



# How high should the outdoor wireless AP base station be installed





## Overview

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Keep APs within recommended mounting heights: (20–30 feet, ideally under 40 feet) to avoid weakened signal strength. Anticipate interference from lighting, HVAC systems, and conduits. Consider acoustic panels that may scatter or absorb RF signals.

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This article describes the best practices for mounting outdoor access points (APs). For full installation instructions, read the B350 Outdoor Access Point Installation Guide. Most defective access point claims are from water damage caused by missing drip loop or lighting strikes caused by improper.

Indoor APs can be installed on walls, ceilings, T-rails, U-rails, desks, into ceilings, or embedded into 86-type boxes. The recommended installation height is from 3 m to 4 m. Outdoor APs can be installed on walls and poles. The recommended installation height is 4 m to 6 m for omnidirectional.

Outdoor access points play a vital role in expanding your wireless network over larger distances, offering reliable and high-performance connectivity in areas such as campuses, parks, or outdoor event venues. By deploying these access points, you can reduce costs on infrastructure and wiring.

For a room with a ceiling height of 20 feet, it is recommended to install the access points (APs) on the ceiling. This is because the signal strength of the APs is stronger when they are installed on the ceiling than on the wall. The APs should be installed at a height of 10-12 feet from the floor.

Excerpt from doc: The access points can be installed at any height, but best throughput is achieved when all the access points are mounted at the same height. We recommend installing the access points no higher than 40 feet to allow support for wireless clients on the ground.

This Solutions Guide will introduce the various ways to expand your indoor network



to outdoor spaces, including a backyard, a remote barn or guest house, a dock or yacht club, campgrounds, and other large outdoor areas. Depending on how far from the house or building you want to extend your.



## How high should the outdoor wireless AP base station be installed



### How to Deploy Wireless APs in High & Open Ceiling Facilities

Learn how to deploy wireless access points in high and open ceiling facilities with our partner Oberon, a Division of Chatsworth Products (CPI).

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### TP-Link USA Outdoor Solution Guide

Depending on how far from the house or building you want to extend your wireless connection determines what solution will best meet your needs. There are many possible ...

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### How high is too high for an access point?

The APs should be installed at a height of 10-12 feet from the floor. This height ensures that the signal is not blocked by any obstacles ...

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### What Installation Modes Are Supported by Indoor and Outdoor ...

Outdoor APs can be installed on walls and poles. The recommended installation height is 4 m to 6 m for omnidirectional antennas, and 6 m to 8 m for directional antennas (60° ...



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### **Ideal height for mounting Cisco outdoor Wireless Access Point?**

Cisco recommend installing the access points no higher than 40 feet (12.2 meters) to allow support for wireless clients on the ground in the immediate vicinity of the access point.

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### [Step-by-Step Outdoor Access Point Installation Guide](#)

This comprehensive guide covers the step-by-step process for outdoor access point installation to provide reliable network coverage in open areas such as campuses or parks.

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### **Mounting Your WiFi Access Point the**



## Right Way : Robinson Park

Height Matters: Mount the AP high on a wall or ceiling, but not too high. Aim for about 6-8 feet above the floor. Avoid Obstructions: Keep the AP away from large metal ...

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## Access Point on Ceiling: How to Mount for Coverage , Chatsworth

Learn how to mount an access point on ceiling for reliable Wi-Fi coverage. Follow CPI's practical guide to design, placement and secure mounting solutions.

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## How high is too high for an access point??

The APs should be installed at a height of 10-12 feet from the floor. This height ensures that the signal is not blocked by any obstacles and provides optimal coverage for the ...

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## Access Point Distance: Calculate



## Ideal AP Placement for WiFi ...

Proper access point distance is crucial for WiFi performance. Learn how building materials, usage patterns, and professional site surveys determine optimal AP placement for your network.

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## [Access Point on Ceiling: How to Mount for ...](#)

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## [Best Practices for Mounting Outdoor Access Points](#)

When attaching the cable gland base to the access point, torque the cable gland base to 62-inch pounds. If you don't have a torque wrench, make sure the gland and rubber grommet are ...

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## [Ideal height for mounting Cisco outdoor](#)



## [Wireless ...](#)

Cisco recommend installing the access points no higher than 40 feet (12.2 meters) to allow support for wireless clients on the ground in ...

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For catalog requests, pricing, or partnerships, please visit:

<https://energyinnovationday.pl>

Phone: +48 22 335 1273

Email: [info@energyinnovationday.pl](mailto:info@energyinnovationday.pl)

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