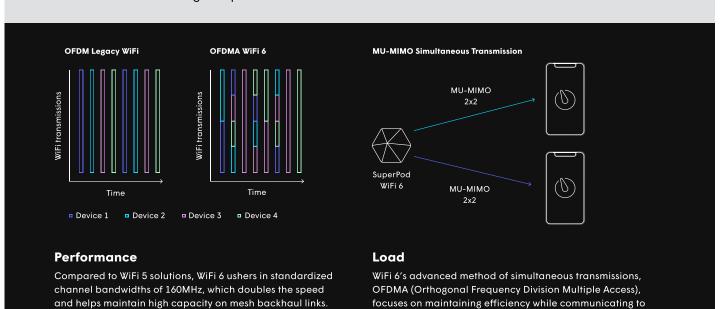




The product

Coupled with the Plume Cloud, Plume SuperPod with WiFi 6 introduces WiFi protocol enhancements that increase the home network's speed and capacity, expanding the longevity of deployments to meet customer demands. Its tri-band design more than doubles spectrum efficiency compared to dual-band solutions and more flexibly adapts to any home topology without compromising performance. Enhancements such as OFDMA, 160MHz channel widths, 1024-QAM, and Target Wake Time (TWT) allow for more devices to efficiently send and receive data at higher speeds in dense environments.



With the inclusion of 1024-QAM and more efficient subcarrier

sizing, the overall capacity increases by almost 180% over

the existing standard.

a large number of devices. Additionally, the use of MU-MIMO

two separate 2x2 MIMO communications with different client

allows for simultaneous transmission to WiFi 5 and WiFi 6 devices by splitting the MIMO streams, such as supporting

devices from a single SuperPod 4x4 radio.



Device connectivity

In addition to OFDMA enabled simultaneous transmissions to multiple devices in the home, WiFi 6 adds Target Wake Time (TWT), an improvement to the APSD mechanism that helps conserve the battery life of network devices. For devices in sleep mode, TWT schedules a wake time and ensures the WiFi channel is clean for the device to check in with the SuperPod to receive any queued data.

Compatibility

WiFi 6 has no special requirements for installation and is compatible with WiFi 5 and previous standard client devices. Therefore, WiFi 5 and WiFi 6 pods can be mixed in the same network, though doing so is not recommended in order to avoid an uneven performance experience.





Specifications

WiFi specification

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Radios	5GHz Lower 4x4 MIMO 802.11 n/ac/ax 5GHz Upper 2x2 MIMO 802.11 n/ac/ax 2.4GHz 2x2 MIMO 802.11 b/g/n/ax
Channels	1-13 2.4GHz 5GHz Lower 36-64 5GHz Upper 100-161
Channel BW	2.4GHz 20/40MHz 5GHz Lower 20/40/80/160MHz 5GHz Upper 20/40/80MHz
DFS Support (region dependent)	5GHz Lower 52-64 5GHz Upper 100-144
Antennas	4 x 5GHz 2 x 2.4GHz & 5GHz shared

Protocols

FIGIOCOIS	
Authentication	WPA2-PSK and WPA3-SAE
Encryption	AES and PSK with KRACK fix
Operating Modes	Router with NAT/Firewall or Bridge
Firewall and Networking	SPI, NAT, and DHCP server IPv4 and IPv6 hybrid support
Prioritization	Queue processing based on traffic flow type
Home SSIDs	Managed 2.4GHz/5GHz Single SSID
Guest Access	Custom password ACL with HomePass Access
Community SSID	Managed 2.4/5GHz Single SSID with GRE tunnel
ACL	MAC, IP, and application control
Certification	FCC, CE, UL, IC, ROHS, PROP 65, REACH, WEEE BT SIG, WFA WiFi Certification

Interfaces and physical attributes

WiFi Radio Configuration	Tri-band operation with: 4x4 5GHz Lower, 2x2 5GHz Upper, & 2x2 2.4GHz
WiFi Capacity	AX6600, Tri-band with 160MHz
Ethernet	1 x 2.5GbE and 1 x GbE
Plug Type	North America, Japan, EU, and UK
Color	Silver, Champagne

Operating conditions

Power Consumption	100-240VAC, 50-60Hz Idle: 6W Average (25% duty cycle): 10W Peak power (75% duty cycle): 18W
Operating Temperature	0 °C to 40 °C
Operating RH	10% to 90% RH non-condensing
Storage Conditions	-20 °C to 70 °C 10 to 90% RH non-condensing

Why partner with Plume?

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









\$15





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



Distribution partner







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