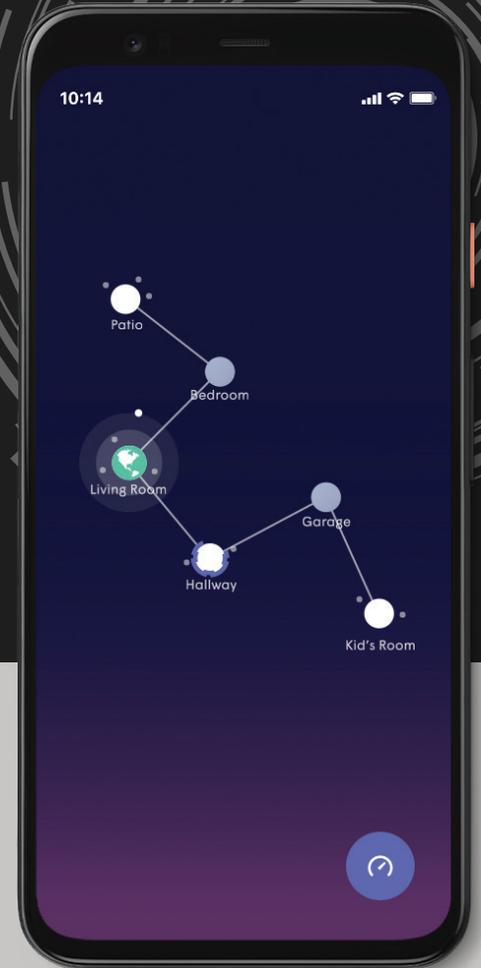# Plume Adaptive WiFi™

Deliver a superior wireless experience to your customers.

Today's smart homes struggle with yesterday's Wi-Fi

With the explosion of devices, data demands, and security risks, many home Wi-Fi networks struggle to keep up, putting pressure on service providers and device manufacturers.

Plume Adaptive WiFi unlocks smart home performance

Plume's Adaptive WiFi continually adjusts to home usage, topography, and neighborhood activity to deliver in-home performance beyond the capabilities of standard mesh-based systems—all intelligently managed from the cloud. We then put that information in your hands so you can serve your customers with faster, more efficient support unique to their needs.

Key Features

Optimize
Topology Optimization

Adaptive WiFi optimizes the backhaul network, providing your customers with greater speed and coverage than mesh networks. The cloud adapts to their home and usage, constantly refining performance.

Steer
Band and Client Steering

Intelligent band steering algorithms find optimal connections for all devices. Plume Cloud provides "hitless" client steering and roaming, for seamless transitions as customers move throughout the home.

Prioritize
Airtime Control

The Plume Cloud measures and coordinates channel and bandwidth selection inside single homes and across apartment clusters, improving MDU WiFi in dense urban environments.

Measure
Customer and ISP Insights

Customers can get access to detailed performance indicators, with in-app troubleshooting to assist with service inquiries. ISPs can then visualize the customer network from Plume's cloud-fed operations center.

Key Benefits

Performance
Adaptive WiFi technology works hand-in-hand with Plume Cloud management to deliver superior coverage, speed, and reliability throughout the home.

Predictive
Adaptive WiFi is able to predict a home's Wi-Fi needs each day, based on customers' past user behavior and neighboring network interference.

Quality
Plume steering algorithms find the fastest initial connections and adjust throughout the day, eliminating "sticky client" connections and extending the maximum range of customer devices.

Personalization
Cloud algorithms manage each home network individually. Connections are customized to support cloud-learned usage, delivering a responsive network that's unique to customers' homes.

Overall Experience
Adaptive WiFi's cloud base eliminates network instability, inconsistencies, and unpredictable behavior, improving customer experiences through a centrally controlled network.

The Plume Advantage

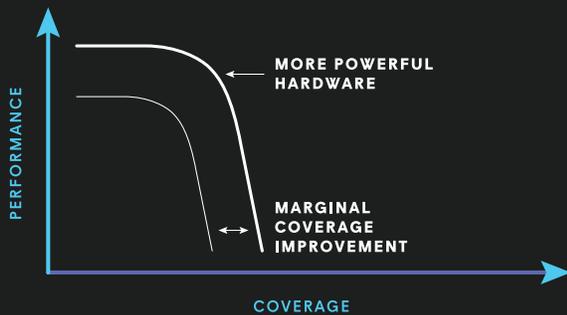How is Plume Adaptive WiFi distributed to improve coverage?
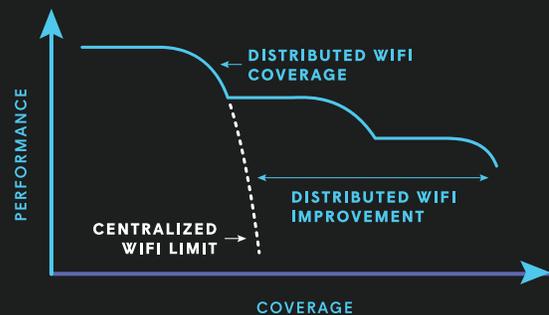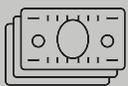

FIG. 1. SINGLE WI-FI ROUTER HW IMPROVEMENT

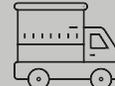FIG. 2. DISTRIBUTED WI-FI SYSTEM IMPROVEMENT

Why partner with Plume?

Our services are proven to help ISPs reduce costs while increasing operational efficiency.*

Increase monthly ARPU by $15

Improve NPS by 60+

Reduce truck rolls by 67%

*Data based on an average taken across Plume's deployed ISP customer base.

Let's get started

Contact **partner@plume.com** to learn more about how Plume Adaptive WiFi delivers a better home WiFi experience for your customers — and greater efficiencies for you.