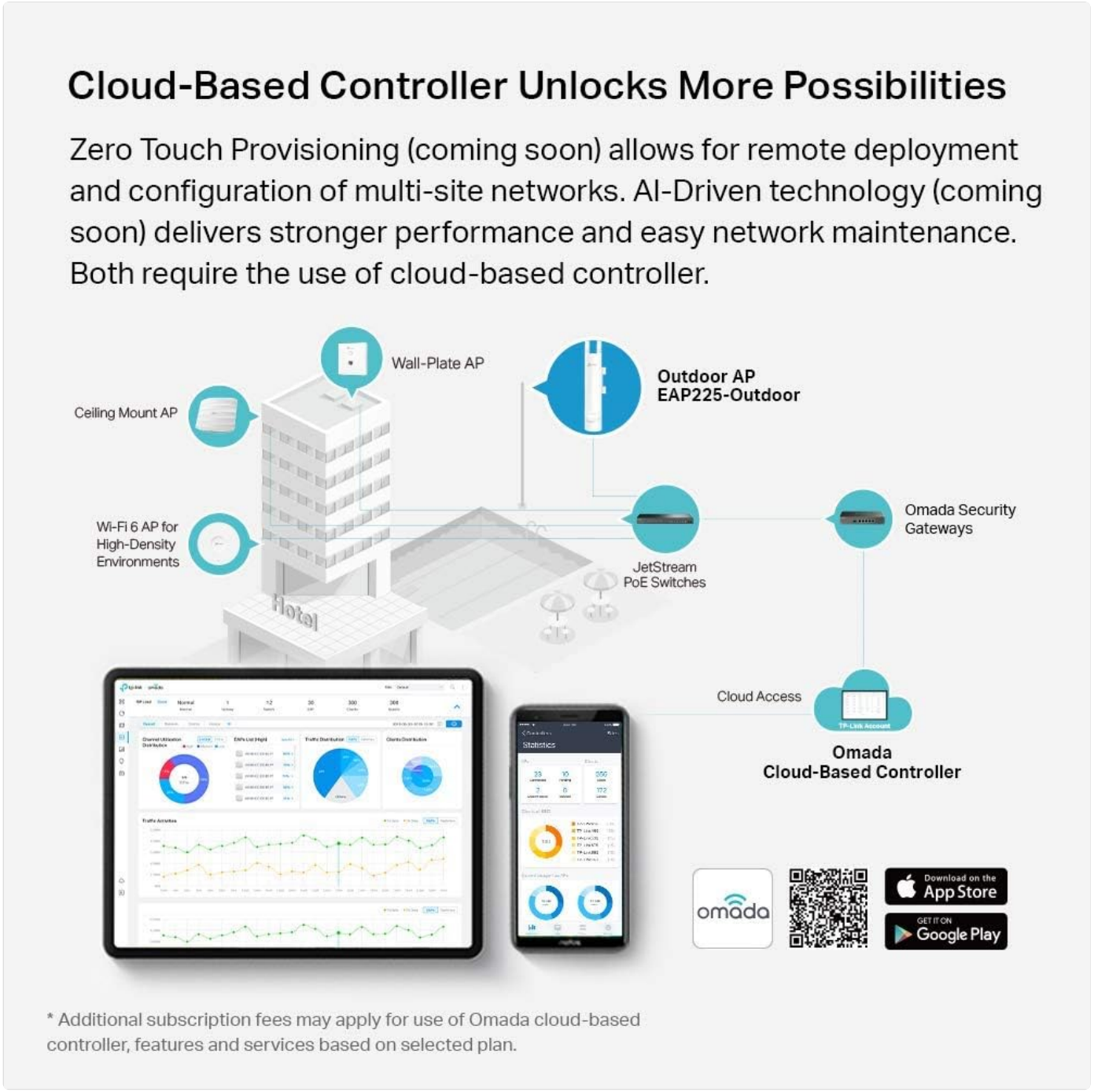

Image: A diagram illustrating the capabilities of a cloud-based controller, showing how various Omada devices like outdoor APs, wall-plate APs, and ceiling mount APs can be centrally managed for different scenarios like hotels.

Operating Instructions

Once configured, the EAP225-Outdoor will broadcast Wi-Fi signals on both 2.4 GHz and 5 GHz bands. Devices within range can connect to the network using the SSID and password you have set.

Wi-Fi Connectivity

Ensure your client devices (smartphones, laptops, tablets) have Wi-Fi enabled and scan for available networks. Select your configured network name (SSID) and enter the password to connect. The access point supports seamless roaming, allowing devices to automatically switch between access points for the strongest signal without interruption.

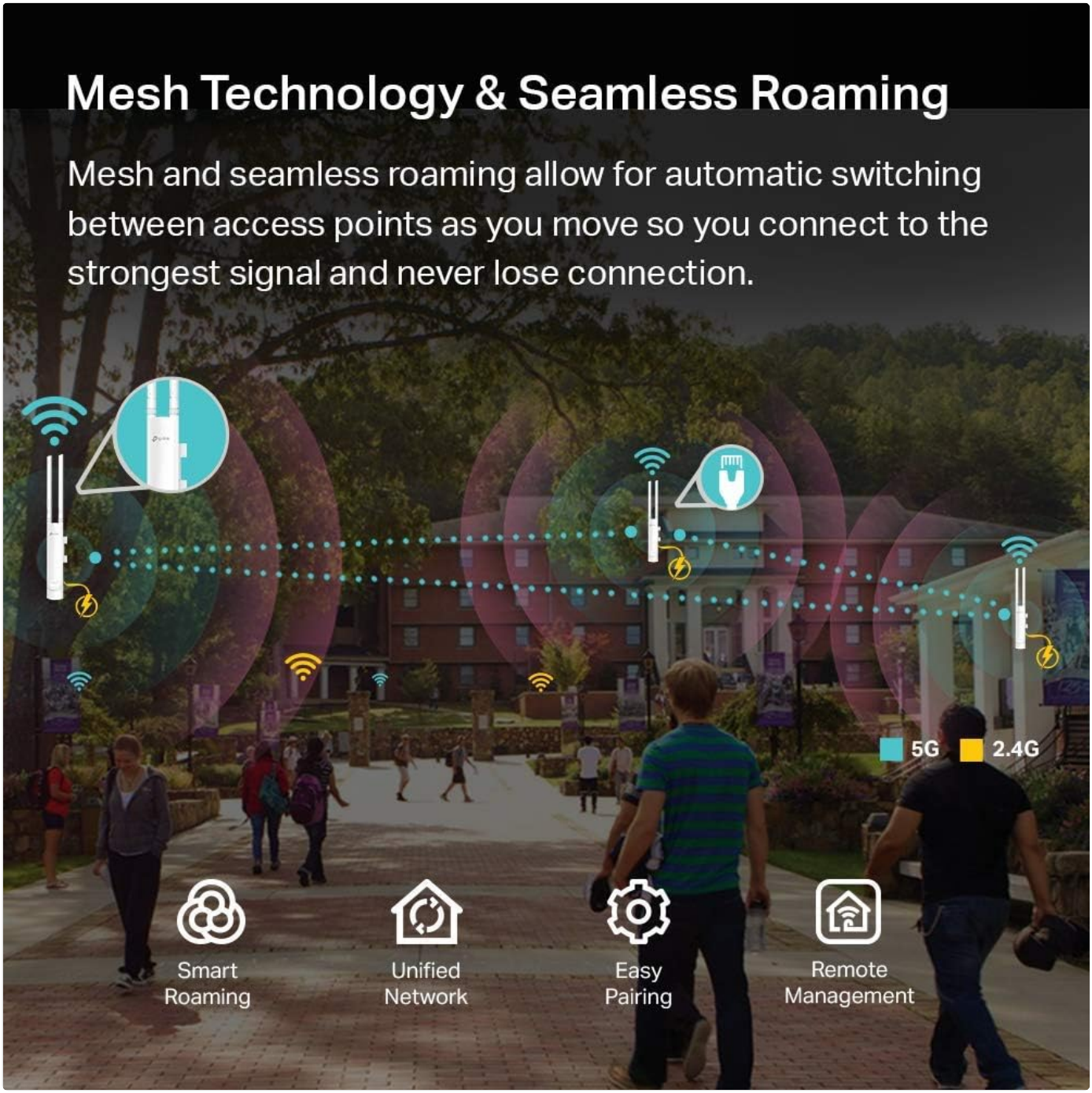

Image: A visual representation of Mesh Technology and Seamless Roaming, showing multiple access points creating a unified network and devices automatically switching connections as users move.

Performance and Range

The EAP225-Outdoor provides extended range, with 2.4GHz offering coverage beyond 200 meters and 5GHz beyond 300 meters in outdoor environments. Actual performance may vary based on environmental factors and client devices.

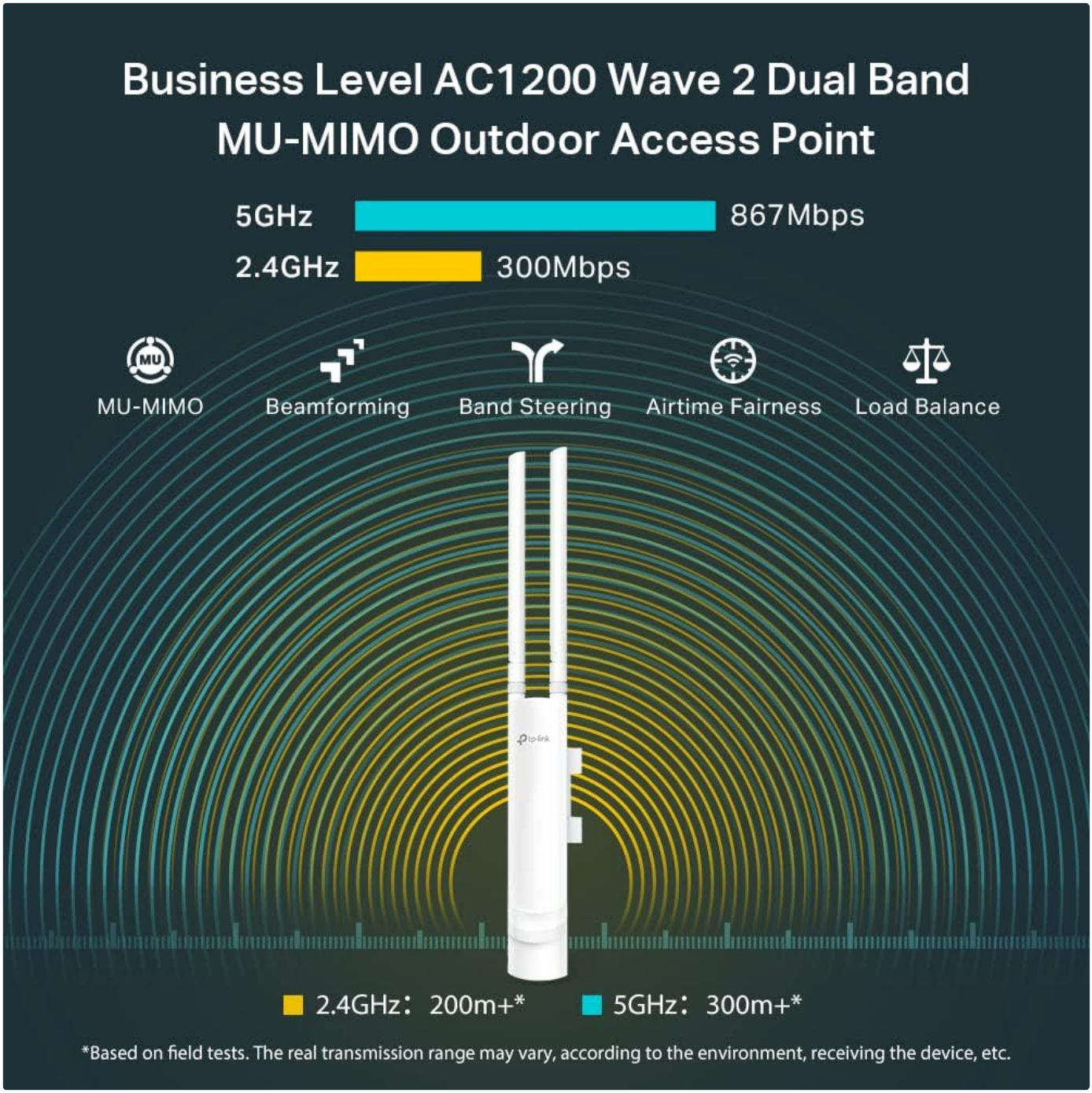

Image: A graphic illustrating the performance capabilities of the AC1200 Wave 2 Dual Band MU-MIMO Outdoor Access Point, highlighting 5GHz speeds up to 867Mbps and 2.4GHz up to 300Mbps, along with estimated outdoor ranges.

Application Scenarios

This access point is ideal for various outdoor and large indoor settings, including yards, swimming pools, outdoor cafes, playgrounds, and parks, providing robust Wi-Fi connectivity.

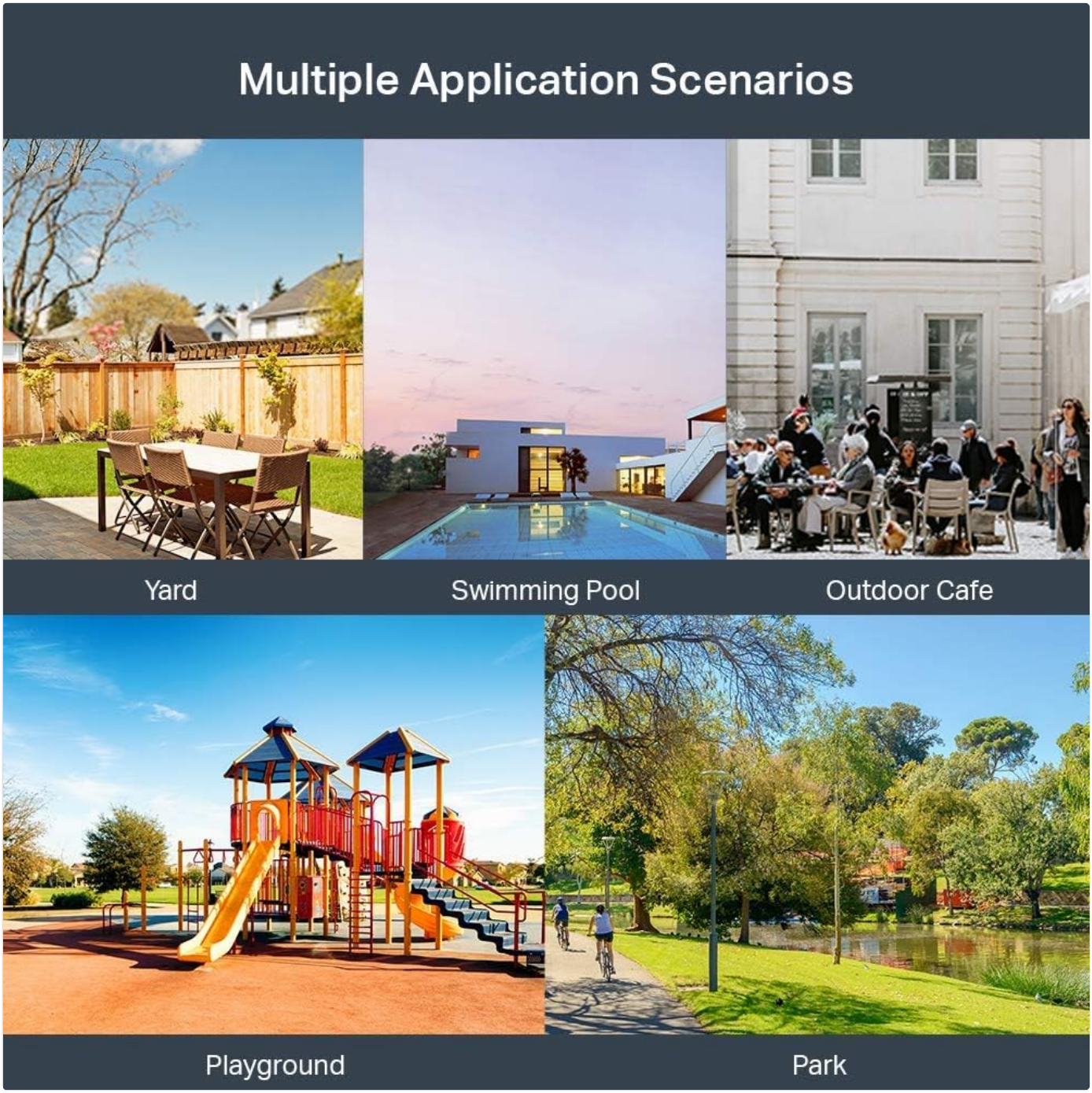

Image: A collage of images depicting various outdoor application scenarios for the EAP225-Outdoor, such as a backyard, swimming pool area, outdoor cafe, playground, and park.

Maintenance

The EAP225-Outdoor is designed for durability and requires minimal maintenance. Regularly check for firmware updates through the Omada controller or standalone web interface to ensure optimal performance and security. Keep the device free from obstructions and ensure proper ventilation if installed indoors.
While the device is weatherproof, avoid exposing it to extreme conditions beyond its IP65 rating. Periodically inspect cables and connections for any signs of wear or damage.

Troubleshooting

If you encounter issues with your EAP225-Outdoor, consider the following basic troubleshooting steps:

- **No Power:** Ensure the PoE adapter or PoE switch is properly connected and receiving power. Check all Ethernet

cable connections.

- **No Wi-Fi Signal:** Verify the device is powered on and the status LED is indicating normal operation. Check your network configuration in the Omada controller or web interface.
- **Slow Speeds:** Check for interference from other wireless devices. Ensure the access point is placed in an optimal location. Verify your internet connection speed.
- **Cannot Access Web Interface:** Ensure your computer is on the same network segment as the EAP225-Outdoor. Try resetting the device to factory defaults (refer to the Installation Guide for reset procedure).

For more advanced troubleshooting or persistent issues, please refer to the comprehensive User Guide available on the TP-Link support website or contact TP-Link technical support.

Specifications

Feature	Detail
Product Dimensions	8.46 x 1.81 x 1.05 inches
Item Weight	5.9 ounces
Model Number	EAP225-Outdoor
Brand	TP-Link
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Wireless Standard	802.11ac Wave 2 MU-MIMO
Max Wireless Speed	AC1200 (867 Mbps at 5 GHz, 300 Mbps at 2.4 GHz)
Weatherproof Rating	IP65
Power Supply	802.3af/at PoE or Passive PoE
Recommended Uses	Home, Outdoor, Large Area Wi-Fi Extension

Warranty and Support

The TP-Link EAP225-Outdoor is backed by a **limited lifetime warranty** and free **24/7 technical support**.
For technical assistance, product registration, or warranty claims, please visit the official TP-Link support website or contact their customer service.
Official User Guide (PDF): Download User Guide

Important Information

Legal Disclaimer

1. Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications are based upon test results under normal usage conditions. Actual wireless transmission rate and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance,

location, connection quality, and client condition.
2. Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, Internet service provider factors and other environmental conditions.

On-mode Power Consumption

10.5 watts

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