

# BZ50-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 300 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 BZ Service Management Gateway



### Product Description

BZ50-BGN is an Enterprise Class SMART MIMO outdoor Access System for Hotspot WDS, Campus Connectivity and Point-to-Multipoint (PMP) Subscriber Radio Units.

BZ50-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 BZ50-BGN

### Radio

Frequency Range 2.412 - 2.472 GHz

Data Rate Physical data rate up to 300 Mbps

Channel Bandwidth 20MHz,40MHz

Duplex Technology TDD

Modulation OFDM

System Transmit Power ( ± 2 dB) HT20 - 11b/g mode 23dBm@MCS15,27dBm@MCS0

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

Integrated Antenna 14dBi

### Network Interface

Interface type 1 x 10/100 Mbps 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

VLAN 4 MSSID (per radio) with 802.1Q(VLAN)

Device Management Web server, Telnet/SSH, SNMP

Software Management Remote firmware up-gradation through Telnet/SSH

Wireless Configuration Wireless AP, Gateway, WISP, Repeater,

Diagnostics Wireless Scanning

### Electrical & Physical Specification

Power Feeding 48V PoE

Approximate Dimension L x W x H (Inches) 257mm X 87mm X 38mm

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

