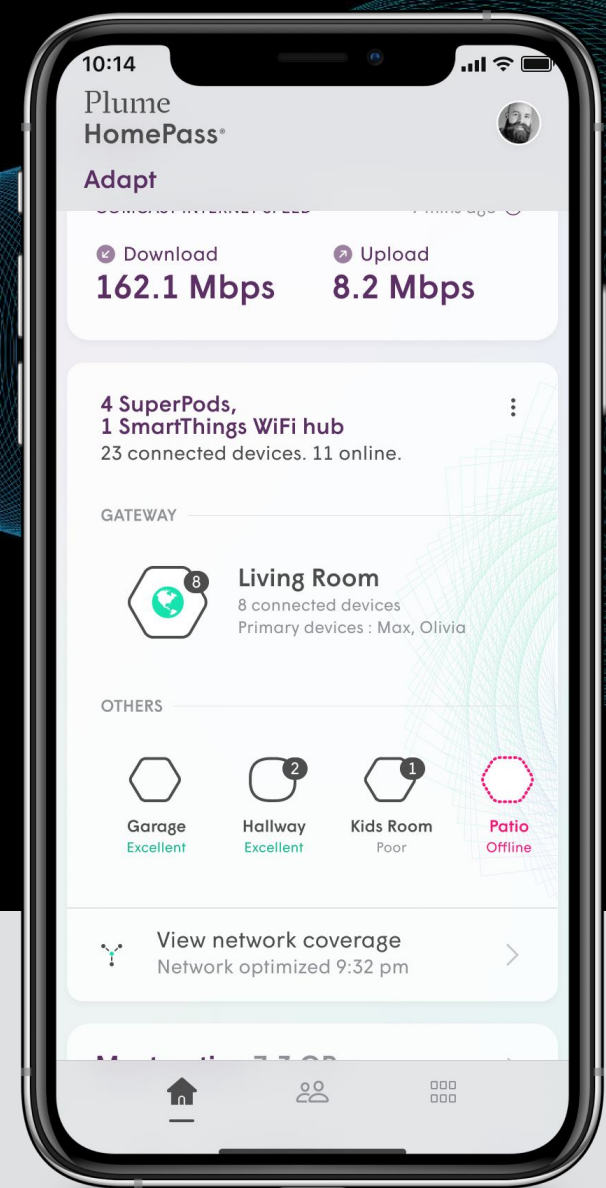Plume®

Adapt

Deliver a superior wireless experience to your customers.

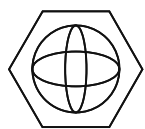### Today's smart homes struggle with yesterday's WiFi

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

Adapt unlocks smart home performance

Plume's Adapt service 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.
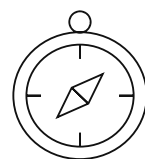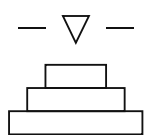
Key features

Continuous topology optimization

Adapt 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.
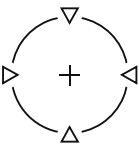
Airtime control

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

Intelligent 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.

Actionable customer and CSP insights

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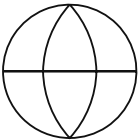
Key benefits

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

Predictive
Adapt is able to predict a home's WiFi needs each day, based on customers' past user behavior and neighboring network interference.
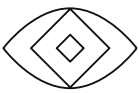
Quality
Adapt's steering algorithms find the fastest initial connections and adjust throughout the day, eliminating "sticky client" connections and extending the maximum range of customer devices.

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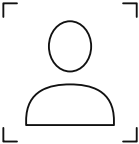
Overall experience
Adapt's cloud base eliminates network instability, inconsistencies, and unpredictable behavior, improving customer experiences through a centrally controlled network.

The Plume advantage

How does the Adapt service distribute WiFi to improve coverage?

PERFORMANCE

MORE POWERFUL HARDWARE

MARGINAL COVERAGE IMPROVEMENT

COVERAGE

FIG. 1. SINGLE WIFI ROUTER HW IMPROVEMENT
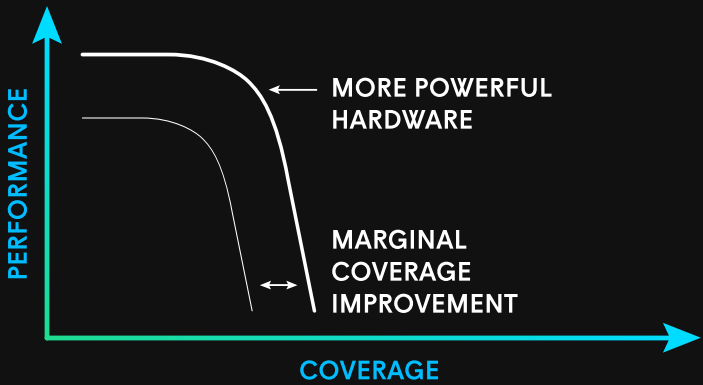
PERFORMANCE

← DISTRIBUTED WIFI COVERAGE
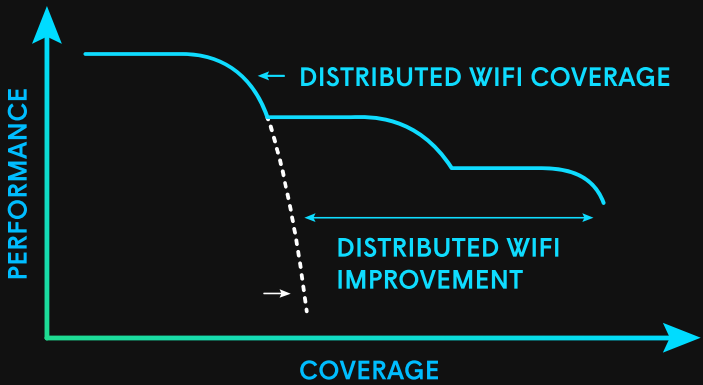
DISTRIBUTED WIFI IMPROVEMENT

COVERAGE

FIG. 2. DISTRIBUTED WIFI SYSTEM IMPROVEMENT

Why partner with Plume?

Plume's solutions help CSPs reduce churn and increase ARPU.*

NPS ▲ 60+

Truck rolls ▼ 67%

Monthly ARPU ▲ $15

ROI ▲ 200%

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

Let's get started

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