# BEC 4000
## AX3000 Dual Band Wi-Fi6 Mesh Router
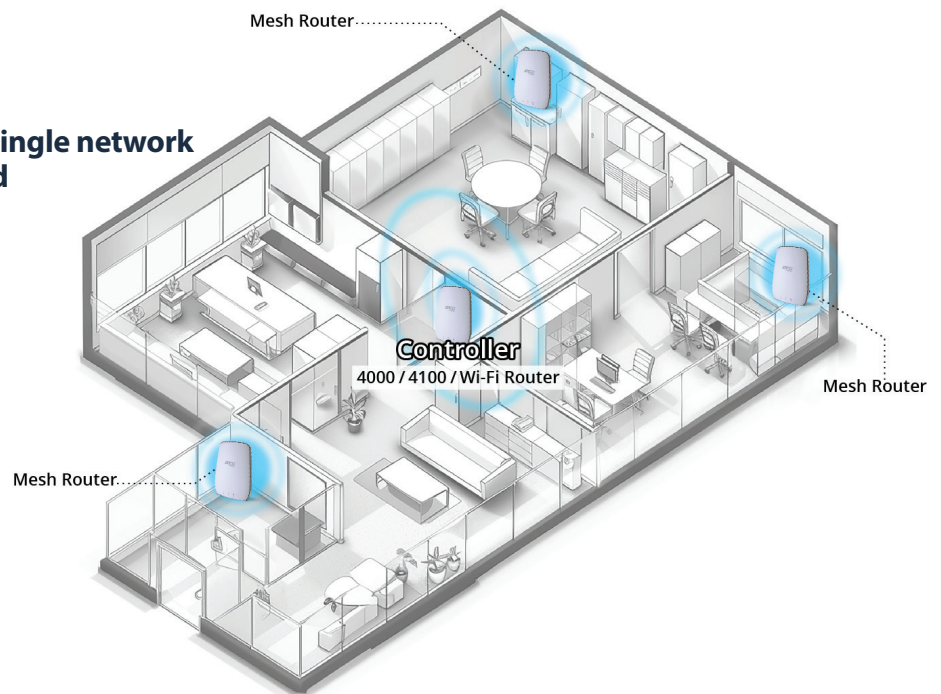
**BEC**
*by BILLION*®

BEC 4000 is a high-performance Wi-Fi6 mesh router, supports MU-MIMO allowing multiple devices to access the network at the same time with equal and full speed, ensure the simultaneous and stable connection of multiple devices.

BEC 4000 provides gigabit network interface, supports 2.4G and 5G wireless network, wireless transmission rate can reach up to 3000Mbps, and supports rich software features, as a new generation of Wi-Fi6 products, for enterprises and families better online experience.

### Move freely from room to room on a single network with WiFi Mesh Routers uninterrupted

- **Avoid Downtime**
- **Easy Installation**
- **Increase Efficiency**
- **Expand Reception**

Mesh Router

Controller
4000 / 4100 / Wi-Fi Router

Mesh Router

Mesh Router

## Key Features

- Full compliant with IEEE802.11a/b/g/n/ac/ax
- Smart Mesh networking
- Complies with IEEE802.11k/v/r
- EasyMesh is a scalable system, whole-home coverage and a consistently strong signal, without limited coverage or disconnection
- Dual-band OFDMA allowing for a higher density of simultaneous users
- Support MU-MIMO, simultaneous connection of multiple devices
- Support WPA3, and the latest and most advanced Wi-Fi security protocol
- Support WPS allow access to your home network more safely and easily
- 2400Mbps on 5GHz and 600Mbps on 2.4GHz band for total 3000Mbps simultaneously
- Using a centralized management backstage, you can easily manage all mesh grid nodes and set different network rules for devices accessing the network, such as guest network, parental controls, Qos
- Intelligent beamforming delivers highly targeted and efficient Wi-Fi connection
- Wireless roaming helps users auto switch to stronger signal source

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## Specifications

### Basic Parameters

| | |
|---|---|
| Chipset | BCM6756+BCM53134 |
| CPU | Quad Core A7 1.7GHz, DMIPS 12600 |
| DRAM | DDR3 256MB |
| Flash | 128MB |
| Standards | IEEE802.11a/n/ac/ax @5GHz, IEEE802.11b/g/n/ax @2.4GHz |
| Signal Rate | 5GHz (2x2): Up to 2400Mbps, 2.4GHz (2x2): Up to 600Mbps |
| Wireless Security | WPA2-PSK, WPA3-SAE, WPA2-PSK/WPA3-SAEencryption |

### Hardware

| | |
|---|---|
| Interface | 1 x 10/100/1000 Mbps WAN Port<br>3 x 10/100/1000 Mbps LAN Port<br>1 x DC Port |
| Button | WPS/Mesh Button, RESET Button |
| Power Supply | DC 12V1A |
| Antenna | 4 x 3 dBi Internal antennas |
| LED | PWR, Wi-Fi, WPS/Mesh |
| Dimensions | 140mm*53mm*180mm(L*D*H) |

### Environment

| | |
|---|---|
| Operating Temperature | 0°C~40 °C |
| Storage Temperature | -40°C~70°C |
| Relative Humidity | 10%~90%, non-condensing |
| Storage Humidity | 5%~95%, non-condensing |

### Software Features

| | |
|---|---|
| WAN Type | Dynamic IP/ Static IP/ PPPoE |
| DHCP | Server, Client, DHCP Client List, Address Reservation |
| Quality of Service | WMM, Bandwidth Control |
| Port Forwarding | Virtual Server, Port Triggering, UPnP, DMZ, DDNS |
| Access Control | Parental Control, Local Management Control, Access Schedule, Black List |
| Firewall Security | DoS, IP Address Filter/MAC Address Filter/Website Filter, AP Isolation |
| Internet Protocol | IPv4, IPv6 |
| Management | Access Control, Local Management, Remote Management, TR-069, |
| Mesh | IEEE802.11k/v/r, Network Topology, EasyMesh, Seamless Roaming |
| Wireless | Guest Network, Timing Off, Multi - frequency integration, MU-MIMO, Hidden SSID, WPS |
| Device Management | Reboot, Restore Factory, Beckup/Restore, Timing Reboot, Firmware Upgrade |
| Monitoring | CPU Utilization, CPU Temperature, Memory Utilization, Flow, Upload/Download Rate |
| Other | NAT, Indicator switch, System Log, Speed Test, Channel analysis, Signal Power Regulation |

### Package Contents

| | |
|---|---|
| Power Adapter | 1 x Power Adaptor |
| Router | 1 x Wi-Fi Router |
| User Manual | 1 x Quick Installation Guide |
| Accessories | 1 x Ethernet Cable |

## Connection