



Product Datasheet

250mw Bridge / Router

EZ3+15

The **EZ3+15** is a High Power (**250mW**) 802.11b/g Outdoor Commercial grade product designed for the WISP market. Because it complies with the 802.11b and g standards, interoperability is assured. Advanced security like WPA encryption and Mac Address Filtering, provides data security peace of mind.

The product has a powerful embedded 15dBi panel antenna in a weatherproof, UV resistant and UL rated enclosure. The **EZ3+15** can be software configured by the user as a Client Router or Bridge, an Access Point with or without WDS, Universal Repeater and a Point to Point Bridge.



The **EZ3+15** supports IEEE 802.1x compliant and RADIUS, the most up-to-date wireless security solution for hot spot applications. The product also provides standard and advanced WDS (Wireless Distribution System) bridge functionality joining LAN segments that may be geographically separated to a complete network. Up to 6 WDS bridge links are possible, enabling LAN segments to be flexibly connected to mirror any network topology which a traditional wired network can achieve.

The unit supports Power Over Ethernet which allows the unit to be powered over the Ethernet cable eliminating any requirement for a separate power source at the antenna location. The field installable RJ45 Ethernet connector allows for quick installation or change out of a unit in the field.

With the advanced sleek and intuitive Web-based user interface, the **EZ3+15** can be easily managed remotely. The integrated Antenna Alignment Utility enables simple and quick antenna installations. Multiple Performance Graphs make troubleshooting easy. The overall RSSI, Traffic, and Packet/Byte graphs provide all the necessary device history information over a period of 24 hours.

The **EZ3+15** comes complete with a powerful 15dBi antenna with built-in 802.11b/g high power electronics, field installable RJ45 connector system, pole mount bracket kit, Cat5e rated POE (Power Over Ethernet) power inserter and 18VDC auto-ranging power supply.

FEATURES	BENEFITS
High Power 250mW Electronics and powerful 15dBi antenna	Long range and high throughput are achievable
64 and 128bit WEP, WPA and WPA2 Encryption, 802.1x and Radius	Most powerful data security available
Intuitive Web-based software	Easy to use software requires no driver installation on the user's PC. Software design is intuitive and simple while at the same time feature rich.
Power over Ethernet	Antennas can be mounted up to 100meter (300') from the power source
Web, SNMP, SSH, Telnet	Remotely manage the EZ3+15 from anywhere on the network

TECHNICAL SPECIFICATIONS

Data Rates

802.11g: 54 / 48 / 36 / 24 / 12 / 9 / 6 Mbps

802.11b: 11 / 5.5 / 2 / 1 Mbps

Standards

IEEE802.11b/g

Power Requirements

Power Supply: 100-240VAC 50/60Hz

EZ3+15: 18VDC/0.8A

Regulatory Certifications

FCC Part 15 / UL

RF Frequency Band

2400 ~ 2497 MHz

Media Access Protocol

Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)

Modulation Technology

Direct Sequence Spread Spectrum (DSSS)

802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)

802.11b: DSSS (CCK, DQPSK, DBPSK)

Operating Channels

11 for North America, 14 for Japan

Receive Sensitivity (Typical)

802.11g: -73 +2dBm @ 54Mbps

802.11b: -84 + 2dBm @ 11Mbps

Available Transmit Power

802.11g: 50, 100mW

802.11b: 100, 150, 200, 250mW

Note:

- All shipments F.O.B. Draper, UT 84020
- **EZ3+15** carries a 1 year warranty

Antenna

15dBi Panel Antenna, 35deg Beamwidth, >18dB front to back

Network Topology

Ad-Hoc, Infrastructure

Operation Mode

AP Client , AP Client Router, Wireless Access Point, Wireless Router, WDS, AP+WDS, Universal Repeater

Interface

10/100Mbps RJ-45 LAN Port

IP Auto Configuration

DHCP Server or Client

Security

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

Management Configuration

Web-based configuration (HTTP)

Console configuration (SSH / Telnet)

SNMP Protocol

Firmware Upgrade

Upgrade firmware via web browser

Antenna Physical Dimensions (L x W x D)

273mm x 273mm x 76mm

10.8" x 10.8" x 3"

Complete System Weight

1.5 kg (3.25 lbs)

Temperature Range

Operating: -30°C to 50°C (-22°F to 122°F)

Storage: -40°C to 70°C (-40°F to 158°F)

Package Contents :

EZ3+ 15	Mounting Brackets	PoE Injector	Power Supply
			