

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

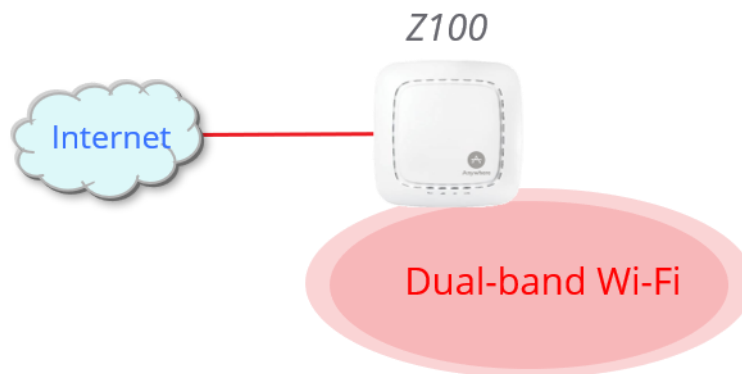
- Aggregate 1,167 Mbps data rate
- Up to 512 concurrent users

802.11ac

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

Deployment Architecture

High Density AP





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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	2x2: 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 x Built-in 2.4 GHz 1 x 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 x 2.4 GHz Radio + 1 x 5 GHz Radio
Network Interface	1 x GE & PoE Port; 1 x Console; 1 x Reset; 1 x DC Power Input; 1 x 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	160x160x40 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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