

# WAP-8171 BE3600 Dual Band Wi-Fi 7 PoE Access Point, 1 × 2.5GbE WAN, MLO, Ceiling Mount, Controller Managed

## Product Images

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## Short Description

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- **WiFi Standard:** Wi-Fi 7 (802.11be), a/b/g/n/ac/ax/be compatible.
- **Speed:** Up to 3.6 Gbps (688 Mbps @ 2.4 GHz + 2882 Mbps @ 5 GHz).
- **Architecture:** Dual-band 2x2 with Multi-Link Operation (MLO).
- **Uplink:** 2.5 Gigabit Ethernet.
- **Power:** PoE (802.3at) or DC input.
- **Security & Mgmt:** WPA3/WPA2; controller-managed, ceiling mount.

## Description

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The LevelOne WAP-8171 is a Wi-Fi 7 ceiling access point delivering combined speeds up to 3.6 Gbps (688 Mbps @ 2.4 GHz + 2882 Mbps @ 5 GHz) for high-density, bandwidth-intensive business networks.

A dual-band 2x2 architecture with Multi-Link Operation (MLO) runs simultaneous multi-band connections to raise throughput and cut latency, and a 2.5 Gigabit Ethernet uplink keeps wired backhaul ahead of the wireless. It complies with 802.11 a/b/g/n/ac/ax/be.

PoE (802.3at) and DC power give flexible deployment, WPA3 security (backward compatible with WPA2) protects the network, and it is controller-managed for centralized administration.

## Additional Information

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| Power consumption.      | Max. 20W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Model Number.           | WAP-8171                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Features.               | Modulation Type: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Receiver sensitivity.   | <p>2.4 GHz • 802.11b: -89 dBm (11 Mbps), -95 dBm (1 Mbps) • 802.11g: -75 dBm (54 Mbps), -92 dBm (6 Mbps) • 802.11n, HT20: -76 dBm (MCS7), -88 dBm (MCS0) • 802.11n, HT40: -70 dBm (MCS7), -86 dBm (MCS0) • 802.11ax, HE20: -62 dBm (MCS11), -88 dBm (MCS0) • 802.11ax, HE40: -60 dBm (MCS11), -86 dBm (MCS0) • 802.11be, EHT20: -60 dBm (MCS13), -86 dBm (MCS0) • 802.11be, EHT40: -60 dBm (MCS13), -86 dBm (MCS0) 5 GHz • 802.11a: -75 dBm (54 Mbps), -92 dBm (6 Mbps) • 802.11n HT20: -78 dBm (MCS7), -88 dBm (MCS0) • 802.11n HT40: -70 dBm (MCS7), -86 dBm (MCS0) • 802.11ac VHT20: -65 dBm (MCS7), -88 dBm (MCS0) • 802.11ac VHT40: -62 dBm (MCS7), -86 dBm (MCS0) • 802.11ac VHT80: -60 dBm (MCS7), -84 dBm (MCS0) • 802.11ax HE20: -60 dBm (MCS11), -90 dBm (MCS0) • 802.11ax HE40: -58 dBm (MCS11), -88 dBm (MCS0) • 802.11ax HE80: -54 dBm (MCS11), -84 dBm (MCS0) • 802.11ax HE160: -54 dBm (MCS11), -82 dBm (MCS0) • 802.11be EHT20: -54 dBm (MCS13), -86 dBm (MCS0) • 802.11be EHT40: -52 dBm (MCS13), -84 dBm (MCS0) • 802.11be EHT80: -50 dBm (MCS13), -82 dBm (MCS0) • 802.11be EHT160: -48 dBm (MCS13), -80 dBm (MCS0)</p> |
| Dimensions (W x D x H). | 198 x 198 x 32 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product weight (kg).    | 0.594                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Antenna.                | 4 × internal omni antennas (2 × 4 dBi @ 2.4 GHz, 2 × 4 dBi @ 5 GHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| EIRP (dBm).             | < 20 dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Encryption.             | WPA2 Personal, WPA3 Personal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Power supply included.  | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| Standard.                     | <ul style="list-style-type: none"> <li>• IEEE 802.3 10-BASE-T, Ethernet</li> <li>• IEEE 802.3u 100-BASE-TX, Fast Ethernet</li> <li>• IEEE 802.3ab 1000BASE-T, Gigabit Ethernet</li> <li>• IEEE 802.3bz 2.5 Gigabit Ethernet</li> <li>• IEEE 802.3at Power over Ethernet Plus (PoE+)</li> <li>• IEEE 802.11a Wireless</li> <li>• IEEE 802.11b Wireless</li> <li>• IEEE 802.11g Wireless</li> <li>• IEEE 802.11n Wireless (Wi-Fi 4)</li> <li>• IEEE 802.11ac Wireless (Wi-Fi 5)</li> <li>• IEEE 802.11ax Wireless (Wi-Fi 6)</li> <li>• IEEE 802.11be Wireless (Wi-Fi 7)</li> <li>• IEEE 802.11e Wi-Fi Multimedia (WMM)</li> <li>• IEEE 802.11i Wi-Fi Protected Access (WPA2)</li> <li>• IEEE 802.11i Wi-Fi Protected Access (WPA3)</li> </ul> |
| Approval and Compliance.      | <ul style="list-style-type: none"> <li>• CE</li> <li>• RED</li> <li>• RoHS</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Package Contents.             | <ul style="list-style-type: none"> <li>• WAP-8171</li> <li>• RJ45 Network Cable</li> <li>• Quick Installation Guide</li> <li>• Declaration of Conformity</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Harmonized System (HS) code.  | 851762                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Customs product code (TARIC). | 8517620000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EAN.                          | 4015867244326                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

