



# L6Lite

Wi-Fi 6 AX1800 Dual-Band Ceiling  
Mount Access Point



## DATASHEET

Overview	
<b>Dimensions</b>	Ø175mm x 39mm (Ø6.89 in. x 1.54 in.) (excluding the mounting bracket)
<b>Weight</b>	≤ 0.4 kg (0.88 lbs) (without packaging materials) ≤ 0.6 kg (1.32 lbs) (with packaging materials)
<b>Wi-Fi Standards</b>	IEEE 802.11 a/b/g/n/ac/ax
<b>Spatial Streams</b>	4
<b>Coverage Area</b>	125 m <sup>2</sup> (1345.49 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
<b>Max. Client Count</b>	64 (2.4 GHz) 256 (5 GHz) 256 (2.4 GHz and 5 GHz enabled)
<b>Recommended number of associated wireless clients</b>	<ul style="list-style-type: none"> <li>• Support for IEEE 802.11ax and 160 MHz: 16 (2.4 GHz) 94 (5 GHz) 110 (2.4 GHz and 5 GHz enabled)</li> <li>• Support for IEEE 802.11ax and 80 MHz: 16 (2.4 GHz) 84 (5 GHz) 100 (2.4 GHz and 5 GHz enabled)</li> <li>• Support for IEEE 802.11ac: 16 (2.4 GHz) 64 (5 GHz) 80 (2.4 GHz and 5 GHz enabled)</li> </ul>
<b>Mounting</b>	Ceiling Mount, Wall-mounted (Mounts Included)
Hardware	
<b>Networking Interface</b>	1 x 1 GE RJ45 port
<b>Wi-Fi Protocols</b>	2.4 GHz: IEEE 802.11 b/g/n/ax 5 GHz: IEEE 802.11 a/n/ac/ax
<b>MIMO</b>	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
<b>Channel bandwidth</b>	2.4 GHz: 20/40 MHz 5 GHz: 20/40/80/160 MHz
<b>Throughput rate</b>	2.4 GHz: 573 Mbps 5 GHz: 1201 Mbps
<b>Antenna Gain</b>	2.4 GHz: 3.13 dBi 5 GHz: 4.58 dBi
<b>Max. Transmit Power</b>	2.4 GHz: 25.7 dBm 5 GHz: 24 dBm



<b>Power Consumption</b>	≤ 12.95 W	
<b>Power Method</b>	PoE DC (12 V, 1.5A), DC Power Adapter Is Not Included	
<b>Modulation</b>	OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, and 64-QAM @ 48/54 Mbps DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, and 1024-QAM OFDMA	
<b>Receiver Sensitivity</b>	11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11)	
<b>LED</b>	1 x system status LED	
<b>Button</b>	1 x Factory reset	
<b>Environment</b>	Operating Temperature: 0°C to 40°C (32°F to 104°F) Storage Temperature: -40°C to +70°C (-40°F to +158°F) Operating Humidity: 5% RH to 95% RH (non-condensing) Storage Humidity: 5% RH to 95% RH (non-condensing)	
<b>Weather Resistance</b>	IP Rating: IP41 Lightning Protection/Surge Protection: ±2 kV	
<b>Software</b>		
<b>Working Mode</b>	Router Mode	YES
	AP Mode	YES
<b>WLAN</b>	Max. Number of SSIDs	8 per radio
	Band Steering	YES
	Wireless Meshing	YES
	Wi-Fi Multimedia (WMM)	YES
	802.1Q VLAN	YES
	Multi-Link Operation (MLO)	NO
	4K-QAM	NO
	RF Beamforming	YES
WiFi Speed Limiting	YES	



	Client Device Isolation	YES
	Wi-Fi Schedules	YES
<b>Roaming</b>	802.11v	YES
	802.11k	YES
	802.11r	YES
	Layer2 roaming	YES
	Layer3 roaming	YES
<b>Security</b>	PSK Authentication	YES
	WPA (TKIP), WPA2 (AES), and WPA-PSK	YES
	OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	YES
	802.1X	YES
	Ping	YES
	Traceroute	YES
<b>Routing</b>	NAT	YES
	Static IP address	YES
	DHCP Server	YES
	PPPoE Client	YES
	PPPoE Dial-up	YES
<b>AP Mesh</b>	Mesh Management	YES
<b>Standalone Portal</b>	Captive Portal	YES
	Bandwidth Limiting	YES
	Data Quota	No
<b>Management and Maintenance</b>	Number of APs on a Self-Organizing Network	300
	Unified Networking for All Network Equipment	YES
	Local or Remote Management through Lysora App	YES
	Local Management through the Web Interface	YES
	Remote Management through Lysora Cloud	YES
	SNMP	YES
<b>Platform Management</b>	Optimization of Channel, Transmit Power, and Management Frame Power Settings. Both Pre- and Pro-Optimization Settings are Displayed.	YES



<b>Features</b>	Unified Configuration or Monitoring through Lysora Cloud	YES
<b>Compliance and Standard</b>		
<b>NDAA Complain</b>	Yes	
<b>Health</b>	UL 62368-1:2019	
<b>RF</b>	FCC 47 CFR Part 2 Subpart J FCC 47 CFR Part 15 Subpart E IC RSS-247 Issue 3	
<b>EMC</b>	FCC 47 CFR Part 15 Subpart B ICES-003 Issue 7	
<b>Certifications</b>	FCC, IC, cTUVus	
<b>Operating Frequency</b>	US/CA: 2400 - 2472 MHz U-NII-1: 5150 - 5250 MHz U-NII-2A: 5250 - 5350 MHz U-NII-2C: 5470 - 5725 MHz U-NII-3: 5725 - 5850 MHz U-NII-5 to U-NII-8 : 5925 - 7125 MHz  Worldwide: 2400 - 2483.5 MHz 5150 - 5725 MHz 5925 - 7125 MHz	



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