

## AC 100-BGN-CZ

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Outdoor Wireless Multimedia Backhaul systems and Subscriber Units

### 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 Brovis 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

AC 100-BGN-CZ is an Enterprise Class SMART MIMO Outdoor Access System for Hotspot WDS, Campus Connectivity, Point-to-Point (PTP) backhaul systems and Point-to-Multipoint (PMP) Subscriber Radio Units which is IEEE 802.11n standards based product.

AC 100-BGN-CZ product suite efficiently addresses full Service Providers, WISPs and Enterprises requiring deployment of short range, medium range and high capacity connectivity solutions using advanced MIMO techniques.

### Typical Applications

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

Broadband Access Solutions: Full Service Providers and WISPs can provide leased line solutions to SOHO and SMEs

Providing Internet access to hospitality (Hot-Spot) and MTU/MDU customers





# AC 100-BGN-CZ



## Product Specifications

### Configuration

Part Numbers and variance AC100-BGN-CZ

### Radio

Frequency Range	2.4 - 2.484 GHz
Date Rate	Physical data rate up to 150 Mbps
Channel Bandwidth	5 MHz/ 10 MHz/20MHz/ 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 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
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 WDS, Station + Router , Access Point + Router
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

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