

Dream Wall



Mechanical

Dimensions	549 x 342 x 62 mm (21.6 x 13.5 x 2.4")
Weight	10 kg (22 lb)
Enclosure material	Polycarbonate, galvanized steel, aluminum alloy
Mount material	Stainless steel

Hardware

Processor specs	Quad-Core ARM® Cortex®-A57 at 1.7 GHz				
System memory	4GB DDR4				
On-board storage	16 GB eMMC Integrated 128 GB SSD				
Expansion slot	Micro SD memory card* (optional) <small>*Requires a memory card with at least 128 GB of storage.</small>				
Management interface	Ethernet Bluetooth WiFi				
Networking interfaces	(1) WAN: 2.5 GbE RJ45 port (17) LAN: 1 GbE RJ45 ports				
SFP+ interfaces	(1) WAN: 10G SFP+ (1) LAN: 10G SFP+				
PoE interfaces	(4) PoE (pair A 1, 2+; 3, 6-) (4) PoE+ (pair A 1, 2+; 3, 6-) (4) PoE++ (pair A 1, 2+; 3, 6-) (pair B 4, 5+; 7, 8-)				
LCM display	(1) 1.3" touchscreen Start-up animation: start-up in progress Firmware update icon: firmware updating				
Button	Factory-reset				
Power method	Universal AC input 100 to 240VAC, 7A Max, 50/60Hz				
Power supply	(2) Hot-Swappable AC/DC 550W PSU				
Max. power consumption	532W				
Max. PoE wattage per port by PSE	PoE: 15.4W PoE+: 30W PoE++: 60W				
Voltage range PoE mode	44 to 57V				
Voltage range PoE+/PoE++ mode	50 to 57V				
Max. TX power	<table border="1"> <tr> <td>2.4 GHz</td> <td>23 dBm</td> </tr> <tr> <td>5 GHz</td> <td>26 dBm</td> </tr> </table>	2.4 GHz	23 dBm	5 GHz	26 dBm
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MIMO	<table border="1"> <tr> <td>2.4 GHz</td> <td>2 x 2</td> </tr> <tr> <td>5 GHz</td> <td>4 x 4</td> </tr> </table>	2.4 GHz	2 x 2	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>300 Mbps</td> </tr> <tr> <td>5 GHz</td> <td>2.4 Gbps</td> </tr> </table>	2.4 GHz	300 Mbps	5 GHz	2.4 Gbps
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Antenna gain	<table border="1"> <tr> <td>2.4 GHz</td> <td>5.9 dBi</td> </tr> <tr> <td>5 GHz</td> <td>6 dBi</td> </tr> </table>	2.4 GHz	5.9 dBi	5 GHz	6 dBi
2.4 GHz	5.9 dBi				
5 GHz	6 dBi				
Mounting	Wall mount (included)				

ESD/EMP protection	Air: ± 8 kV, contact: ± 4 kV
Operating temperature	-10 to 40° C (14 to 104° F)
Operating humidity	5 - 95% noncondensing
Certifications	CE, FCC, IC

Software

WiFi standards	802.11a/b/g/n/ac/ax 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+

LEDs

Ethernet	White: link/activity
SFP+	White: link/activity
PSU	Blue: ready Amber: failure

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 300 Mbps (MCS0 - MCS15, 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)