

AmpliFi Alien Router and MeshPoint

AFi-ALN

Mechanical

Dimensions	Router: 110 x 110 x 250 mm (4.3 x 4.3 x 9.8") MeshPoint: 110 x 110 x 250 mm (4.3 x 4.3 x 9.8")
Weight	Router: 1.2 kg (2.7 lb) MeshPoint: 1.1 kg (2.4 lb)
Enclosure material	Polycarbonate

Hardware

Processor	Quad-Core ARM® Cortex® A53s at 2.2 GHz
Memory	Router/MeshPoint: 1GB DDR3L
Management interface	WiFiEthernet
Networking interface	Router:(1) GbE RJ45 WAN(4) GbE RJ45 LAN MeshPoint:(1) GbE RJ45 LAN
Power method	Router/MeshPoint: Universal AC input, 100–240V AC, 1A Max., 50/60 Hz
Max. power consumption	Router: 35W MeshPoint: 34W
ESD/EMP protection	Air/contact: ± 24kV
Max. TX power US:2.4 GHz5 GHz International:2.4 GHz5 GHz	23 dBm 19 dBm (low band)/ 20 dBm (high band) 23 dBm*20 dBm***Depends from the country selected, up to 30 dBm per chain.**Depends from the country selected, up to 24 dBm per chain.
MIMO US:2.4 GHz5 GHz International:2.4 GHz5 GHz	4 x 44 x 4 (low band) / 8 x 8 (high band) 4 x 48 x 8
Speeds US:2.4 GHz5 GHz International:2.4 GHz5 GHz	1150 Mbps 1700 Mbps(low band) / 4800 Mbps (high band) 1148 Mbps4800 Mbps
Antenna gain 2.4 GHz5 GHz	3 dBi6 dBi
Antenna	Router/MeshPoint: Internal dual-band metal stamp with 12 polarity
Display	Router: 4.7" diagonal, 274 x 1268, 279 ppi, G+F touch, full color MeshPoint: No display

Hardware

LEDs	Router/MeshPoint: Green ring MeshPoint: Green status indicator Flashing: initial conguration Lights up in sequence bottom to top: Bootup in progress Lights up in sequence from the middle outwards: WiFi not ready or connected Steady: Device is adopted (lit based on the signal strength receiving from the router) Flash quickly: Locatel Lights up one by one: Firmware upgrading
Button	Router/MeshPoint: Factory reset
Ambient operating temperature	-10 to 45° C (14 to 113° F)
Ambient operating humidity	5 to 95% honcondensing
Certifications	CE, FCC, IC

Software

WiFi standards	Up to WiFi 6
WiFi functions	MU-MIMO, OFDMA, TX-beamforming
Wireless security	WPA2
VLAN	Yes
Advanced QoS	Yes
Guest traffic isolation	Yes
Power save	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: 4800 Mpbs Router-Mesh connection (Backbone) 802.11ax: 4800 Mbps + 1148 Mbps (Available to clients)
Operating frequency* 2.4 GHz 5 GHz	2412 - 2472 MHz 5150 - 5875 MHz* Depends on regulatory region.

