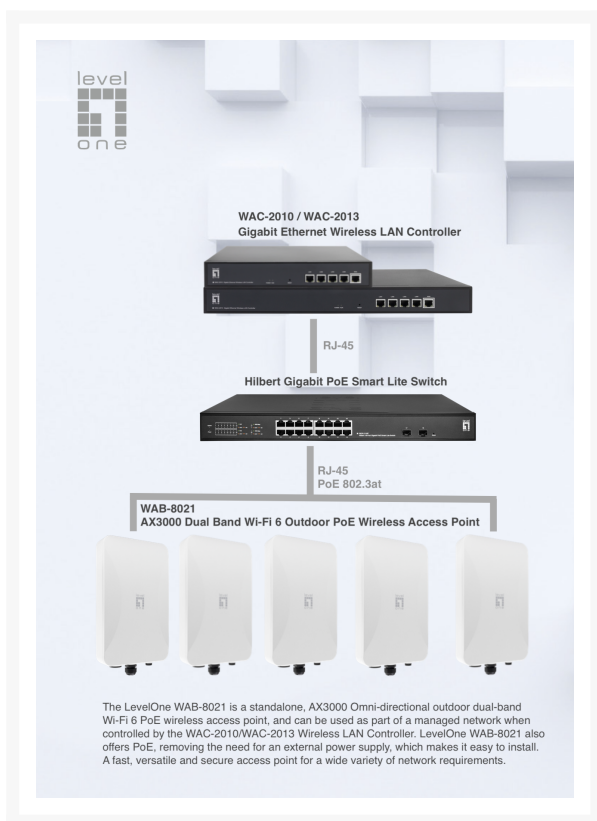


WAB-8021 AX3000 Outdoor Dual Band Wi-Fi 6 PoE Wireless Access Point, IP67, Omni-directional

Product Images





Short Description

- **Speed:** Ultra-fast AX3000 (574Mbps / 2401Mbps).
- **Broad Standard Support:** Compatible with IEEE 802.11 a/b/g/n/ac/ax wireless standards.
- **Sync:** OFDMA and Wave 2 MU-MIMO for efficient multi-device flow.
- **Traffic Control:** Provides up to 8 SSIDs to isolate and secure network data.
- **Safety:** Supports WPA3 encryption for modern data integrity.
- **Power:** PoE equipped for simplified outdoor mounting.
- **Modes:** Multi-operation modes to suit diverse wireless applications.
- **Antenna:** Built-in 2 x 2 MIMO antenna.
- **Range:** Omni-directional transmission distance up to 100m.
- **Durability:** Weatherproof IP67-rated housing for extreme conditions.

Description

The LevelOne WAB-8021 is an industrial-grade AX3000 outdoor access point engineered to solve long-range connectivity challenges in harsh climates. It acts as a definitive signal hub, delivering unthrottled 3000Mbps speeds with a 100m omni-directional range. This unit effectively serves as a durable bridge for campus and industrial sites, featuring an IP67-rated weatherproof housing designed to withstand extreme rain, snow, and dust.

Additional Information

Harmonized System (HS) code.	851762
Customs product code (TARIC).	8517620000
Features.	● Web-Based GUI Configuration ● Multiple SSID (4 SSID for 2.4GHz, 4 SSID for 5GHz) ● Weatherproof IP67-rated housing
Frequency band.	2.4/5GHz(Dual bands)
PoE Supported.	Yes
Wireless AP type.	Outdoor
Max. Wi-Fi Data Rate.	3000Mbps

Receiver sensitivity.

2.4 GHz Radio : ● 802.11b / 1Mbps / RX Sensitivity : -90 (dBm) ● 802.11b / 11Mbps / RX Sensitivity : -85 (dBm) ● 802.11g / 6Mbps / RX Sensitivity : -90 (dBm) ● 802.11g / 54Mbps / RX Sensitivity : -72 (dBm) ● 802.11n HT20 / MCS0 / RX Sensitivity : -87 (dBm) ● 802.11n HT20 / MCS7 / RX Sensitivity : -70 (dBm) ● 802.11n HT40 / MCS0 / RX Sensitivity : -85 (dBm) ● 802.11n HT40 / MCS7 / RX Sensitivity : -68 (dBm) ● 802.11ax HE20 / MCS0 / RX Sensitivity : -83 (dBm) ● 802.11ax HE20 / MCS11 / RX Sensitivity : -60 (dBm) ● 802.11ax HE40 / MCS0 / RX Sensitivity : -83 (dBm) ● 802.11ax HE40 / MCS11 / RX Sensitivity : -56 (dBm) 5 GHz Radio : ● 802.11a HT20 / 6Mbps/ RX Sensitivity : -92 (dBm) ● 802.11a HT20 / 54Mbps/ RX Sensitivity : -72 (dBm) ● 802.11n HT20 / MCS0 / RX Sensitivity : -90 (dBm) ● 802.11n HT20 / MCS7 / RX Sensitivity : -70 (dBm) ● 802.11n HT40 / MCS0 / RX Sensitivity : -88 (dBm) ● 802.11n HT40 / MCS7 / RX Sensitivity : -68 (dBm) ● 802.11ac VHT20 / MCS0 / RX Sensitivity : -88 (dBm) ● 802.11ac VHT20 / MCS8 / RX Sensitivity : -70 (dBm) ● 802.11ac VHT40 / MCS0 / RX Sensitivity : -88 (dBm) ● 802.11ac VHT40 / MCS7 / RX Sensitivity : -68 (dBm) ● 802.11ac VHT80 / MCS0 / RX Sensitivity : -85 (dBm) ● 802.11ac VHT80 / MCS9 / RX Sensitivity : -58 (dBm) ● 802.11ax HE20 / MCS0 / RX Sensitivity : -88 (dBm) ● 802.11ax HE20 / MCS11 / RX Sensitivity : -62 (dBm) ● 802.11ax HE40 / MCS0 / RX Sensitivity : -86 (dBm) ● 802.11ax HE40 / MCS11 / RX Sensitivity : -58 (dBm) ● 802.11ax HE80 / MCS0 / RX Sensitivity : -84 (dBm) ● 802.11ax HE80 / MCS11 / RX Sensitivity : -55 (dBm) ● 802.11ax HE160 / MCS0 / RX Sensitivity : -82 (dBm) ● 802.11ax HE160 / MCS11 / RX Sensitivity : -51 (dBm)

Color.

White

EAN.

4015867231630

Model Number.

WAB-8021

Dimensions (W x D x H).

230 x 107 x 38 mm

Product weight (kg).

1.3

Antenna.

2 Built-in 5dBi MIMO 2.4GHz Omnidirectional Antenna, 2 Built-in 7dBi MIMO 5GHz Omnidirectional Antenna

EIRP (dBm).

< 20 dBm

Encryption.

WPA2 Personal (AES), WPA3 Personal (AES)

Flash memory size.	8 MB (SPI NOR), 128 MB (SPI NAND)
Frequency band.	2.412 to 2.484 GHz, 5.18GHz to 5.825GHz
Indicators.	● Power ● System ● WIFI status
Mount.	Pole mount
Operating modes.	Gateway Mode, Repeater Mode, AP Mode
Port Configuration.	1 x LAN/WAN RJ45 Ports (10/100 /1000 Base-T)
Power consumption.	< 16W
Power supply included.	No
RAM size.	512 MB
Standard.	● IEEE 10BASE-T (IEEE 802.3) ● IEEE 100BASE-TX (IEEE 802.3u) ● IEEE 1000BASE-T (IEEE 802.3ab) ● IEEE 802.11a/b/g/n/ac/ax ● IEEE 802.3at Power over Ethernet
Wireless channels.	● 2.412 to 2.484 GHz: CH 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 ● 5.150GHz to 5.850GHz : CH 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 116, 120, 124, 128, 132, 140, 149, 153, 157, 161, 165
Approval and Compliance.	● CE ● RED ● RoHS
Operating humidity.	10% RH ~ 90% RH
Operating temperature.	-20°C ~ 50°C
Storage humidity.	5% RH ~ 95% RH
Storage temperature.	-20°C ~ 80°C
Package Contents.	● WAB-8021 ● IP67 Plastic Waterproof Nylon Cable Gland ● Pole Mounting Hose Clamp (59-82mm) ● RJ45 Network Cable ● Quick Installation Guide ● Declaration of Conformity

