

# AMPLIFI™

Home Wi-Fi Mesh Technology™



# AmpliFi Alien Mesh System

With the latest 802.11ax Wi-Fi 6 technology, AmpliFi Alien delivers 4x the overall network capacity and 2x the coverage while reaching true gigabit speeds. It features a dual-band radio with 2.4 GHz and 5 GHz 802.11ax radios optimized for Wi-Fi 6 performance. The dual 5 GHz radio configuration with a dedicated 5 GHz mesh link offers superior system performance.



## Mechanical

Dimensions	Router/MeshPoint: 110 x 110 x 250 mm (4.33 x 4.33 x 9.84")
Weight	Router: 1.2 kg (2.65 lb) MeshPoint: 1.09 kg (2.4 lb)
Enclosure Material	Router/MeshPoint: Polycarbonate

## Hardware

Processor	Router/MeshPoint: Quad-Core® Cortex® A53 at 2.2 GHz				
Memory Information	Router/MeshPoint: 1 GB				
Management Interface	AmpliFi Wi-Fi App				
Networking Interface	Router: (1) 10/100/1000 Mbps RJ45 Ethernet WAN (4) 10/100/1000 Mbps RJ45 Ethernet LAN MeshPoint: (1) 10/100/1000 Mbps RJ45 Ethernet LAN				
Max. Power Consumption	Router: 35W MeshPoint: 34W				
ESD/EMP Protection	Router/MeshPoint: Air/Contact: ± 24kV				
Power Method	Router/MeshPoint: Universal AC Input: 100-240VAC, 1A Max., 50/60 Hz				
Button	Router/MeshPoint: Factory Reset				
Display	Router: 4.7" Diagonal, 274 x 1268, 279 ppi, G+F Touch, Full Color MeshPoint: No Display				
Antenna	Router/MeshPoint: Internal Dual-Band Metal Stamp with 12 Polarity				
Antenna Gain	<table border="1"><tr><td>2.4 GHz</td><td>3 dBi</td></tr><tr><td>5 GHz</td><td>6 dBi</td></tr></table>	2.4 GHz	3 dBi	5 GHz	6 dBi
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5 GHz	6 dBi				
Max. TX Power	<table border="1"><tr><td>2.4 GHz</td><td>20 dBm</td></tr><tr><td>5 GHz</td><td>36 dBm</td></tr></table>	2.4 GHz	20 dBm	5 GHz	36 dBm
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MIMO	<table border="1"><tr><td>2.4 GHz</td><td>4 x 4</td></tr><tr><td>5 GHz</td><td>8 x 8</td></tr></table>	2.4 GHz	4 x 4	5 GHz	8 x 8
2.4 GHz	4 x 4				
5 GHz	8 x 8				
Speeds	<table border="1"><tr><td>2.4 GHz</td><td>1148 Mbps</td></tr><tr><td>5 GHz</td><td>4800 Mbps</td></tr></table>	2.4 GHz	1148 Mbps	5 GHz	4800 Mbps
2.4 GHz	1148 Mbps				
5 GHz	4800 Mbps				
LEDs	Router/MeshPoint: Green Ring  MeshPoint: Green Status Indicator Flashing: Initial Configuration Lights up in Sequence Bottom to Top: Bootup in Progress Lights Up in Sequence from the Middle Outwards: Wi-Fi Not Ready or Connected Steady: Device is Adopted (Lit based On the Signal Strength Receiving from the Router) Flash Quickly: Locate Lights Up One by One: Firmware Upgrading				
Operating Temperature (Ambient)	Router/MeshPoint: -10 to 45° C (14 to 113° F)				

Operating Humidity	Router/MeshPoint: 5 to 95% Noncondensing
Certifications	Router/MeshPoint: CE, FCC, IC

## Software

Wi-Fi Standards	Up to Wi-Fi 6
Wi-Fi Functions	MU-MIMO, OFDMA, Tx-Beamforming
Power Save	Yes
Wireless Security	WPA2
VLAN	Yes
Advanced QoS	Yes
Guest Traffic Isolation	Yes
Concurrent Clients	Yes

Supported Data Rates	802.11a	54 Mbps
	802.11b	11 Mbps
	802.11g	54 Mbps
	802.11n	600 Mbps + 600 Mbps
	802.11ac	1733 Mbps + 800 Mbps
	802.11ax (Backbone)	4800 Mbps Router-Mesh Connection
	802.11ax (Available to Clients)	4800 Mbps + 1148 Mbps

Operating Frequency*	2.4 GHz	2412 - 2472 MHz
	5 GHz	5150 - 5875 MHz

\*Depends on regulatory region.

