

The EZ-Bridge® Dual AC+ is a dual radio, high power 27dBm (500mW), outdoor wireless bridge system 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-Bridge® Dual AC+ creates a 5GHz transparent wireless bridge between two networks up to 3 miles apart with good line of sight and provides a 2.4GHz access point at each side of the wireless link. This dual radio configuration gives full data bandwidth (300Mbps) on the 2.4GHz access points to support multiple wireless devices on both sides of the link. It supports VOIP, VPN, multiple MAC addresses and DHCP across the wireless link. It is the perfect plug and play solution for connecting the networks in two or more buildings, internet access sharing, remote video surveillance or remote network access. Multiple EZ-Bridge® Dual AC+ units can be connected in a 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.

Installation is a snap because of the plug and play features which have been built into the system. Just install the antennas and plug in the PoE power inserters. The units will automatically find their peer and create a secure wireless network link. 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-Bridge® Dual AC+ comes complete with all the electronics that are needed for a point to point wireless network bridge installation; including 2 powerful 802.11a/b/g/n/ac MIMO antennas, Stainless Steel hose clamp for 1-2" pole (or wall mounting), 48V PoE (Power over Ethernet) power inserters with auto-ranging 120/240VAC input, and one 3ft Cat5 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-Bridge®: 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"

Complete System Weight

2.3 kg (5 lbs)

Operating Temperature

-40°C to +55°C (-40°F to 131°F)

Warranty: 2 Year

Order #: EZBR-Dual-AC+



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



Inside Connections



Typical installation

