



L6Pro-T

Wi-Fi 6 AX3000 Dual-Band Outdoor
Access Point



Overview

Dimensions	Ø230 mm x 195 mm (Ø9.06 in. x 7.68 in.) (spherical device, excluding the mounting bracket)
Weight	≤ 1.4 kg (3.09 lbs.) (without packaging materials) ≤ 4.62 kg (10.19 lbs.) (with packaging materials)
Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
Spatial Streams	4
Coverage Range	5 GHz max: 400 m (1312.34 ft.) 2.4 GHz max: 150 m (492.13 ft.) 5 GHz recommended: 200 m (656.17 ft.) 2.4 GHz recommended: 50 m (164.04 ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
Max.Client Count	64 (2.4 GHz) 512 (5 GHz) 512 (2.4 GHz and 5 GHz enabled)
Recommended number of associated wireless clients	•Support for IEEE 802.11ax and 160 MHz: 16 (2.4 GHz) 94 (5 GHz) 110 (2.4 GHz and 5 GHz enabled) •Support for IEEE 802.11ax and 80 MHz: 16 (2.4 GHz) 64 (5 GHz) 80 (2.4 GHz and 5 GHz enabled) •Support for IEEE 802.11ac: 8 (2.4 GHz) 32 (5 GHz) 40 (2.4 GHz and 5 GHz enabled)
Mounting Type	Wall, Pole (Mounts Included)
Hardware	
Networking Interface	1 x 10/100/1000BASE-T port

Overview

	1 x 1 GE SFP port
Wi-Fi Protocols	2.4 GHz: IEEE 802.11 b/g/n/ax 5 GHz: IEEE 802.11 a/n/ac/ax
MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
Channel bandwidth	2.4 GHz: 20/40 MHz 5 GHz: 20/40/80/160 MHz
Wireless Data Rate	2.4 GHz: 573 Mbps 5 GHz: 2401 Mbps
Antenna Gain	2.4 GHz: 3.00 dBi 5 GHz: 4.00 dBi
Max. Transmit Power	For United States (Conducted Output Power) 2.4 GHz: 22.82 dBm 5 GHz: 20.41 dBm For Canada (Conducted Output Power) 2.4 GHz: 22.82 dBm 5 GHz: 20.41 dBm For India WPC Certification(Conducted Output Power) 2.4 GHz: 22.82 dBm 5 GHz: 20.41 dBm For India TEC Certification(Conducted Output Power) 2.4 GHz: 20.86 dBm 5 GHz: 19.74 dBm
Power Consumption	≤ 24 W
Power Method	● IEEE 802.3af (PoE) Note: Radio transmission and reception is limited to 2T2R at 2.4 GHz and 5 GHz, and the wireless rate at 5 GHz is 60% of the original rate. ● IEEE 802.3at (PoE+)
Modulation	OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, 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



Overview

	OFDMA	
Receiver Sensitivity	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) 11ac: 160 MHz: -76 dBm (MCS0), -50 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) 11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11)	
LED	1 x System Status LED	
Button	1 x Reset button	
Environment	Operating Temperature: -30°C to +65°C (-22°F to +149°F) Storage Temperature: -40°C to +85°C (-40°F to +185°F) Operating Humidity: 5% RH to 95% RH (Non-condensing) Storage Humidity: 5% RH to 95% RH (Non-condensing)	
Weather Resistance	IP Rating: IP68 Lightning Protection/Surge Protection: ±4 kV	
Software		
Working Mode	Router Mode	Yes
	AP Mode	Yes
WLAN	Max. Number of SSIDs	8
	Band Steering	Yes
	Wireless Meshing	Yes
	Wi-Fi Multimedia (WMM)	Yes
	802.1Q VLAN	Yes

Overview

	Multi-Link Operation (MLO)	No
	4K-QAM	No
	RF Beamforming	Yes
	Wi-Fi Speed Limiting	Yes
	Client Device Isolation	Yes
	Wi-Fi Schedules	Yes
Roaming	802.11v	Yes
	802.11k	Yes
	802.11r	Yes
	Layer 2 roaming	Yes
	Layer 3 roaming	Yes
Security	PSK Authentication	Yes
	WPA (TKIP), WPA2 (AES), and WPA-PSK	Yes
	OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	Yes
	802.1X Authentication	Yes
IP Service	Ping	Yes
	Traceroute	Yes
Routing	NAT	Yes
	Static IP address	Yes
	DHCP Server	Yes
	PPPoE Client PPPoE Dial-up	Yes
AP Mesh	Mesh Management	Yes

Overview

Standalone Portal	Captive Portal	Yes
	Bandwidth Limiting	Yes
	Data Quota	No
Management and Maintenance	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
Platform Management Features	AI Optimization	Yes
	Unified Configuration or Monitoring through Lysora Cloud	Yes

Compliance and Standard

NDAA Complain	Yes
Safety	For United States and Canada: UL 62368-1:2019 R10.21 CSA C22.2 No. 62368-1: 2019 For India TEC Certification: IS 13252 (Part 1): 2010+A1: 2013+A2: 2015
EMC	For Canada: ICES-003 Issue 7 For United States: FCC 47 CFR Part 15 Subpart B For India TEC Certification: TEC/SD/DD/EMC-221/05/OCT-16, IEC 61000-4-5:2014+AMD1:2017, IEC 61000-4-6:2023, IEC 61000-4-4:2012, IEC 61000-4-2:2008,



Overview

	CISPR 32:2015+AMD1:2019, IEC 61000-4-3:2020, IEC 61000-4-29:2000, IEC 61000-4-11:2020
RF	For Canada: RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021) RSS-247 Issue 4 RSS-102 Issue 6, December 2023 For United States: FCC 47 CFR Part 15 Subpart C FCC 47 CFR Part 15 Subpart E FCC 47 CFR Part 2.1091 For India WPC Certification: FCC 47 CFR Part 15 Subpart C FCC 47 CFR Part 15 Subpart E FCC 47 CFR Part 2.1091 For India TEC Certification: ETSI EN 300 328 V2.2.2 (2019-07) ETSI EN 301 893 V2.1.1 (2017-05) ETSI EN 302 502 V2.1.1 (2017-03) (There is no need to test TPC and DFS. It is only applicable for the TEC certification in India.)
Functional (Only for India TEC Certification)	IEEE 802.3 Annex-H (Only for India TEC Certification) RFC 2460 or RFC 8200, Annex-P7 (Only for India TEC Certification)
Certification	FCC, ISSED, cTUVus, TEC, WPC
Operating Frequency	For United States 2400-2483.5MHz 5150-5250MHz 5250-5350MHz 5470-5725MHz 5725-5850MHz For Canada 2400-2483.5MHz



Overview

5150-5250MHz (Indoor use only)

5250-5350MHz (Indoor use only)

5470-5600MHz

5650-5725MHz

5725-5850MHz

For India

2400-2483.5MHz

5150-5250MHz

5250-5350MHz

5470-5725MHz

5725-5850MHz



Lysoi^{ra}



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