

AMPLIFI™

Home Wi-Fi Mesh Technology™



AmpliFi Alien Router

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 and backwards compatibility with previous Wi-Fi standards.



Mechanical

Dimensions	110 x 110 x 250 mm (4.33 x 4.33 x 9.84")
Weight	1.2 kg (2.65 lb)
Enclosure Material	Polycarbonate

Hardware

Processor	Quad-Core® Cortex® A53 at 2.2 GHz				
Memory Information	1 GB				
Management Interface	AmpliFi Wi-Fi App				
Networking Interface	(1) 10/100/1000 Mbps RJ45 Ethernet WAN (4) 10/100/1000 Mbps RJ45 Ethernet LAN				
Max. Power Consumption	35W				
ESD/EMP Protection	Air/Contact: ± 24kV				
Power Method	Universal AC Input: 100-240VAC, 1A Max., 50/60 Hz				
Button	Factory Reset				
Display	4.7" Diagonal, 274 x 1268, 279 ppi, G+F Touch, Full Color				
Haptics	Yes				
Antenna	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
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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				
LED	Green Ring				
Operating Temperature (Ambient)	-10 to 45° C (14 to 113° F)				
Operating Humidity	5 to 95% Noncondensing				
Certifications	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.

