altice
labs

Smart
Mesh Wi-Fi
go further

Wi-Fi Enhanced
Everywhere

Altice Labs Smart Mesh Wi-Fi

based on Wi-Fi EasyMesh™
from Wi-Fi Alliance®

The Altice Labs Smart Mesh Wi-Fi is a certified solution that creates a clear and powerful Wi-Fi signal for any and all environments, in interior coverage scenarios.

The solution incorporates the Hardware (Fiber Gateway and Smart Mesh Wi-Fi AP extenders), a Mobile app (Android & iOS) and a Cloud (web-portal) that unifies, configures, manages and reports the Wi-Fi Mesh Ecosystem.

Both Fiber Gateways and Smart Mesh Wi-Fi APs will run a local software (local controller, local agent and a Smart Mesh Wi-Fi management agent) supported on high performance state-of-the-art Wi-Fi interfacing.

Our solution

Hardware   **Web-Cloud**   **Mobile app**

What is Mesh

The Smart Mesh Wi-Fi uses multiple access points (APs), which work together, to ensure that all areas of the house have strong, efficient and wide Wi-Fi coverage.

The EasyMesh™ Wi-Fi is a smart, easy-to-use and self-adapting solution, which enables consistent service and superior quality of user experience.

Features

- **Unified Smart Wi-Fi Network**

- **Reduced client roaming and association failures**

- **Both wireless and wired connections (Ethernet) can be used to establish network backhaul.** *(Fiber Gateway acts as master)*

- **Interoperable mesh solution compliant with Wi-Fi Alliance Multi-AP specification**

- **Patented enhanced steering and traffic load balance**

Wi-Fi **Enhanced**
Everywhere

Smart Mesh Wi-Fi
Ensures optimal coverage
and consistent performance
@ home environment

Who can
benefit from it?

**Network
Operators**

**Engineering
Teams**

**End Costumer
(Home)**

**End Costumer
(Commercial)**

The
Hardware .

High performance HW solution based on the new IEEE 802.11ax standard.

Specifications	D2150G	D2260G
Dual band concurrent 2x2 (2.4GHz) + 4x4 (5GHz)	●	●
Max EIRP 2,4 GHz up to +20dBm	●	●
Max EIRP 5GHz up to +30dBm	●	●
Remote cloud management	●	●
IEEE 802.11a/b/g/n/ac	●	●
IEEE 802.11a/b/g/n/ac/ax		●
IEEE 802.11k/v/r	●	●
WPS/Soft WPS	●	●
IPTV support (QoS, IGMP)	●	●
Remote FW upgrade	●	●
ETH ports	2	2
Easy mesh compliance, MAP spec	●	●

Customer .

Mobile app

Android and IOS app for monitoring and managing the network

User Cloud

Remote cloud for Network configuration, supervision and troubleshooting

Self-Care

Integration with self-care apps (Allows the configuration, troubleshooting & management of Wi-Fi service)

Operator .

Performance & Statistics

Rich dashboarding to explore Wi-Fi indicators (KPI management, Network topology, reports, etc...)
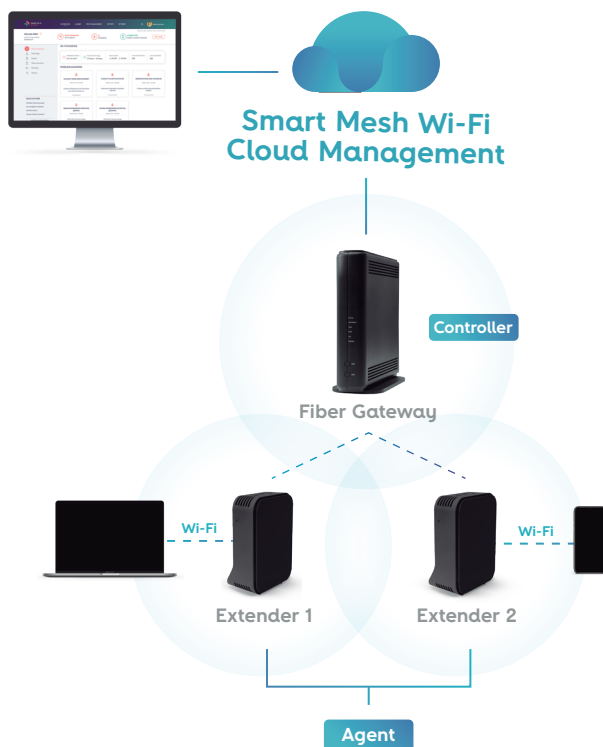
Diagnostics

Real-time monitoring and management of Wi-Fi settings and troubleshooting on the app

Device Management

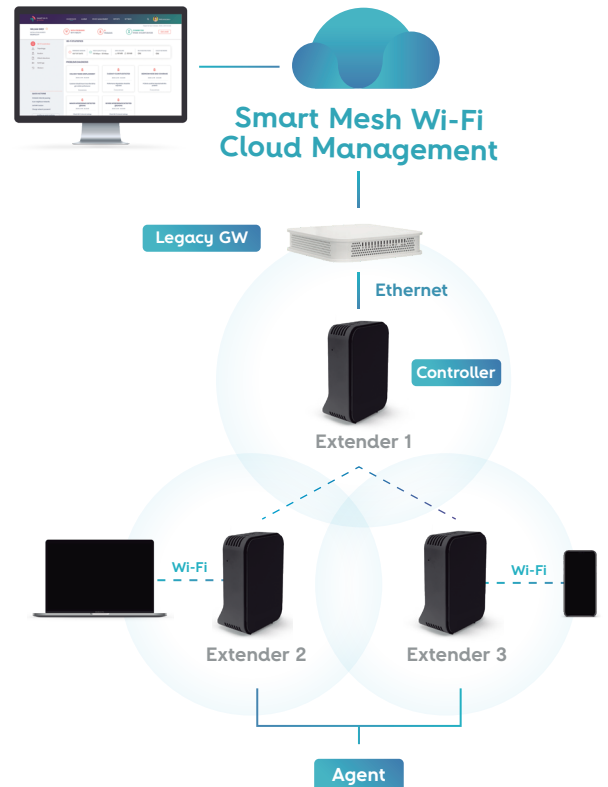Remote Firmware upgrades, inventory, troubleshooting & management of devices and Networks, individually or in bulk

Typical / Standard Scenario

Smart Mesh Wi-Fi Cloud Management

Controller

Fiber Gateway

Wi-Fi | Wi-Fi

Extender 1 | Extender 2

Agent

Standalone Scenario

Smart Mesh Wi-Fi Cloud Management

Legacy GW

Ethernet

Controller

Extender 1

Wi-Fi | Wi-Fi

Extender 2 | Extender 3

Agent

Smart Mesh Wi-Fi
Cloud Management .
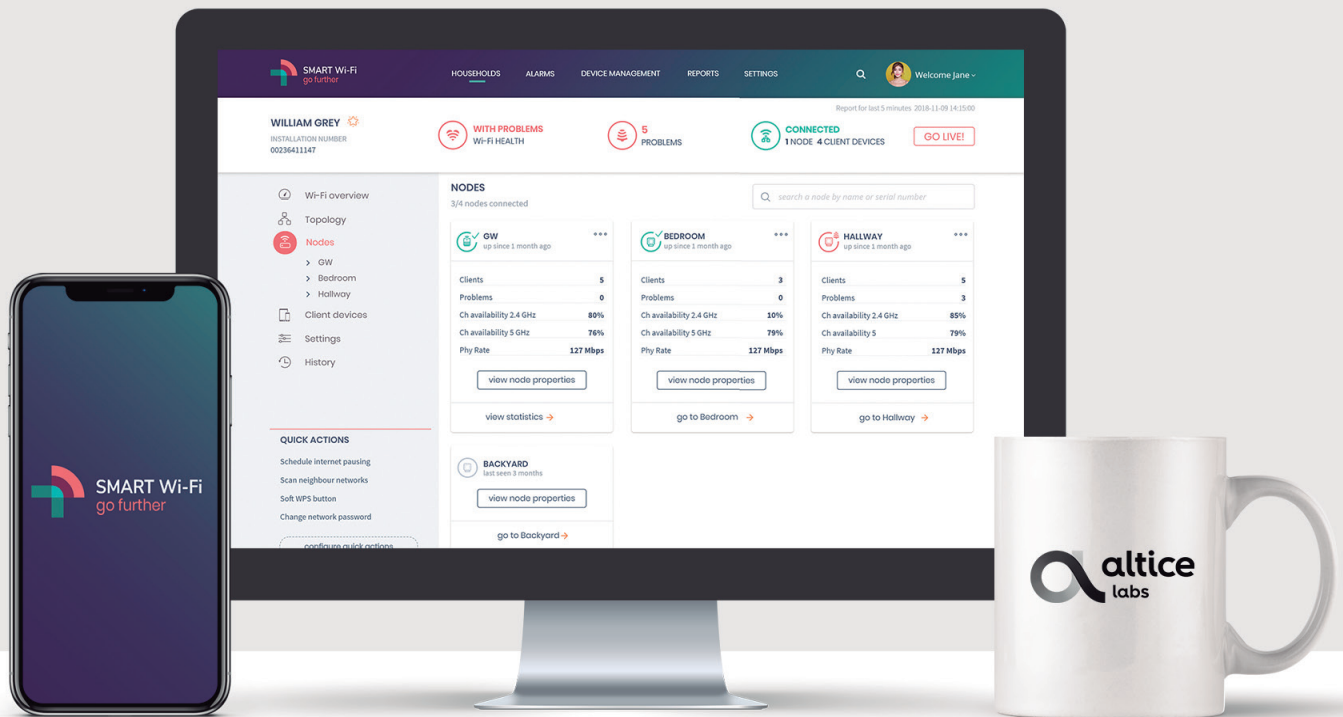
Easy & Smart

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Fast and stable connection in all your house

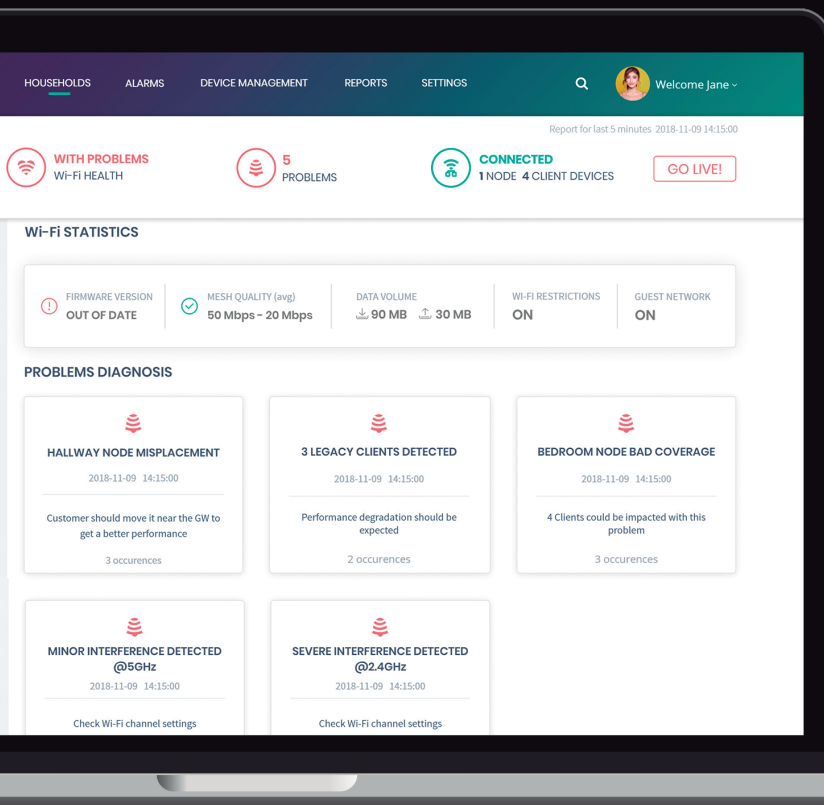Smart Mesh Wi-Fi Management takes care of everything so you can enjoy fast and flawless internet

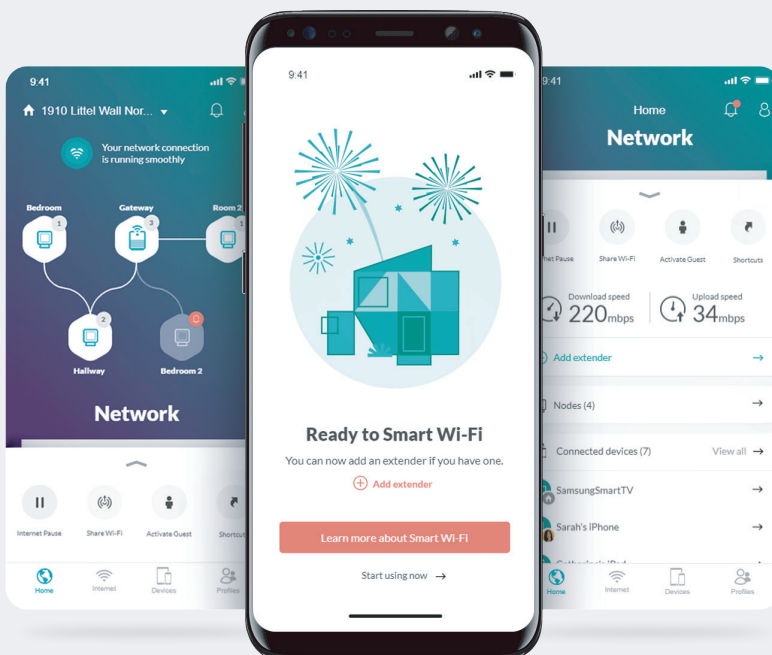**Web Cloud**   **Mobile app**

The Cloud.

Welcome Jane

Report for last 5 minutes 2018-11-09 14:15:00

WITH PROBLEMS
Wi-Fi HEALTH

5 PROBLEMS

CONNECTED
1 NODE 4 CLIENT DEVICES

GO LIVE!

Wi-Fi STATISTICS

FIRMWARE VERSION	MESH QUALITY (avg)	DATA VOLUME	WI-FI RESTRICTIONS	GUEST NETWORK
OUT OF DATE	50 Mbps – 20 Mbps	90 MB 30 MB	ON	ON

PROBLEMS DIAGNOSIS

HALLWAY NODE MISPLACEMENT
2018-11-09 14:15:00
Customer should move it near the GW to get a better performance
3 occurences

3 LEGACY CLIENTS DETECTED
2018-11-09 14:15:00
Performance degradation should be expected
2 occurences

BEDROOM NODE BAD COVERAGE
2018-11-09 14:15:00
4 Clients could be impacted with this problem
3 occurences

MINOR INTERFERENCE DETECTED @5GHz
2018-11-09 14:15:00
Check Wi-Fi channel settings

SEVERE INTERFERENCE DETECTED @2.4GHz
2018-11-09 14:15:00
Check Wi-Fi channel settings

Web Cloud

Remote control of all Network devices

Monitors, diagnoses and optimizes Mesh Wi-Fi

Provide intelligence to Mesh Wi-Fi from analytics

Extensible to provide full visibility for Home Networks & CPEs

Smart Mesh Wi-Fi app.

9:41 1910 Littel Wall Nor...

Your network connection is running smoothly

Bedroom Gateway Room 2

Hallway Bedroom 2

Network

9:41

Ready to Smart Wi-Fi
You can now add an extender if you have one.
+ Add extender
Learn more about Smart Wi-Fi
Start using now →

9:41 Home
Network

Internet Pause Share Wi-Fi Activate Guest Shortcuts

Download speed **220** mbps   Upload speed **34** mbps

Add extender →
Nodes (4) →
Connected devices (7) View all →
SamsungSmartTV
Sarah's iPhone

Home Internet Devices Profiles

Effortlessly control your network & customize your settings

Easy Setup

Wider Network

Network Overview

Full Autonomy

Share Wi-Fi

Guest Network

Device Management

Parental Control

About Altice Labs

Delivering key telecommunications technologies since 1950, Altice Labs has been shaping the future of technology, enabling Communications Service Providers and Enterprises to offer advanced and differentiated services to their customers and users.

Altice Labs is an innovation and transformation catalyst supported on a strong and dynamic Innovation Ecosystem. Through technology, we are committed to improve people's lives and the way in which companies do business.

www.alticelabs.com