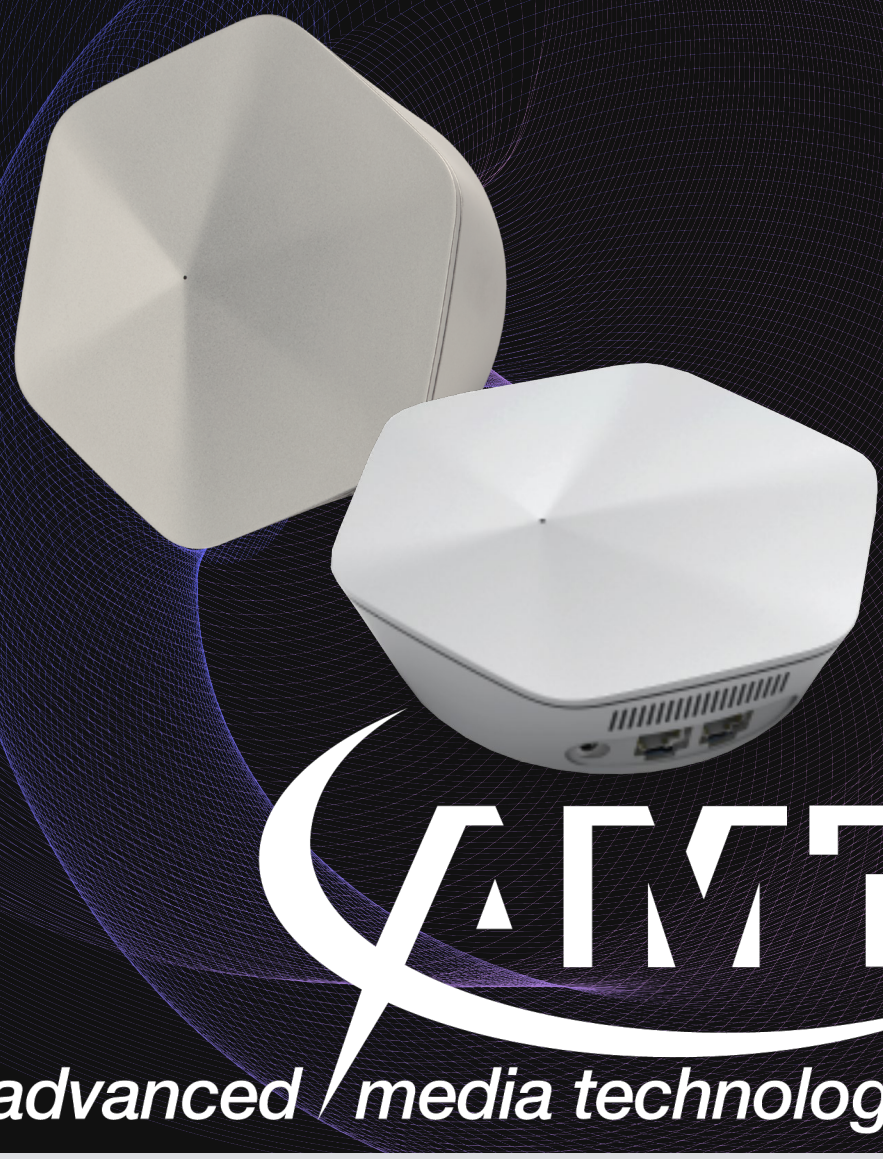
Plume®

SuperPod Aon
with LTE backup & PoE+

More flexibility, connectivity, and uptime for small business customers.



Network outages can hobble small businesses

Network downtime causes $22 billion in losses every year in the U.S. alone.[1] And yet the vast majority of small businesses do not have an internet back-up solution in place, leaving them vulnerable to data loss and business interruption.

[1] U.S. SMB Internet Outage Impact Report, July 15, 2020

Offer fast, reliable WiFi that keeps them running

Help your small business customers stay productive with Plume's SuperPod Aon router. Optional LTE backup ensures seamless connectivity even if outages occur. And the AC-powered, wall-mountable form factor frees businesses from having to place in unsecured or inconvenient areas.

Key features

LTE backup*

4G LTE failover backup provides strong, uninterrupted internet access for your business customers during WiFi outages.

Tri-band radio

SuperPod Aon's tri-band radio configuration more than doubles spectrum efficiency compared to dual-band solutions and adapts to topology without performance loss.

WiFi 6 technology

Coupled with the Plume Cloud, SuperPod Aon offers WiFi 6 for stronger signal and increased capacity.

Speed boosters

Enhancements like OFDMA, 160MHz channel widths, and 1024-QAM boost data speed on more devices in dense environments.

*Also available without LTE backup

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Benefits

Connectivity

The fastest, most compact gateway on the market, SuperPod Aon brings flawless, enterprise-grade connectivity to your business customers even if WiFi outages occur.

Flexibility

SuperPod Aon comes equipped with external AC power and Power over Ethernet (POE+), plus mounting brackets to allow for flexible and secure placement untethered from electrical outlets.

Performance

Augmented by Plume's open-source technology and cloud-enabled platform, SuperPod Aon comes with tri-band WiFi 6 enhancements that increase speed, capacity, and deployment length.

Simplicity

SuperPod Aon lets you offer a sleek, simple alternative to clunky, complicated traditional routers.

Specifications

SuperPod Aon™ with LTE

Architecture	Desktop/wall and ceiling mounted
Interfaces	4x4 802.11ax 2x2 802.11ax 2x2 802.11ax 1x2.5GbE with PoE+ & 1x1000BASE-T
Channel bandwidth	2.4GHz: 20/40MHz 5GHz Upper: 80MHz 5GHz Lower: 80/160MHz
Advanced Technologies	MU-MIMO, Beamforming, OFDMA, 1024 QAM, Tri-band
IoT radios & cellular radios	BLE LTE - Cat 6 (SKUs: NA/EU/JP)
Physical dimensions	Hexagon shape, 138mm width 40mm depth 138.4mmW x 125.7mmD x 40mmH, and weight is 400g
Antennas	Internal 2 - 2.4GHz + 5GHz shared 4 - 5GHz
Power consumption	24W Max
LED	LED ring
Memory	32GB - eMMC 8Gbit RAM

LTE operation

LTE specification	LTE CAT 6
Bandwidth	LTE - A 300 Mbps DL, 50 Mbps UL
LTE - FDD (w. Rx diversity)	B2, B4, B5, B7, B12, B13, B25, B26, B29, B30, B66
LTE - TDD (w. Rx diversity)	B41
WCDMA	B2, B4, B5

Protocols

Authentication	WPA2-PSK (KRACK patched) and WPA3-EAS
Encryption	AES
Firewall and networking	SPI, NAT, DHCP server, client IP reservation, port forwarding, PPPOE and static IP IPv4 and IPv6 hybrid support
Prioritization	TOS, DSCP, WMM Queue processing based on traffic flow type
Home SSIDs	Managed 2.4GHz/5GHz Single SSID
Aux SSIDs	Up to 8 total SSIDs VLAN separation available
Guest access	Custom password AC with HomePass access
ACL	MAC, IP and application control
Certification	FCC, IC, CE, JP, UL/CB, Prop65, ROHS, WEEE WiFi Alliance, BT SIG, Cellular (PTCRB/GCF/CTIA)

WiFi and ethernet interfaces

Channel BW	2.4GHz 20/40MHz 5GHz 20/40/80/160(ax)MHz
Channels	1-13 2.4GHz 36-48, 149-161 5GHz
DFS support	52-64, 100-144 Region dependent
Ethernet	LAN: Single 100/1000M Ethernet WAN: Single 100/1000M-2500M Ethernet with PoE+ Auto-detection of WAN or LAN functionality

Power and environmental

Power supply	External AC adapter: 100-240VAC, 50-60Hz PoE: IEEE 802.3at (PoE+)
Plug type	Type C (EU) Type G (UK) Type A (NA and Japan)
Operating temperature	0C to 40C
Operating RH	10% to 90% RH non-condensing
Storage conditions	-20C to 70C 10 to 90% RH non-condensing