

The EZ-Bridge® 5AC is a high power 25dBm (316mW) outdoor wireless bridge system operating in the 5GHz unlicensed frequency spectrum providing throughput up to 900 Mb/sec. It complies with the 802.11a/n/ac standards to insure interoperability. The EZ-Bridge® 5AC creates a transparent wireless bridge between two networks up to 3 miles apart with good line of sight. 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® 5AC 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® 5AC comes complete with all the electronics that are needed for a point to point wireless network bridge installation; including 2 powerful 15dBi 802.11a/n/ac MIMO antennas with built-in high power electronics, Stainless Steel hose clamp to accommodate 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 needs to supply CAT5/6 cabling between the power 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. Pre-configured at the factory for automatic peer to peer communications
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	Antennas can be mounted up to 100meter (300') from the PoE power inserter
Layer 2 Transparent Bridge	Appears to network devices as if an Ethernet cable has been installed between the 2 network nodes. Passes DHCP, VOIP Packets, VLAN Packets and supports multiple MAC addresses
Multiple SSID	Up to 4 Virtual AP with custom SSID, VLAN Tag per SSID
VPN	Supports VPN Pass Through
WiFi Analyzer	Built in WiFi analyzer to show spectrum usage
Integrated Internal Status Display	Built in status display: Shows Wireless Channel (H), IP Address (A) and Signal Strength (P)
External Status LEDs	Indicates Sys Power, WAN, LAN and Wireless

Data Rates

up to 900Mbps (80Mhz Channel)
 up to 450Mbps (40Mhz Channel)
 up to 225Mbps (20Mhz Channel)

Standards

IEEE802.11a/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: 5W

Regulatory Certifications

FCC Part 15 / UL

RF Frequency Band

5180 ~ 5825 MHz

Modulation Technology

802.11ac: OFDM 256QAM
 802.11n: OFDM 64QAM

Receive Sensitivity (Typical)

802.11ac: -85 dBm
 802.11n: -88 dBm
 802.11a: -90 dBm

EVM – Error Vector Magnitude

802.11ac: <-32 dB
 802.11n: <-28 dB
 802.11a: < -25 dB

Transmit Power

25dBm 316mW Max

Antenna

5GHz 15dBi MIMO Panel Antenna, 60deg Beamwidth

Operation Mode – Bridge or Router

Access Point Mode, Repeater Mode (Client)

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)

260mm x 85mm x 58mm
 10.2" x 3.3" x 2.3"

Complete System Weight

1 kg (2.2 lbs)

Operating Temperature

-30°C to +55°C (-22°F to 131°F)

Warranty: 2 Year

Order #: EZBR-5AC



EZ-Bridge® 5AC Complete Kit
 Note: Mounting Pole not included



EZ-Bridge® 5AC Inside Connections



EZ-Bridge® 5AC Typical installation