The EZ-GO® Dual AC+ is a dual radio, high power 27dBm (500mW), outdoor Access Point or Client/Station operating in the 2.4GHz and 5GHz unlicensed frequency spectrum providing 5GHz throughput up to 900 Mb/sec.

It complies with the 802.11a/b/g/n/ac standards to insure interoperability. The EZ-GO® Dual AC+ is extremely flexible. It can be used to supply a 5GHz and a 2.4GHz Access Point at the same time or you can use the 5GHz channel to connect to an existing wireless AP and use the 2.4GHz channel to supply a WiFi signal at a remote location. It can be configured as a bridge (default) or Router.

Multiple EZ-GO® Dual AC+ units can be connected in a point to multipoint or mesh configuration to allow interconnecting more than two sites.

With its password verification, MAC address authentication, SSID suppression and advanced WPA encryption, the system provides strong wireless data security.

If changes to the pre-configured settings are desired, they can be easily done thru the built-in web interface from any point on either side of the network. There are no drivers or software that needs to be loaded to the computer.

The EZ-GO® Dual AC+ comes complete with all the electronics that are needed for a wireless network installation; including a powerful 802.11a/b/g/n/ac MIMO antenna, Stainless Steel hose clamp for 1-2" pole (or wall mounting), 48V PoE (Power over Ethernet) power inserter with auto-ranging 120/240VAC input, and one 3ft Ethernet patch cable. Customer to supply CAT5/6 cabling between the PoE inserter and the antenna.

FEATURES	BENEFITS
High Power Electronics and Powerful MIMO Antenna	Operation up to 3 miles with good line of sight and up to 900 Mbps throughput
True Plug and Play	No driver needed. Automatic peer to peer communications
Dual Radio – 5GHz and 2.4GHz	Provides 5GHz Backhaul and 2.4GHz Access Points
64 and 128bit WEP, WPA Encryption	Strong Wireless data security
Web-based configuration	Remotely change device configuration or update firmware from anywhere on the network
Power over Ethernet	Up to 100meter (300') cable from the PoE inserter to antenna
Layer 2 Transparent Bridge	Passes DHCP, VOIP Packets, Untagged VLAN Packets and supports multiple MAC addresses
Multiple SSID	Up to 8 Virtual AP with custom SSID
VPN	Supports VPN Pass Through
WiFi Analyzer	Built in WiFi analyzer to show spectrum usage
External Status LEDs	Indicates Sys Power, 2.4GHz and 5GHz Wireless

Data Rates
5GHz: up to 900Mbps (80Mhz Channel)
5GHz: up to 450Mbps (40Mhz Channel)
5GHz: up to 225Mbps (20Mhz Channel)
2.4GHz: up to 300Mbps (802.11n / 40MHz)

Standards
IEEE802.11a/b/g/n/ac, 802.3az, 802.3u

Power Requirements
PoE Inserter: 100-240VAC 50/60Hz Input
EZ-GO®: 48V 802.3af or 48V Passive PoE
12VDC to Aux DC Connector Input
Average Power Consumption: 6W

Regulatory Certifications
FCC Part 15 / UL

RF Frequency Bands
2312 ~ 2483 MHz
5020 ~ 6100 MHz

Modulation Technology
802.11ac: OFDM 256QAM
802.11n: OFDM 64QAM
802.11b/g: DSSS

Receive Sensitivity (Typical)
802.11ac: -86 dBm
802.11g/n: -88 dBm
802.11a: -90 dBm
801.11b: -94 dBm

EVM – Error Vector Magnitude
802.11ac: <-32 dB
802.11n: <-28 dB
802.11a/g: < -25 dB
802.11b: <-10 dB

Transmit Power
25dBm 316mW Max

Antenna
2.4GHz 12dBi MIMO ; 5GHz 14dBi MIMO Panel
Antenna, 60deg Beamwidth

Operation Mode – Bridge or Router
Access Point Mode, Repeater Mode (Client)

Max Users = 128

Interface
10/100/1000Mbps Shielded RJ-45 Port x 2

IP Configuration
Static or Auto configuration using DHCP Client

Security
MAC Address Filtering, 128bit WEP/WPA
encryption, Hide SSID in beacons

Management Configuration
Web-based configuration (HTTP)

Firmware Upgrade
Upgrade firmware via web browser

Antenna Physical Dimensions (L x W x D)
315mm x 145mm x 80mm
12.4" x 5.7" x 3.1"

Weight
1.2 kg   (2.6 lbs)

Operating Temperature
-40°C to +55°C (-40°F to 131°F)

Warranty: 2 Year

Order #: EZGO-Dual-AC+

RoHS
compliant

EZ-GO® Dual AC+ Complete Kit
Note: Mounting Pole not included

Inside Connections

Typical installation