

BZ-SMART SERIES

BZ700-BGN-4G-PLUS

Next Generation SMART Industrial 4G Access Point Router Appliance

Key Highlights

- Industrial High Performance SMART MIMO Access Point Router with Dual SIM 4G/LTE
- High Gain Antenna for all Wireless Interfaces
- High Data Rate : High Performance WiFi and 4G/LTE upload / download speeds
- Dual active SIM with Load balancing
- Support all Cellular Carriers and High Capacity up to 40 to 60 Concurrent Sessions
- Managed and Unmanaged Versions



Product Description

BZ700-BGN-4G-PLUS is a new class of Industrial Grade High Performance Router embedded with dual active SIMcard interfaces and load balancing capabilities. The product ensures ultra-reliable operations in harsh environments with proven cellular backhaul interface from distant locations or fast moving transport vehicles. The products provide multiple Ethernet options and super processing speeds for high throughput performance combined with flow control, VPN and advanced security features.

BZ-SMART Industrial Grade High Performance WiFi/4G Access Point Router ensures rich features, high WiFi coverage for connecting multiple IOT devices and reliable long distance

Typical Applications

- Bus Hotspot Services
- Remote connectivity of Office Branch Locations, ATMs, retail outlets, vending machines
- Remote Equipment Monitoring using IOT sensor/gateway connectivity (Factory IOT, Energy IOT and Large Campus IOT applications)





BZ700-BGN-4G-PLUS

Product Specifications

Configuration

Architecture BZ700-BGN-4G-PLUS

Radio

Frequency Range (WiFi) 2.412 - 2.472 Ghz

Data Rate Physical Data Rate : 150Mbps

Channel Bandwidth 20MHz / 40MHz

Duplex Technology TDD

Modulation OFDM - BPSK / QPSK / 16QAM / 64QAM DSSS - CCK

System Transmit Power (± 1.5 dBm) HT40 - 11n mode -20dBm, 11g- 22dBm, 11b- 26dBm

Receiver Sensitivity < -72dBm@54Mbps

Cellular

SIM Dual SIM GSM/4G/LTE

Network Interface

Interface type WAN 1x 10/100 Mbps, LAN 4x 10/100 Mbps

Cellular Interface 4G/LTE, other standard Protocols

Infrastructure Management

Security MAC address Filtering,
WPA - PSK,WPA2-PSK, AES, SSID
Broadcast Disable function

VLAN 802.1Q(VLAN)

Device Management Web server

Wireless Configuration Access point, Client, Repeater, Repeater Bridge

Input

Input/Output (6) pin 3.5mm terminal block
(2) DI, (1) DO, (1) Relay
Input ON Voltage: 5 to 30 VDC
Input OFF Voltage: 0 to 3 VDC
Output < 50mA @ 30VDC

Electrical and Physical Specifications

DC Jack 12V/1.5A

Power Supply DC 5~36V

Mounting Desktop

Dimensions 134.8x115.7x45 mm

Environmental Specifications

Operating Temperature -35°C to 75°C (-31°F to 167°F)

Humidity Up to 95% (non-condensing)

Certification And Compliancy

FCC, CE Mark

