

# Two thin access points are connected to the same switch



## AI Overview

Two thin (lightweight) access points can be connected to the same switch using trunk ports, with proper VLAN configuration and CAPWAP discovery to ensure seamless network operation.

**Switch and VLAN Configuration** When connecting multiple thin APs to a single switch, each AP should be connected to a trunk port on the switch. This allows multiple VLANs to traverse the link, including:

- AP management VLAN (native VLAN on the trunk) for CAPWAP control traffic
- SSID VLANs for client data traffic

All VLANs that the APs will serve must be allowed on the trunk ports. Each AP can then map wireless SSIDs to the corresponding VLANs, enabling proper segmentation of corporate, guest, or other networks.

**AP Discovery and CAPWAP** Thin APs rely on a controller (WLC) for configuration and management. The APs must discover the controller before becoming active. Discovery methods include:

- Layer 2 discovery using broadcast on the same subnet
- Layer 3 CAPWAP discovery for APs on different subnets
- DHCP Option 43 to provide the controller IP
- DNS discovery using a configured domain name

Once discovered, the AP establishes a CAPWAP tunnel to the controller, which manages SSIDs, VLAN mapping, and policies.

**Traffic Flow and Local Switching** Depending on the deployment:

- Central switching:** All client traffic is tunneled to the controller before reaching the wired network.
- FlexConnect/local switching:** APs bridge client traffic directly to the VLANs on the switch, reducing controller load and latency.

**Best Practices** Ensure each AP has a unique IP for management. Configure trunk ports with the AP management VLAN as native and allow all client VLANs. Use consistent SSID-to-VLAN mapping across APs for seamless roaming. Verify DHCP availability for client VLANs and AP management VLAN. Monitor CAPWAP tunnels and syslog messages to ensure APs remain connected and properly managed. By follow...

## Article Content

Solved Two wireless access points that are in the same

Two wireless access points that are in the same subnet are connected to ports a single Ethernet switch. A Wifi device leaves one access point and attaches to the other access point.

How to have multiple access points and one ssid for

How to setup those and do I need to connect each AP through ethernet wire? The most common deployment of access points is a backhaul

How can I get the same SSID for multiple access points?

I need to upgrade my existing wireless infrastructure and this time I want 2 access points to cover my house, since I get blind spots no matter what with a single AP. I have physical cabling to my central

WiFi 101 - Access Points, Wireless Routers, and Switching

Our resident IT expert Ross Thomas stops by to discuss routers, access points and the components of a secure WiFi connection.

Wiring two access points with one modem

For each of the devices, which should be set to Access Point only? I.e. which should have the switch feature turned off? The switch feature doesn't

How a wireless AP can have multiple VLAN?

Those same VLAN's must be present on all the switches the traffic travels through. The switch port where the AP is connected is trunk and the must

How to Setup TP-Link AP's Multi-SSID (VLAN) to Work with TP-Link

TP-Link Access Point Product such as TL-WA701ND, TL-WA801ND, TL-WA901ND, has a feature called "Multi-SSID". It can broadcast up to four wireless networks with different names.

NYT Connections archive

Every NYT Connections puzzle ever published is listed here, organised by date, with all four category groups and their sixteen words. The NYT only offers the current day's puzzle for free,

Will two devices connected to the same wifi, talk via the access point ...

In a standard (i.e. non-AdHoc) WiFi network the answer is yes, packets sent between WiFi Stations will go via the Access Point. As allen-smithee mentions, the analogy probably makes more

## Multiple access points / Switching issues

Set both access points to the same network name (SSID). Make sure both have the same network security settings, non-mixed, AES only, Same network keys, but on non-overlapping

### Correct way to connect 2 Access Points

Conquering both of them at the same time might be a lot of work if you're not used to working in the wireless network realm. What you learn from one you can carry forward into the other

Two wireless access points that are in the same subnet are

Two wireless access points that are in the same subnet are connected to ports a single Ethernet switch. A Wifi device leaves one access point and attaches to the other access point.

Yahoo Life: Latest News on Health, Wellness, Style, Fashion Trends

Yahoo Life is your source for style, beauty, and wellness, including health, inspiring stories, and the latest fashion trends.

Can I have multiple access points or repeaters with the same SSID ?

Assign a different SSID to each access point/repeater This can easily be setup with any WiFi hardware, the downside being that the access points form completely different networks, without auto-switching

### Latest Consumer Goods & Retail Stock Analysis

Seeking Alpha's latest contributor opinions and analyses of the consumer and retail sectors. Click to discover stock ideas, strategies, and analyses.

### Do Two Devices on the Same Wi-Fi Communicate Directly or Through

We'll dive into ping packets, MAC addresses, and the 802.11 Wi-Fi standard to understand when devices communicate directly and when they rely on the access point.

### Same SSID on router and Access Point?

Use it as an access point in the other end of the house (a wire is available) The problem this nr 1 is that it seems to still be too far away. The wifi is

### Adobe Community | Inspiration, Tutorials & Resources

Join the Adobe Community to find inspiration, browse galleries, learn creative workflows, and connect with fellow creators from around the world.

How to setup two Cisco Wireless Access Point to be seen as one with ...

Yes you can achieve this by configuring AP autonomous mode with same SSID.

unsupervised\_topic\_modeling/topics/en/13/100/100/topics

Contribute to annontopicmodel/unsupervised\_topic\_modeling development by creating an account on GitHub.

Two Identical AX55 acting as Access Points on the same subnet

All WiFi SSIDs and settings including Smart Connect are identical for the two Access Points. Since I'm running in Access Point mode on both devices no Mesh has been set up.

2 Access Points connected to same switch, only 1 of them can

The question: What setting/feature do I need to use/change so devices connected to the access point on port 3 can discover the device on port 2. Right now only devices connected to the access point on

How To Connect Two Routers To Share The Same

You have two different network SSID's broadcasting, but connecting to either one should allow you to see the main network as if you were simply

Multiple Wireless Access Points On The Same Network

There are best practices that need to be followed when deploying multiple wireless access points on the same network, learn more on our blog!

Question

Generally the terms and conditions for home internet service prohibit sharing it to a second address. Switch1 (house 1) -> switch2 (house 2) -> AP1, AP2, AP3.

Several WiFi Access points, connected with wires, in the same network

I'm about to move my place of living and my company HQ at the same time to a new location. It's a 2-story building with rather thick concrete walls, and when I tried to put my wifi router/access point

Setting up multiple wireless access points on same network

I'd like to add wireless to my network, and I need multiple access points to cover the whole area. I'd like to set them up so that there's only one "wireless network" that the clients see, and

Multiple Wireless Access Points

Hey Spicers, Just looking to bounce an idea off everyone. I am looking to extending an existing wireless network in order to have better coverage in all parts of the building. We just run

2 Access Points connected to same switch, only 1 of them can

Your solution is to put your Nest Wifi in Access Point mode (Bridge Mode in Nest Wifi parlance) so that it behaves as a Wifi access point, but all the other router functionality (which is creating your issue) is

How to create one WiFi network with multiple access

This problem made me wonder how my school solves it. Hogeschool Gent has multiple access points that all act as one big network. When I walk

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://energy-powertools.eu>

Email: [info@energy-powertools.eu](mailto:info@energy-powertools.eu)

Phone: +49 172 6389472

Address: Musterstraße 12, 10115 Berlin, Germany

This document is for informational purposes only. Specifications subject to change without notice.

