

Dream Router



Mechanical

Dimensions	Ø110 x 184.13 mm (Ø4.33 x 7.25")
Weight	1.15 kg (2.54 lb)
Enclosure material	Polycarbonate

Hardware

Processor specs	Dual-Core® Cortex® A53 at 1.35 GHz				
System memory	2 GB				
Expansion slot	Micro SD memory card* (optional) <small>*Requires a memory card with at least 128 GB of storage.</small>				
Management interface	Ethernet Bluetooth				
Networking interface	(1) WAN: 1 GbE RJ45 port (4) LAN: 1 GbE RJ45 ports				
PoE interface	(2) PoE				
LCM display	Start-up animation: start-up in progress Firmware update icon: firmware updating				
Button	Factory-reset				
LED	White/blue				
Power method	Universal AC input, 100–240V AC, 1.1A Max., 50/60 Hz				
Power supply	AC/DC, Internal, 50W				
Supported voltage range	100–240V DC				
Max. power consumption (excluding PoE output)	19.37W				
PoE budget	32W				
Max. PoE wattage per port by PSE	15.4W				
Voltage range PoE mode	44–57V DC				
Max. TX power	<table border="1"> <tr> <td>2.4 GHz</td> <td>26 dBm</td> </tr> <tr> <td>5 GHz</td> <td>26 dBm</td> </tr> </table>	2.4 GHz	26 dBm	5 GHz	26 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>4 x 4</td> </tr> </table>	2.4 GHz	4 x 4	5 GHz	4 x 4
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5 GHz	4 x 4				
Throughput rate	<table border="1"> <tr> <td>2.4 GHz</td> <td>600 Mbps</td> </tr> <tr> <td>5 GHz</td> <td>2.4 Gbps</td> </tr> </table>	2.4 GHz	600 Mbps	5 GHz	2.4 Gbps
2.4 GHz	600 Mbps				
5 GHz	2.4 Gbps				
Antenna	(1) Internal, dual-band, quad-polarity antenna				
Antenna gain	<table border="1"> <tr> <td>2.4 GHz</td> <td>3.4 dBi</td> </tr> <tr> <td>5 GHz</td> <td>4.3 dBi</td> </tr> </table>	2.4 GHz	3.4 dBi	5 GHz	4.3 dBi
2.4 GHz	3.4 dBi				
5 GHz	4.3 dBi				
Operating temperature	-10 to 45° C (14 to 113° F)				
Operating humidity	5 to 95% noncondensing				
Certifications	CE, FCC, IC				

Software

WiFi standards	802.11a/b/g WiFi 4/WiFi 5/WiFi 6
Wireless security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
BSSID	8 per radio
VLAN	802.1Q
Advanced QoS	Per-user rate limiting
Guest traffic isolation	Supported
Concurrent clients	300+

Supported Data Rates

802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11n (WiFi 4)	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)

