Product Datasheet

EZ-BRIDGE® *AC*

The EZ-Bridge® AC is a dual radio high power (up to 22dBm) outdoor wireless bridge system operating in the 2.4GHz AND 5GHz unlicensed frequency spectrums providing real world throughput of over 400 Mb/sec. The 2.4GHz radio complies with 802.3bgn and the 5GHz radio complies with the 802.11ac/an standards to insure interoperability. The EZ-Bridge® AC creates a transparent wireless bridge between two networks up to 3 miles apart with good line of sight and can provide a separate access point at one or both ends of the link via the 2nd radio. The EZ-Bridge® AC supports VOIP, VPN, multiple MAC addresses and DHCP across the wireless link. It is the perfect plug and play solution for connecting high speed networks in two or more buildings, internet access sharing, remote video surveillance or remote network access. Multiple EZ-Bridge® 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 the best available 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 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 need to be loaded to the computer.

The EZ-Bridge® AC comes complete with all the electronics that are needed for a point to point wireless network bridge installation; including 2 powerful dual band 12dBi 802.11bgn AND 14dBi 802.11ac/an 2x2 MIMO antennas with built-in high power electronics, Bracket Kits which accommodate pole or wall mounting, Auto Ranging Gigabit rated 48V PoE (Power Over Ethernet) power inserters. Customer needs to supply CAT5 cabling between the power inserter and the antenna and between the power inserter and their computer, router or switch.

FEATURES	BENEFITS
High Power Electronics and Powerful Antenna	Operation up to 3 miles with good line of sight and greater than 400 Mbps real world throughput
True Plug and Play	No driver needed. Pre-configured at the factory for automatic peer to peer communications
64 and 128bit WEP, WPA and WPA2 Encryption	Most powerful data security available
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 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

Physical Data Rates
2.4Ghz: 400Mbps
5GHz: 867Mbps

Standards
IEEE802.11b/g/n, 802.11ac/an, 802.3, 802.3u, 802.3ab

Power Requirements
Power Supply: 100-240VAC 50/60Hz
Power Over Ethernet: 803.2af/at or 48VDC Passive PoE
DC Connector: 12-24VDC
Average Power Consumption: 8W

Regulatory Certifications
FCC Part 15 / UL

RF Frequency Band
2412 ~ 2472 MHz
5180 ~ 5825 MHz

Modulation Technology
OFDM: BPSK, QPSK,16-QAM, 64-QAM, 256-QAM

Receive Sensitivity (Typical)
2.4GHz: -92 dBm
5GHz: -90 dBm

Transmit Power
22dBm (158mW)

Channel Width
2.4GHz: 20/40MHz
5GHz: 20/40/80/160MHz

System Memory
256 MB DDR3, 128MB + 32MB Flash

Antenna
2.4GHz 12dBi MIMO Panel Antenna, 35deg Beamwidth, >20dB front to back
5GHz 14dBi MIMO Panel Antenna, 20deg Beamwidth, >25dB front to back

Operation Mode – Bridge or Router
Point to Point Bridge, Access Point, Access Point WDS, Client, Client WDS, Ad-Hoc, Static WDS

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

IP Configuration
Static or Auto configuration using DHCP Client

Security
MAC Address Filtering, WEP/WPA encryption, Hide SSID in beacons, Layer 2 isolation

Management Configuration
Web-based configuration (HTTP or HTTPS)
Console configuration (SSH)

Firmware Upgrade
Upgrade firmware via web browser

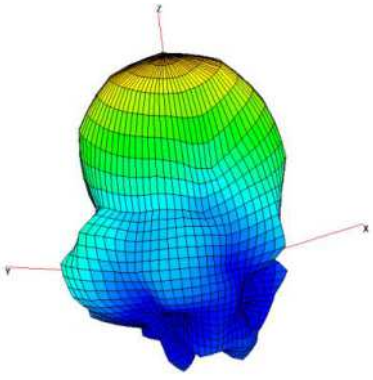
Antenna Physical Dimensions (L x W x D)
314mm x 187mm x 65mm
12.4” x 7.3” x 2.5”

Complete System Weight
3.6 kg (8 lbs)

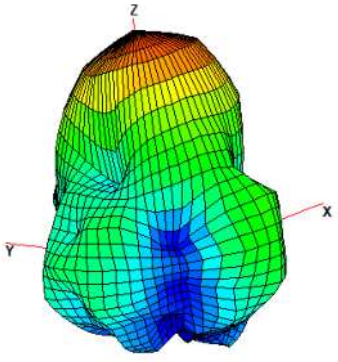
Operating Temperature
-30°C to +70°C (-22°F to 158°F)

Warranty: 2 Year

EZ-Bridge®-AC Antenna Patterns



2.4GHz



5GHz



EZ-Bridge® *AC* tool-less installation

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