

Z100 Dual-band 802.11ac Indoor AP



Z100 is a dual-band 2x2 MIMO 802.11ac indoor wireless access point (AP), designed for high user density deployments in large offices, schools, hospitals and hotels that require premium performance.

It can provide up to 1,167 Mbps aggregate data rate. With the enhanced transmission power and receive sensitivity, the AP promises high throughput and reliable coverage that are essential for the modern network, catering for the needs of the versatile business landscapes nowadays. In addition to efficient network management, access policy implementation is made easy by the flexibility of employing multiple SSIDs to control user access to the network

High throughput indoors for
high-density user applications

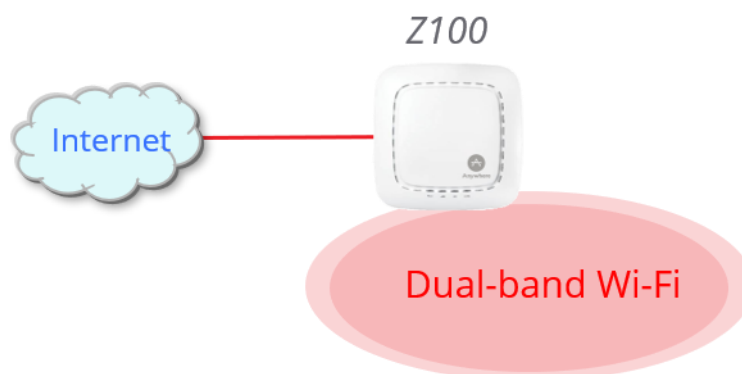
- Aggregate 1,167 Mbps data rate
- Up to 512 concurrent users

802.11ac

- Dual-band dual-concurrent MIMO
- Built-in 2.4 and 5 GHz antennas

Deployment Architecture

High Density AP



Z100 Dual-band 802.11ac Indoor AP

Specifications

| Wireless | | |
|----------------------------------|---|---|
| Operating Frequency ¹ | 2.400 – 2.4835 GHz 5.150 - 5.350 GHz 5.470 - 5.850 GHz Dual-band dual-concurrent | |
| Modulation | OFDM: BPSK, QPSK,16QAM, 64QAM, 256QAM DSSS: DBPSK, DQPSK, CCK | |
| No. of Spatial Stream | 2×2: 2 MIMO | |
| Receive Sensitivity | 802.11b | -99 dBm (1 Mbps); -91 dBm (11Mbps) |
| | 802.11g | -91 dBm (6 Mbps); -77 dBm (54Mbps) |
| | 802.11n | -91 dBm (HT20); -88 dBm (HT40) |
| | 802.11a | -93 dBm (6 Mbps); -77 dBm (54 Mbps) |
| | 802.11a/n | -91 dBm (HT20); -88 dBm (HT40) |
| | 802.11ac | -91 dBm (VHT20); - 88 dBm (VHT40); - 85 dBm (VHT80) |
| Transmit Power ¹ | 23 dBm (Max) | |
| No. of SSIDs supported | 32 (Max.; 16 per Radio) | |
| Antenna | | |
| Type | 1 × Built-in 2.4 GHz 1 × Built-in 5 GHz | |
| Gain | 3 dBi | |
| Polarization | Vertical | |
| Horizontal Beamwidth | 360° | |
| Vertical Beamwidth | 80° | |
| Network | | |
| Redundancy | STP | |
| Features | DHCP Client/Server, NAT, PPPoE Client, VLAN | |
| Security | | |
| Authentication | Open System, Shared Key, WPA/WPA-PSK, WPA2/WPA2-PSK, 802.1x(EAP-PEAP/TLS/TTLS/SIM/AKA), MAC address, RADIUS support, SSID suppression | |
| Encryption Protocol | TKIP, 128-bit AES | |

| Management | |
|---|--|
| User Interface | SmartMoment |
| Support | Remote Firmware Upgrade, SNMP v1/v2c ² , MIB support ² |
| Hardware | |
| No. of Radio | 1 × 2.4 GHz Radio + 1 × 5 GHz Radio |
| Network Interface | 1 × GE & PoE Port; 1 × Console; 1 × Reset; 1 × DC Power Input; 1 × USB 2.0 |
| LED | RUN; ETH; 5G; 2.4G |
| Power Supply | 802.3af PoE Injector; DC 12V/1A |
| Power Consumption | 12 W (Max.) |
| MTBF | 380,000 hours (50° C) |
| Physical Characteristics | |
| Dimensions | 160×160×40 mm (w/o Mounting) |
| Weight | 300 g (Net w/o Mounting); 376 g (Net w/ Mounting); 550 g (Gross) |
| Mounting | Ceiling and Wall Mounting |
| Environmental | |
| Temperature | 0° C to 45° C (Operating) |
| Humidity | 5% to 95 % Non-condensing |
| Weatherproof | IP30 |
| Certification | |
| FCC, OFCA | |
| Standard Warranty | |
| First year free limited hardware warranty and firmware upgrade. | |
| Ordering Information | |
| Part Number | GE.AP-Z100-00 |
| Description | Z100 Dual-band 802.11ac Indoor AP |

¹operating frequency and transmit power vary by country/region settings

²available in the future updates

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