

Anywhere
INTELLIGENT CONNECTIVITY

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.

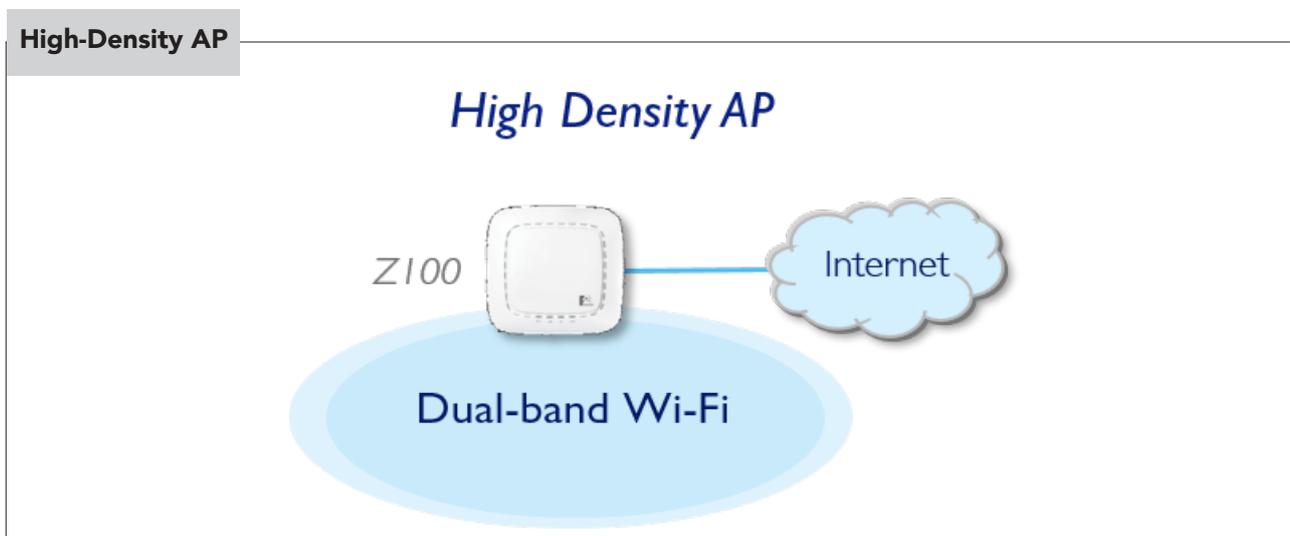
High throughput indoors for high-density user applications

- 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



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Specifications

Wireless

Operating Frequency (Country-dependent)	2.400 – 2.4835 GHz 5.150 - 5.350 GHz 5.470 - 5.850 GHz Dual-band dual-concurrent
Modulation Techniques	OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM DSSS: DBPSK, DQPSK, CCK
No. of Spatial Stream	2x2: 2 MIMO
Receive Sensitivity	802.11b -99 dBm (1 Mbps); -91 dBm (11 Mbps) 802.11g -91 dBm (6 Mbps); -77 dBm (54 Mbps) 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 (Country-dependent)	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 Beandwidth	80°

Networking

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

Built-in Web User Interface	SmartMoment
Support	Remote Firmware Upgrade, SNMP v1/v2c, MIB support

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

Warranty

First year free limited hardware warranty and firmware upgrade

Ordering Information

Part Number	Description
GE.AP-Z100-00	Z100 Dual-band 802.11ac Indoor AP

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