



L7-W

**Wi-Fi 7 BE3600 Dual-Band  
Wall-mounted Access Point**



Overview	
<b>Dimensions</b>	86 mm x 24 mm x 124 mm (3.39 in. x 0.94 in. x 4.88 in.)
<b>Weight</b>	≤ 0.27 kg (0.60 lbs.) (without packaging materials)
<b>Wi-Fi Standards</b>	IEEE 802.11 a/b/g/n/ac/ax/be
<b>Spatial Streams</b>	4
<b>Coverage Range</b>	55 m <sup>2</sup> (592.02 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) 511 (5 GHz) 511 (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) 64 (5 GHz) 80 (2.4 GHz and 5 GHz enabled)</li> <li>● Support for IEEE 802.11ac: 8 (2.4 GHz) 32 (5 GHz) 40 (2.4 GHz and 5 GHz enabled)</li> </ul>
<b>Mounting</b>	Wall (Mounts Included)
Hardware	
<b>Networking Interface</b>	4 x 10/100/1000BASE-T LAN port ( 1 x AF PoE-Out Port ) + 1 x 10/100/1000/2500BASE-T WAN port
<b>Wi-Fi Protocols</b>	2.4 GHz: IEEE 802.11 b/g/n/ax/be 5 GHz: IEEE 802.11 a/n/ac/ax/be
<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>Wireless Data Rate</b>	2.4 GHz: 688 Mbps 5 GHz: 2882 Mbps
<b>Antenna Gain</b>	2.4 GHz: 2.84 dBi 5 GHz: 4.56 dBi
<b>Max. Transmit Power</b>	2.4 GHz: 20 dBm 5 GHz: 21.7 dBm
<b>Power Consumption</b>	≤ 15 W (excluding PoE output)



Overview		
<b>Power Method</b>	PoE+	
<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, 1024-QAM, and 4096-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) 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) 11be: 20 MHz: -85 dBm (MCS0), -52 dBm (MCS13) 11be: 40 MHz: -82 dBm (MCS0), -49 dBm (MCS13) 11be: 80 MHz: -82 dBm (MCS0), -46 dBm (MCS13) 11be: 160 MHz: -79 dBm (MCS0), -44 dBm (MCS13)	
<b>LED</b>	1 x System Status LED	
<b>Button</b>	1 x Reset button	
<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	
Software		
<b>Working Mode</b>	Router Mode	Yes
	AP Mode	Yes
<b>WLAN</b>	Max. Number of SSIDs	8
	Band Steering	Yes
	Wireless Meshing	Yes
	Wi-Fi Multimedia (WMM)	Yes
	802.1Q VLAN	Yes
	Multi-Link Operation (MLO)	Yes



Overview		
	4K-QAM	Yes
	RF Beamforming	Yes
	Wi-Fi Speed Limiting	Yes
	Client Device Isolation	Yes
	Wi-Fi Schedules	Yes
<b>Roaming</b>	802.11v	Yes
	802.11k	Yes
	802.11r	Yes
	Layer 2 roaming	Yes
	Layer 3 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 Authentication	Yes
	Ping	Yes
	Traceroute	Yes
<b>Routing</b>	NAT	Yes
	Static IP address	Yes
	DHCP Server	Yes
	PPPoE Client 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



Overview		
	SNMP	Yes
<b>Platform Management Features</b>	AI Optimization	Yes
	Unified Configuration or Monitoring through Lysora Cloud	Yes
Compliance and Standard		
<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	



The logo for Lysora, featuring the word "Lysora" in a bold, sans-serif font. The letter "i" is stylized with a red square above it and a green horizontal bar extending to the right. The letter "a" is also stylized with a green horizontal bar extending to the right.

