

BZ100-BGN

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Outdoor Wireless Multimedia Access Point



Key Highlights

- Outdoor Wireless Backhaul system and Subscriber system based on MIMO technology
- High data rate up to 150 Mbps
- Outdoor Unit (ODU) with integrated PoE support
- Complete Management with SNMP, CLI (Telnet) and Web Server
- Near-Line of Sight (NLOS) and Line of Sight (LOS) deployments with high penetration level
- Comprehensively managed by SMART Controller and Service Management Gateway
- Powered by TrueEXOR™ (for NLOS Capability), FastEXOR™ (for high throughput) and PowerFLEX™ (Power variants on a system level basis) technologies

Product Description

BZ100-BGN is an Enterprise Class SMART MIMO outdoor Access System for Hotspot WDS, Campus Connectivity and Point-to-Multipoint (PMP) Subscriber Radio Units.

BZ100-BGN product suite efficiently addresses Hotels, Educational Institutes and Enterprises requiring deployment of high capacity Hotspot connectivity solutions using advanced MIMO techniques.

Typical Applications

Providing Internet access to Hospitality (Hot-Spot) and Campus/Enterprise Customers

Short range Point-to-Point and Point-to-Multipoint connectivity for Multimedia Applications





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Product Specifications

Configuration

Part Numbers and variance BZ100-BGN

Radio

Frequency Range 2.412 - 2.484 GHz

Data Rate Physical data rate up to 150 Mbps

Channel Bandwidth 20MHz, 20/40MHz, 40MHz

Duplex Technology TDD

Modulation OFDM

System Transmit Power (± 2 dB) HT20 - 11b/gmode 20dBm@MCS15,23dBm@MCS0

Receiver Sensitivity 11b/g- HT20-(-75dBm@MCS15), HT40(-71dBm@MCS15)

Integrated Antenna 14dBi

Network Interface

Interface type 1 x 10/100 /1000Mbps Ethernet Port Auto MDI/MDI-X support

Framing / Coding IEEE 802.3u

Flow Control IEEE 802.3x

Infrastructure Management

Security 64/128 bit WEP data encryption MAC address Filtering , MAC address filtering , WPA-EAP , WPA2- EAP , WPA - PSK , WPA2-PSK , 802.1x ,User Authentication , AES , SSID Broadcast Disable function , multiple SSID

Device Management Web server, Telnet/SSH, SNMP

Software Management Remote firmware up-gradation through Telnet/SSH

Wireless Configuration Access point, Station, Station WDS, Access Point WDS, Repeater,

Diagnostics Wireless Scanning

Electrical & Physical Specification

Power Feeding 802.3af

Approximate Dimension L x W x H (Inches) 10.6" X 5.5" X 10.4"

Mounting Pole or Mast

Environmental Specification

Outdoor Unit Enclosure Weather proof casing

ODU Operating Temperature -20°C to 70°C (-4F to 158F)

Humidity Up to 95% (non-condensing)

Certification And Compliancy

FCC, CE Mark

