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ALTA LABS AP6-Pro AltaPass Wifi6 6.3 Gbps Access Point

ALTA LABS AP6-Pro AltaPass Wifi6 6.3 Gbps Access Point Owner's Manual

Contents

[∧] ALTA LABS

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Specifications

- Number of Apartments: 69
- Number of Floors: 5
- Number of Passwords (Single SSID): 72
- Access Points: 73
- Switches: 8 (S24-POE, connected to an aggregate switch using SFP+ Modules)
- VLANs: 70
- Power over Ethernet (PoE+): 54VDC, 0.6A Max

Product Usage Instructions

Setting Up Alta Labs at The Hill Luxury Apartment Complex:

1. Install an AP6-Pro access point in each apartment unit and wire it back to an Alta Labs S24-POE switch on the floor.
2. Place additional AP6-Pro access points in common areas and the gym for maximum coverage.
3. Deploy AltaPass throughout the complex to enable a single wireless network SSID.
4. Assign each tenant a unique password tied to their lease agreement for personalized bandwidth and VLAN settings.

Managing Alta Labs at The Hill:

1. Utilize Alta Labs admin permission settings to grant access for administrative assistants to change specific AltaPass passwords.
2. Access the cloud-based management platform to monitor the network and make policy changes remotely.

Homebase Integration: Utilize Homebase devices with unique passwords connected via WiFi, creating private subnets for locks and thermostats.

Frequently Asked Questions

- **Q: How many access points are installed at The Hill Luxury Apartment Complex?**
  - A: There are a total of 73 access points installed throughout the complex.
- **Q: What type of switches are used in the setup?**
  - A: The setup includes 8 S24-POE switches connected to an aggregate switch using SFP+ Modules.
- **Q: How many VLANs are configured at The Hill?**
  - A: There are a total of 70 VLANs set up for network segmentation and security purposes.

Luxury Apartment Complex Near Notre Dame University Utilizes Alta Labs

The Hill is a new luxury apartment complex in South Bend, Indiana. Located just ¾ of a mile away from Notre Dame University, the community offers high-end amenities such as a 24/7 fitness center, a podcast studio, indoor bike storage, a pet park and dog washing area, and study/gaming/conference areas.

The Hill

Making a Case For Alta Labs

The building owner wanted to provide each tenant with a basic wireless internet package, as a value add for renting in the complex. The owner wanted to assure each tenant had the best possible coverage, could not see what the other tenants were doing on the network, nor see what other devices were connected to the network. The goal was to be able to offer higher connection speeds for tenants that were willing to pay for it. The building owner also wanted to simplify management of the building's tenant turnover, wanted to be able to check in on the facility, and also wanted to make sure vacant apartments were not being heated and cooled unnecessarily. All from a

distance.

The owner reached out to Alta Labs and CozyCloud IT to see what solutions could be provided. The project was awarded to CozyCloud IT and Alta Labs as soon as he realized all of the project requirements were exceeded by using Alta Labs products. The complex could utilize a single wireless network SSID with Alta Labs' patented AltaPass™ technology. Combining that with the seamless roaming functionality, tenants would have the ability to connect to their private network from anywhere within the complex.

"AltaPass was a big selling point. Allowing all of the residents to connect to one wireless network yet retain their privacy and custom network settings is a game-changer. Having the ability to capitalize on additional revenue opportunities from potential bandwidth upgrade packages put this solution over the top."

- Griff Johnson, Public Development Partners

AP6-Pro in Community Area

Utilizing AltaPass Technology to Have the Equipment Pay for Itself

An AP6-Pro access point was installed inside of each apartment unit and wired back to an Alta Labs S24-POE switch on each floor. Additional AP6-Pro access points were placed in common areas and the gym to assure maximum coverage. AltaPass was deployed throughout the entire complex allowing the use of a single wireless network SSID. Each tenant received a unique password when signing their lease agreement. This unique password is tied to the tenant and defines their bandwidth limitations and VLAN settings, so they are isolated to their own private and secure subnet.

AP6-Pro Installed in Upper Right Above Entrance

Gym with Alta Labs AP6-Pro

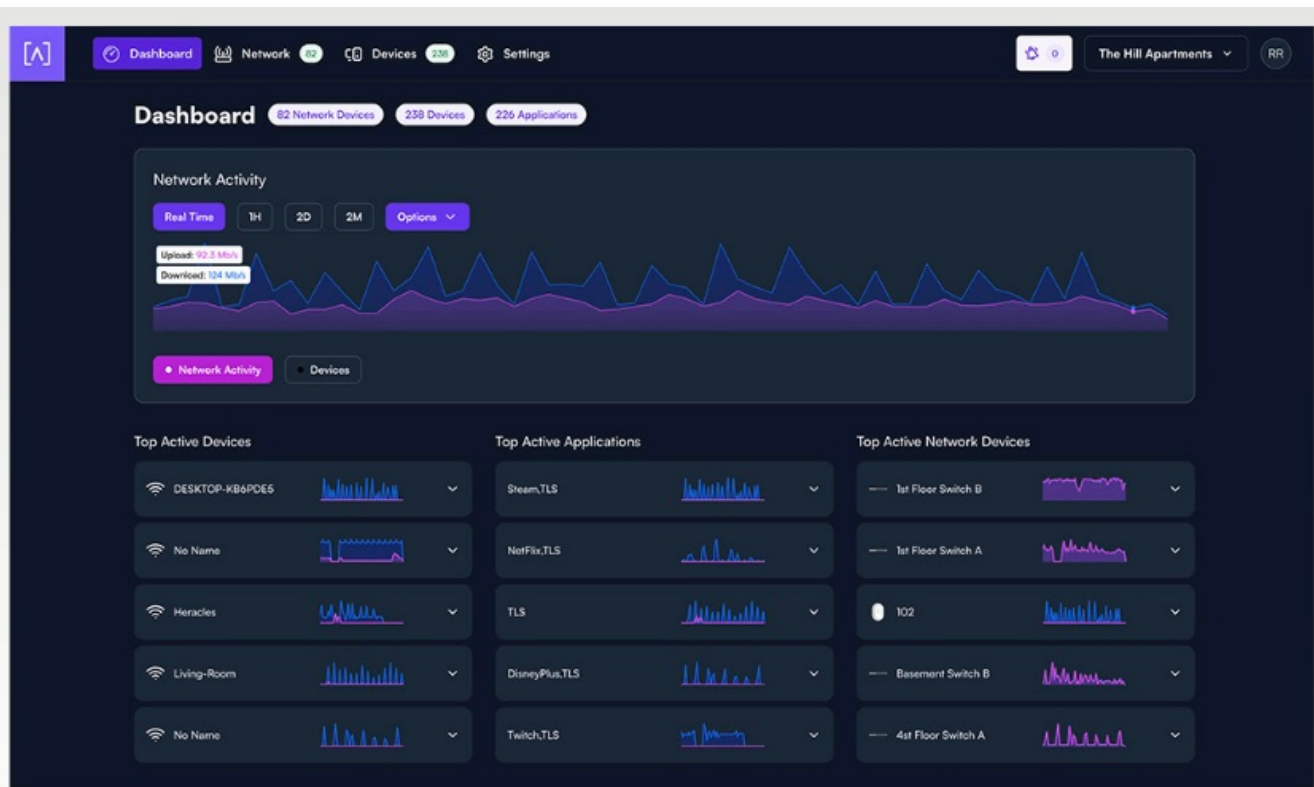For more on AltaPass, visit **www.alta.inc/altapass**

AP6-Pro Installed in a Community Area

Homebase was chosen for their camera system as well as their WiFi enabled locks and thermostats. A unique password was also created for use by the Homebase devices that are connected via WiFi. The locks and thermostats join a private subnet with only access to the internet to report back to their private cloud infrastructure. A separate wired subnet was also created for the cameras, which are powered over Ethernet using Alta Labs \S24-POE network switches

The Hill Project Overview	
	69 Apartments
	5 Floors
	72 Passwords (Single SSID)
	73 Access Points
	8 Switches (S24-POE, connected to an aggregate switch using SFP+ Modules)
	70 VLANs

Utilizing Alta Labs admin permission settings, the building owner can grant access to administrative assistants to change only certain AltaPass passwords, such as tenant passwords when there are new tenants. Utilizing Alta Labs cloud-based management platform, the building owner can check in on the network and make policy changes from another state

The Hill Apartments Dashboard in Cloud Management Portal

Deploying and managing the Alta Labs solutions at The Hill has been surprisingly easy. I was thoroughly impressed with the features Alta Labs have deployed and how well their management interface works. All the feedback I have received so far from the residents is that the coverage and bandwidth has been \exceptional. The Alta Labs solutions combined with our enterprise-grade fiber internet to the building has been a winning combination for everyone!"

- Tim Jackson, CozyCloud IT

The basic WiFi package provides 50 Mbps download speed. Upgrade options are available for 100 Mbps and 250 Mbps. Revenue from the bandwidth upgrades create an engine to pay for the Alta Labs equipment installation over an 18 month period, rather than being a sunk capital expense.

Speed	Price
50 Mbps	$50 Per Month
100 Mbps	$70 Per Month
250 Mbps	$90 Per Month

AP6-Pro in Kitchen Area

AP6-Pro Mounted on the Wall

We have received zero complaints from the residents regarding the internet. Which, from a management company's perspective, is considered good news!"
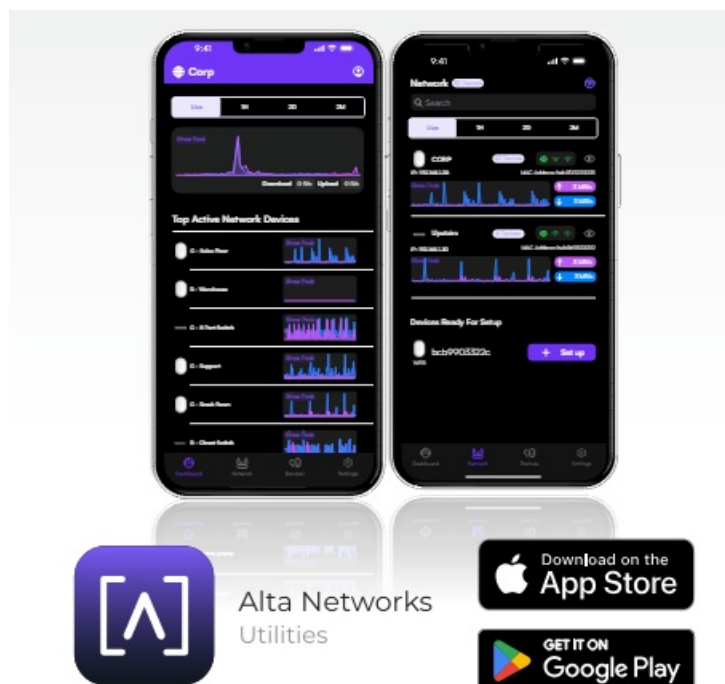
- Carmen Davis, Bradley Company

Exterior Shot of The Hill Apartments

Contact

For More Information

- Visit the The Hill Apartments website at
    - **www.thehillsouthbend.com**
- Visit the CozyCloud IT site at
    - **cozycloudit.com**
- Visit the Public Development Partners at
    - **publicdevelopment.com**
- Visit our website for more case studies at
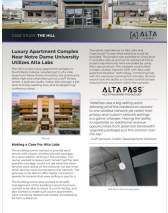   - **alta.inc/case-studies**

Download the Alta Networks mobile app by\ clicking the appropriate button below

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www.alta.inc

Documents / Resources

	ALTA LABS AP6-Pro AltaPass Wifi6 6.3 Gbps Access Point [pdf] Owner's Manual AP6-Pro AltaPass Wifi6 6.3 Gbps Access Point, AP6-Pro, AltaPass Wifi6 6.3 Gbps Access Point, Wifi6 6.3 Gbps Access Point, 6.3 Gbps Access Point, Access Point, Point

References

- **Home - CozyCloud IT**
- **Public Development Partners LLC - Real Estate Developer**
- **The Hill | Apartments in South Bend, IN**
- **User Manual**