



Product Overview

The Lysoira wireless AP portfolio is designed to meet the growing networking needs of small and medium-sized businesses, helping them build high-performance wireless networks cost-effectively. Whether for office terminals, smartphones, laptops, IoT devices, or guest access, Lysoira APs provide stable wireless coverage, reliable connectivity, and flexible scalability for daily business operations.

To address commercial indoor scenarios of different scales, Lysoira offers a range of Wi-Fi 6 and Wi-Fi 7 indoor access points that support different concurrent client requirements. The portfolio is suitable for offices, hotels, retail stores, warehouses, small campuses, and growing enterprise networks. The products support intelligent cloud-based management, simple configuration, and fast deployment, while integrating multiple enterprise-class features by default. This helps administrators reduce on-site maintenance workload and respond quickly to network changes.

Wi-Fi has become a critical infrastructure for modern business operations. From hardware installation and remote device management to enterprise-class software features, Lysoira APs are designed for rapid deployment, stable operation, and simplified maintenance, helping enterprises build high-performance wireless networks that can evolve with their business needs.

Features

- Wi-Fi 6 / Wi-Fi 7 Portfolio Coverage
- Compact Design, Flexible Installation
- AI Optimization for Better Wi-Fi Experience
- AI Roaming for Smoother AP Handover
- AI Heatmap for Visual Coverage Planning
- One-Click Mesh for Easier Expansion
- Free Cloud Management for Easier Remote Operations
- One-Click Guest Wi-Fi / IoT Wi-Fi Creation
- Wireless Client Identification for Clearer Network Visibility
- SON for More Efficient Batch Deployment
- One-Click Portal for Professional Guest Access
- 2.5G / 10G Uplinks to Unlock Wi-Fi 7 Performance
- Tri-Band Wi-Fi 7 for High-Density, High-Performance Scenarios

Model	Wi-Fi Protocol	MIMO	Ports	PoE In standard
L6Lite	AX1800	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO	1 x 10/100/1000BASE-T ports	PoE+/PoE
L6	AX3000	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO	1 x 10/100/1000BASE-T port	PoE+/PoE
L7Lite	BE3600	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO	1 x 10/100/1000/2500BASE-T ports	PoE+/PoE
L7-W	BE3600	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO	4 x 10/100/1000BASE-T LAN ports (1 x 802.3af PoE Out port) , 1 x 10/100/1000/2500BASE-T WAN port	PoE+/PoE
L7	BE5040	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 3 x 3 MU-MIMO	1 x 10/100/1000/2500BASE-T port 1 x 10/100/1000BASE-T port	PoE+/PoE
L7Pro	BE14000	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 3 x 3 MU-MIMO 6 GHz: 3 x 3 MU-MIMO	1 x 10/100/1000/2500BASE-T port 1 x 10GE SFP+ port	PoE+/PoE

DATASHEET

L6Lite • L6 • L7Lite • L7-W • L7 • L7Pro

Lyso^{ra}

Wi-Fi 6 / Wi-Fi 7 Portfolio Coverage

The Lysora AP series includes five models: L6Lite, L6, L7Lite, L7-W, L7, and L7Pro, covering multiple performance levels from AX1800 and AX3000 to BE3600, BE5040, and BE14000. Whether for small offices, hotel rooms, retail stores, high-density office areas, meeting rooms, or Wi-Fi 7 upgrade projects, customers can choose the right model based on bandwidth, client capacity, and budget.



L6Lite
AX1800



L6
AX3000



L7Lite
BE3600



L7-W
BE3600



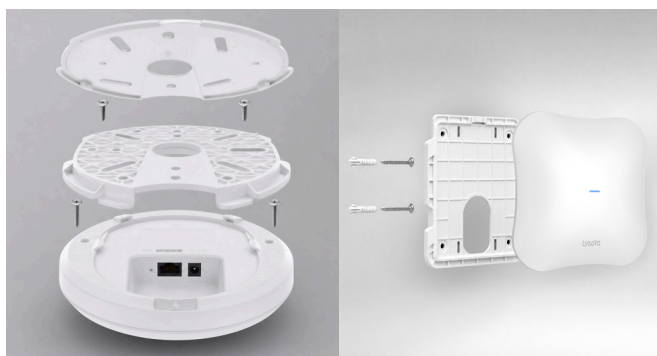
L7
BE5040



L7Pro
BE14000

Compact Design, Flexible Installation

The series features a clean ceiling-mount design and supports both ceiling and wall installation, allowing the APs to blend naturally into offices, hotels, retail stores, meeting rooms, and corridors. Lite models are ideal for cost-effective mass deployment, while Pro models are designed for higher-performance and higher-density scenarios.

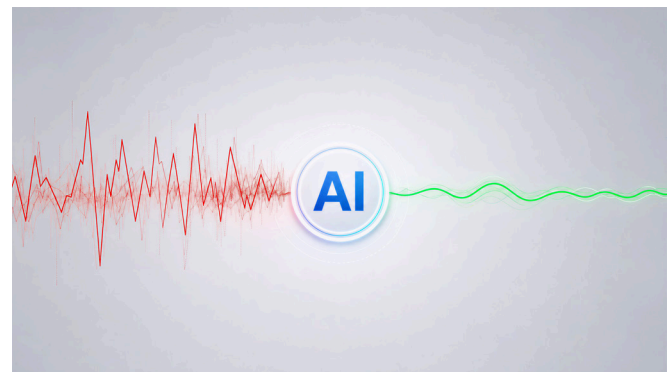


Ceiling-mount

Wall-mount

AI Optimization for Better Wi-Fi Experience

AI Optimization helps automatically optimize channels, transmit power, and management frame power settings, while displaying both pre- and post-optimization configurations. Administrators can reduce manual tuning work and improve wireless interference, weak coverage, and channel conflict issues more efficiently.



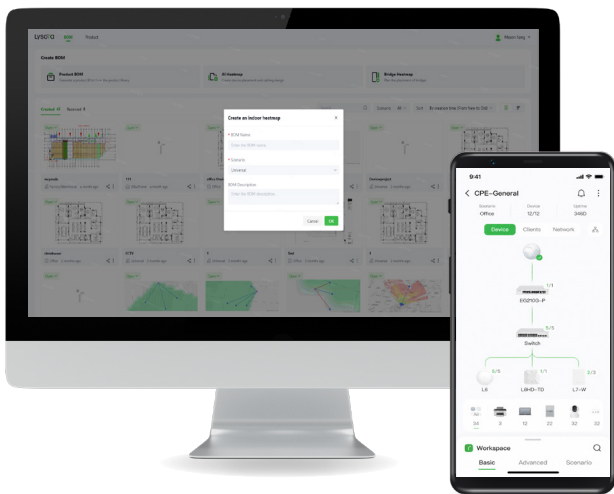
AI Roaming for Smoother AP Handover

Designed for multi-AP environments such as hotels, office buildings, villas, and retail stores, Lysora AI Roaming works with 802.11k/v/r, Layer 2 roaming, and Layer 3 roaming to dynamically optimize roaming behavior based on client type, signal quality, AP load, and wireless conditions. This helps reduce sticky clients, frequent roaming, and mobile disconnection issues.



AI Heatmap for Visual Coverage Planning

With heatmap tools in the cloud platform and mobile app, administrators and integrators can visually evaluate AP coverage for network planning, installation guidance, and acceptance testing. Compared with experience-based placement, Heatmap helps reduce coverage blind spots, lower rework risk, and improve project professionalism.



Free Cloud Management for Easier Remote Operations

Lysora Cloud, Lysora App, local Web management, and SNMP are supported. Administrators can remotely view AP status, wireless configurations, client connections, and project health. For multi-store, multi-office, and unattended deployments, free cloud management helps reduce on-site maintenance and long-term operation costs.



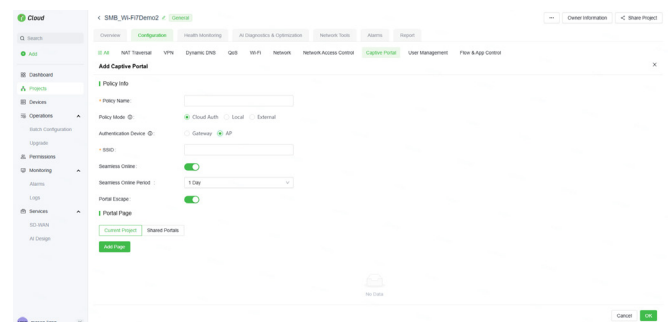
One-Click Mesh for Easier Expansion

The series supports Wireless Meshing and Mesh Management, enabling fast coverage expansion in areas where cabling is difficult, temporary expansion is needed, or wireless blind spots must be filled. APs can join the Mesh network through unified configuration, reducing cabling costs and simplifying deployment.



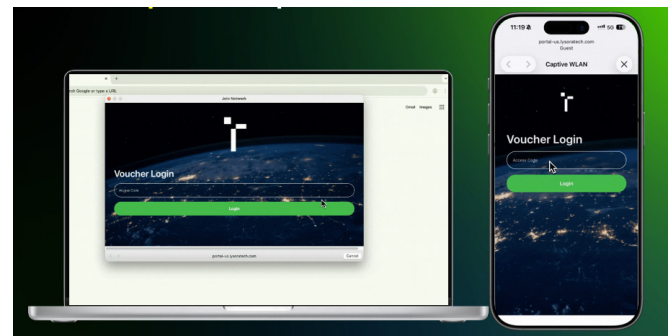
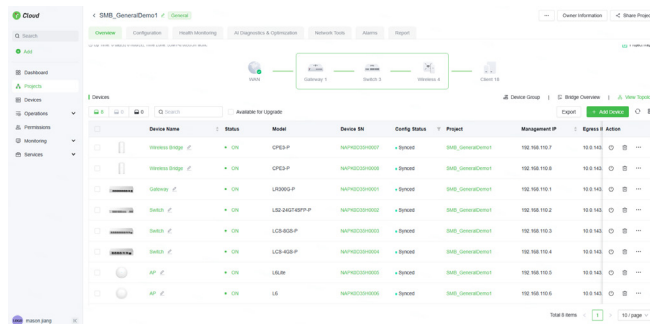
One-Click Guest Wi-Fi / IoT Wi-Fi Creation

Each AP supports up to 8 SSIDs, making it easy to create separate wireless networks for employees, guests, IoT devices, surveillance, or business services. Combined with 802.1Q VLAN, client isolation, Wi-Fi rate limiting, and Wi-Fi schedules, different types of traffic can be logically isolated and managed more precisely.



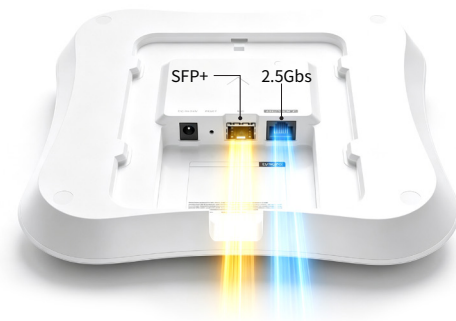
Wireless Client Identification for Clearer Network Visibility

The cloud platform centrally displays wireless client connection status, helping administrators understand the online status, connected AP, and network usage of PCs, phones, tablets, IPCs, NVRs, and IoT devices. In multi-AP projects, this helps identify abnormal clients, weak-signal connections, and potential fault points more quickly.



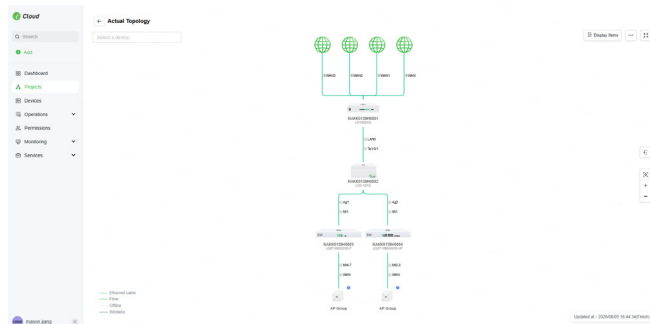
2.5G / 10G Uplinks to Unlock Wi-Fi 7 Performance

L7Lite and L7 provide 2.5GbE uplinks, while L7Pro further provides 2.5GbE plus 10G SFP+ interfaces, reducing high-speed wireless backhaul bottlenecks. For video conferencing, high-density offices, large file transfers, and high-concurrency wireless access, high-speed uplinks help unlock the performance of BE-series APs.



SON for More Efficient Batch Deployment

The series supports Self-Organizing Network with up to 300 APs. Devices can be automatically discovered, onboarded, centrally configured, and displayed in a topology view, helping projects move from single-device configuration to full-network deployment.



Tri-Band Wi-Fi 7 for High-Density, High-Performance Scenarios

L7Pro supports tri-band Wi-Fi 7 across 2.4 GHz, 5 GHz, and 6 GHz, with up to 320 MHz channel bandwidth on 6 GHz, BE14000-class wireless performance, and 8 spatial streams. It is ideal for high-density meeting rooms, open offices, training classrooms, and professional wireless scenarios that require low latency and high throughput.

One-Click Portal for Professional Guest Access

Captive Portal and bandwidth limiting are supported, allowing customers to quickly build guest authentication networks for hotels, restaurants, retail stores, schools, and office visitors. Without complex external systems, businesses can provide more standardized guest access while controlling guest bandwidth usage.



Specifications

Hardware	
Dimensions	Ø175 mm x 39 mm (Ø6.89 in. x 1.54 in.) (excluding the mounting bracket)
Weight	≤ 0.4 kg (0.88 lbs) (without packaging materials) ≤ 0.6 kg (1.32 lbs) (with packaging materials)
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac/ax
Spatial Streams	4
Coverage Area	125 m ² (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.
Maximum Number of Clients	64 (2.4 GHz) 256 (5 GHz) 256 (2.4 GHz and 5 GHz)
Recommended Number of Associated Wireless Clients	Support for IEEE 802.11ax and 160 MHz: · 16 (2.4 GHz) · 84 (5 GHz) · 100 (2.4 GHz and 5 GHz) Support for IEEE 802.11ax and 80 MHz: · 16 (2.4 GHz) · 84 (5 GHz) · 100 (2.4 GHz and 5 GHz) Support for IEEE 802.11ac: · 16 (2.4 GHz) · 64 (5 GHz) · 80 (2.4 GHz and 5 GHz)
Mounting Options	Ceiling/Wall
Networking Interface	1 x 10/100/1000BASE-T port
Wi-Fi Protocols	2.4 GHz: IEEE 802.11b/g/n/ax 5 GHz: IEEE 802.11a/n/ac/ax
MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
Channel Width	2.4 GHz: 20/40 MHz 5 GHz: 20/40/80 MHz
Wireless Data Rate	2.4 GHz: 573 Mbps 5 GHz: 1201 Mbps
Antenna Gain	2.4 GHz: 3.13 dBi 5 GHz: 5.18 dBi
Max. Transmit Power	2400–2483.5 MHz: EIRP ≤ 36 dBm 5150–5250 MHz: EIRP ≤ 36 dBm 5250–5350 MHz: EIRP ≤ 30 dBm 5470–5725 MHz: EIRP ≤ 30 dBm 5725–5850 MHz: EIRP ≤ 36 dBm
Power Consumption	≤ 12.95 W
Power Input	PoE DC (12 V, 1.5 A), DC power adapter not included



Specifications

Modulation	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	
Receive Sensitivity	802.11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 802.11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 802.11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 802.11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 802.11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 802.11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 802.11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11)	
LED	1 x System Status LED	
Button	1 x Reset button	
Environment	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)	
Weather Resistance	IP Rating: IP41 Lightning Protection/Surge Protection: ±2 kV	
Package Contents		
Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Cross pan head screws (ST4.2 x 25 mm)	4
	Plastic expansion anchors (φ9 x 25.4 mm)	4
	Key to security lock	1
	Alignment sticker	1
	Mounting bracket	1



Specifications

Overview	
Dimensions	Ø220 mm x 52.6 mm (Ø8.66 in. x 2.07 in.) (excluding the mounting bracket)
Weight	≤ 0.5 kg (1.10 lbs.) (without packaging materials) ≤ 0.7 kg (1.54 lbs.) (with packaging materials)
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac/ax
Spatial Streams	4
Coverage Area	145 m² (1560.77 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
Maximum Number of Clients	64 (2.4 GHz) 512 (5 GHz) 512 (2.4 GHz and 5 GHz)
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) Support for IEEE 802.11ax and 80 MHz: · 16 (2.4 GHz) · 84 (5 GHz) · 100 (2.4 GHz and 5 GHz) Support for IEEE 802.11ac: · 16 (2.4 GHz) · 64 (5 GHz) · 80 (2.4 GHz and 5 GHz)
Mounting Options	Ceiling/Wall
Networking Interface	1 x 10/100/1000BASE-T port
Wi-Fi Protocols	2.4 GHz: IEEE 802.11b/g/n/ax 5 GHz: IEEE 802.11a/n/ac/ax
MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
Channel Width	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: 3.79 dBi 5 GHz: 4.67 dBi
Max. Transmit Power	2400–2483.5 MHz: EIRP ≤ 36 dBm 5150–5250 MHz: EIRP ≤ 36 dBm 5250–5350 MHz: EIRP ≤ 30 dBm 5470–5725 MHz: EIRP ≤ 30 dBm 5725–5850 MHz: EIRP ≤ 36 dBm



Specifications

Power Consumption	≤ 18 W	
Power Input	PoE/PoE+ DC (12 V, 2 A), DC power adapter not included	
Modulation	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	
Receive Sensitivity	802.11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 802.11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 802.11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 802.11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 802.11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9) 802.11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 802.11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 802.11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11) 802.11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11)	
LED	1 x System Status LED	
Button	1 x Reset button	
Environment	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)	
Weather Resistance	IP Rating: IP41 Lightning Protection/Surge Protection: ±2 kV	
Package Contents		
Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Cross pan head screws (ST4.2 x 25 mm)	2
	Plastic expansion anchors (φ9 x 25.4 mm)	2
	Mounting bracket	1



Specifications

Hardware	
Dimensions	Ø195 mm x 41 mm (Ø7.68 in. x 1.61 in.) (excluding the mounting bracket)
Weight	≤ 0.6 kg (1.32 lbs.) (without packaging materials) ≤ 1 kg (2.2 lbs.) (with packaging materials)
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac/ax/be
Spatial Streams	4
Coverage Area	140 m ² (1506.95 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
Maximum Number of Clients	64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz)
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) Support for IEEE 802.11ax and 80 MHz: · 16 (2.4 GHz) · 84 (5 GHz) · 100 (2.4 GHz and 5 GHz) Support for IEEE 802.11ac: · 16 (2.4 GHz) · 64 (5 GHz) · 80 (2.4 GHz and 5 GHz)
Mounting Options	Ceiling/Wall
Networking Interface	1 x 10/100/1000/2500BASE-T port
Wi-Fi Protocols	2.4 GHz: IEEE 802.11b/g/n/ax/be 5 GHz: IEEE 802.11a/n/ac/ax/be
MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
Channel Width	2.4 GHz: 20/40 MHz 5 GHz: 20/40/80/160 MHz
Wireless Data Rate	2.4 GHz: 688 Mbps 5 GHz: 2882 Mbps
Antenna Gain	2.4 GHz: 3.23 dBi 5 GHz: 4.44 dBi
Max. Transmit Power	2400–2483.5 MHz: EIRP ≤ 36 dBm 5150–5250 MHz: EIRP ≤ 36 dBm 5250–5350 MHz: EIRP ≤ 30 dBm 5470–5725 MHz: EIRP ≤ 30 dBm 5725–5850 MHz: EIRP ≤ 36 dBm
Power Consumption	≤ 14 W
Power Input	PoE DC (12 V, 1.5 A), DC power adapter not included



Specifications

Modulation	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	
Receive Sensitivity	802.11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 802.11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 802.11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 802.11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 802.11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9) 802.11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 802.11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 802.11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11) 802.11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11) 802.11be: 20 MHz: -85 dBm (MCS0), -52 dBm (MCS13) 802.11be: 40 MHz: -82 dBm (MCS0), -49 dBm (MCS13) 802.11be: 80 MHz: -82 dBm (MCS0), -46 dBm (MCS13) 802.11be: 160 MHz: -79 dBm (MCS0), -44 dBm (MCS13)	
LED	1 x System Status LED	
Button	1 x Reset button	
Environment	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)	
Weather Resistance	IP Rating: IP41 Lightning Protection/Surge Protection: ±2 kV	
Package Contents		
Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Cross pan head screws (ST4.2 x 25 mm)	4
	Plastic expansion anchors (φ9 x 25.4 mm)	4
	Key to security lock	1
	Alignment sticker	1
	Mounting bracket	1



Specifications

Hardware	
Dimensions	86 mm x 24 mm x 124 mm (3.39 in. x 0.94 in. x 4.88 in.) (excluding the mounting bracket)
Weight	≤ 0.27 kg (0.60 lbs.) (without packaging materials) ≤ 0.45 kg (0.99 lbs.) (with packaging materials)
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac/ax/be
Spatial Streams	4
Coverage Area	55 m ² (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.
Maximum Number of Clients	64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz)
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) Support for IEEE 802.11ax and 80 MHz: · 16 (2.4 GHz) · 64 (5 GHz) · 80 (2.4 GHz and 5 GHz) Support for IEEE 802.11ac: · 8 (2.4 GHz) · 32 (5 GHz) · 40 (2.4 GHz and 5 GHz)
Mounting Options	Wall
Networking Interface	4 x 10/100/1000BASE-T LAN ports (1 x 802.3af PoE Out port), 1 x 10/100/1000/2500BASE-T WAN port
Wi-Fi Protocols	2.4 GHz: IEEE 802.11b/g/n/ax/be 5 GHz: IEEE 802.11a/n/ac/ax/be
MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
Channel Width	2.4 GHz: 20/40 MHz 5 GHz: 20/40/80/160 MHz
Wireless Data Rate	2.4 GHz: 688 Mbps 5 GHz: 2882 Mbps
Antenna Gain	2.4 GHz: 2.84 dBi 5 GHz: 4.56 dBi
Max. Transmit Power	2400–2483.5 MHz: EIRP ≤ 36 dBm 5150–5250 MHz: EIRP ≤ 36 dBm 5250–5350 MHz: EIRP ≤ 30 dBm 5470–5725 MHz: EIRP ≤ 30 dBm 5725–5850 MHz: EIRP ≤ 36 dBm
Power Consumption	≤ 15 W (excluding PoE output)
Power Input	PoE+



Specifications

Modulation	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	
Receive Sensitivity	802.11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 802.11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 802.11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 802.11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 802.11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9) 802.11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 802.11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 802.11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11) 802.11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11) 802.11be: 20 MHz: -85 dBm (MCS0), -52 dBm (MCS13) 802.11be: 40 MHz: -82 dBm (MCS0), -49 dBm (MCS13) 802.11be: 80 MHz: -82 dBm (MCS0), -46 dBm (MCS13) 802.11be: 160 MHz: -79 dBm (MCS0), -44 dBm (MCS13)	
LED	1 x System Status LED	
Button	1 x Reset button	
Environment	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)	
Weather Resistance	IP Rating: IP41 Lightning Protection/Surge Protection: ±2 kV	
Package Contents		
Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Cross pan head screws (M4 x 25 mm)	4
	Key to security lock	1
	Mounting bracket	1



Specifications

Hardware	
Dimensions	208 mm x 208 mm x 40 mm (8.19 in. x 8.19 in. x 1.57 in.) (excluding the mounting bracket)
Weight	≤ 0.75 kg (1.65 lbs.) (without packaging materials) ≤ 1.3 kg (2.87 lbs.) (with packaging materials)
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac/ax/be
Spatial Streams	5
Coverage Area	145 m ² (1560.77 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
Maximum Number of Clients	64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz)
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) Support for IEEE 802.11ax and 80 MHz: · 16 (2.4 GHz) · 84 (5 GHz) · 100 (2.4 GHz and 5 GHz) Support for IEEE 802.11ac: · 16 (2.4 GHz) · 64 (5 GHz) · 80 (2.4 GHz and 5 GHz)
Mounting Options	Ceiling/Wall
Networking Interface	1 x 10/100/1000/2500BASE-T port 1 x 10/100/1000BASE-T port
Wi-Fi Protocols	2.4 GHz: IEEE 802.11b/g/n/ax/be 5 GHz: IEEE 802.11a/n/ac/ax/be
MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 3 x 3 MU-MIMO
Channel Width	2.4 GHz: 20/40 MHz 5 GHz: 20/40/80/160 MHz
Wireless Data Rate	2.4 GHz: 688 Mbps 5 GHz: 4323 Mbps
Antenna Gain	2.4 GHz: 4.84 dBi 5 GHz: 5.41 dBi
Max. Transmit Power	2400–2483.5 MHz: EIRP ≤ 36 dBm 5150–5250 MHz: EIRP ≤ 36 dBm 5250–5350 MHz: EIRP ≤ 30 dBm 5470–5725 MHz: EIRP ≤ 30 dBm 5725–5850 MHz: EIRP ≤ 36 dBm



Specifications

Power Consumption	≤ 30 W	
Power Input	PoE+ DC (12 V, 2.5 A), DC power adapter not included	
Modulation	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	
Receive Sensitivity	802.11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 802.11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 802.11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 802.11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 802.11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9) 802.11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 802.11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 802.11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11) 802.11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11) 802.11be: 20 MHz: -85 dBm (MCS0), -52 dBm (MCS13) 802.11be: 40 MHz: -82 dBm (MCS0), -49 dBm (MCS13) 802.11be: 80 MHz: -82 dBm (MCS0), -46 dBm (MCS13) 802.11be: 160 MHz: -79 dBm (MCS0), -44 dBm (MCS13)	
LED	1 x System Status LED	
Button	1 x Reset button	
Environment	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)	
Weather Resistance	IP Rating: IP41 Lightning Protection/Surge Protection ±2 kV	
Package Contents		
Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Cross pan head screws (ST4.2 x 25 mm)	4
	Plastic expansion anchors (φ9 x 25.4 mm)	4
	Key to security lock	1
	Alignment sticker	1
	Mounting bracket	1



Specifications

Hardware	
Dimensions	220 mm x 220 mm x 45 mm (8.66 in. x 8.66 in. x 1.77 in.) (excluding the mounting bracket)
Weight	≤ 1.1 kg (2.43 lbs.) (without packaging materials) ≤ 1.44 kg (3.17 lbs.) (with packaging materials)
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac/ax/be
Spatial Streams	8
Coverage Area	145 m ² (1560.77 square ft.)
Maximum Number of Clients	128 (2.4 GHz) 256 (5 GHz) 256 (6 GHz) 600 (2.4 GHz, 5 GHz, and 6 GHz)
Recommended Number of Associated Wireless Clients	Support for IEEE 802.11ax/be and 160 MHz: · 16 (2.4 GHz) · 84 (5 GHz) · 100 (6 GHz) · 200 (2.4 GHz, 5 GHz, and 6 GHz) Support for IEEE 802.11ax and 80 MHz: · 16 (2.4 GHz) · 64 (5 GHz) · 60 (6 GHz) · 140 (2.4 GHz and 5 GHz) Support for IEEE 802.11ac: · 16 (2.4 GHz) · 64 (5 GHz) · 80 (2.4 GHz and 5 GHz)
Mounting Options	Ceiling/Wall
Networking Interface	1 x 10/100/1000/2500BASE-T port 1 x 10GE SFP+ port
Wi-Fi Protocols	2.4 GHz: IEEE 802.11b/g/n/ax/be 5 GHz: IEEE 802.11a/n/ac/ax/be 6 GHz: IEEE 802.11a/ax/be
MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 3 x 3 MU-MIMO 6 GHz: 3 x 3 MU-MIMO
Channel Width	2.4 GHz: 20/40 MHz 5 GHz: 20/40/80/160 MHz 6 GHz: 20/40/80/160/320 MHz
Wireless Data Rate	2.4 GHz: 688 Mbps 5 GHz: 4323 Mbps 6 GHz: 8646 Mbps
Antenna Gain	2.4 GHz: 3.99 dBi 5 GHz: 6.98 dBi 6 GHz: 6.99 dBi
Max. Transmit Power	2400–2483.5 MHz: EIRP ≤ 36 dBm 5150–5250 MHz: EIRP ≤ 36 dBm 5250–5350 MHz: EIRP ≤ 30 dBm 5470–5725 MHz: EIRP ≤ 30 dBm 5725–5850 MHz: EIRP ≤ 36 dBm 5925–7125 MHz: EIRP ≤ 30 dBm, EIRP PSD ≤ 5 dBm/ MHz



Specifications

Power Consumption	≤ 30 W	
Power Input	PoE+ DC (54 V, 0.55 A), DC power adapter not included	
Modulation	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	
Receive Sensitivity	802.11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 802.11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 802.11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 802.11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 802.11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9) 802.11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 802.11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 802.11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11) 802.11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11) 802.11be: 20 MHz: -85 dBm (MCS0), -52 dBm (MCS13) 802.11be: 40 MHz: -82 dBm (MCS0), -49 dBm (MCS13) 802.11be: 80 MHz: -82 dBm (MCS0), -46 dBm (MCS13) 802.11be: 160 MHz: -79 dBm (MCS0), -44 dBm (MCS13) 802.11be: 320 MHz: -76 dBm (MCS0), -41 dBm (MCS13)	
LED	1 x System Status LED	
Button	1 x Reset button	
Environment	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)	
Weather Resistance	IP Rating: IP41 Lightning Protection/Surge Protection: ±2 kV	
Package Contents		
Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Cross pan head screws (ST4.2 x 20 mm)	4
	Plastic expansion anchors (φ9 x 25.4 mm)	4
	Key to security lock	1
	Alignment sticker	1
	Mounting bracket	1



Specifications

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
	Multi-Link Operation (MLO)	Yes (only WiFi 7)
	4K-QAM	Yes (only WiFi 7)
	RF Beamforming	Yes
	Wi-Fi Speed Limiting	Yes
	Client Isolation	Yes
	Scheduled Wi-Fi	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	Yes
	PPPoE Dial-up	Yes
AP Mesh	Mesh Management	Yes
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 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

Specifications

Compliance and Standard	
NDAA Compliant	Yes
Certification	FCC, ISED, cTUVus
Operating Frequency	2400–2483.5 MHz 5150–5250 MHz 5250–5350 MHz 5470–5725 MHz 5725–5850 MHz 5925–7125 MHz