

Mesh Router ID6

Customer Premise Equipment Datasheet

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INTRODUCTION

The Baicells Mesh Router ID6 is an on-premise Wi-Fi 6 Access Point (AP) that provides comprehensive routing capabilities to multiple users accessing the Internet through the Baicells Simple Network Access Point (SNAP) Power over Ethernet (PoE) router.

A mesh network can be set up to cover an entire house with reliable, high-speed Wi-Fi in a few easy steps.

The Mesh Router ID6 supports 2.4 GHz and 5 GHz Wi-Fi standard.

The product has a standard one-year warranty.

Contact a Baicells representative for more information:

- Email sales_na@baicells.com for North America.
- Email contact@baicells.com for all other regions.

HIGHLIGHTS

NOTE: Features can vary based on model or region.

- Standard IEEE 802.11a/b/g/n/ac/ax Wi-Fi operating in dual-band (2.4 GHz and 5 GHz) mode
- Peak rates of 574 Mbps at 2.4 GHz and 2.4 Gbps at 5 GHz
- 1 Gigabit WAN/LAN port and 3 Gigabit LAN ports
- EasyMesh function
- Wireless access with Baicells SNAP router
- Supports TR-069 network management protocol
- User-friendly LED status indicators
- Embedded Zigbee* and Bluetooth Low Energy (BLE) function
- Supports Alexa*

**Planned for future release*

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TECHNOLOGY

Standard	IEEE 802.11 a/b/g/n/ac/ax
Channel Bandwidth	20 MHz, 40 MHz, 80 MHz, 160 MHz
Frequency	2.4 GHz and 5 GHz dual-band support
MIMO	2x2
Peak Rate	802.11b: 11 Mbps 802.11g: 54 Mbps 802.11n: 300 Mbps 802.11ac: 866 Mbps 802.11ax 5 GHz: 2400 Mbps 802.11ax 2.4 GHz: 574 Mbps
Modulation	DSSS, CCK, OFDM, MIMO-OFDM
Sensitivity	802.11b/g: -91 dBm @ 1 Mbps, -90 dBm @ 5 Mbps, -87 dBm @ 11 Mbps 802.11a: -89 dBm @ 6 Mbps, -82 dBm @ 24 Mbps, -78 dBm @ 36 Mbps, -72 dBm @ 54 Mbps 802.11n: -85 dBm @ MCS0), -67 dBm @ MCS7) 802.11ac: 20 MHz: -85 dBm (MCS0), -60 dBm (MCS9) 802.11ac: 40 MHz: -82 dBm (MCS0), -57 dBm (MCS9) 802.11ac: 80 MHz: -79 dBm (MCS0), -53 dBm (MCS9) 802.11ax: HE80: -79 dBm (MCS0), -53 dBm (MCS9), -50 dBm (MCS11) 802.11ax: HE160: -76 dBm (MCS0), -50 dBm (MCS9), -47 dBm (MCS11)
Max Output Power	24 dBm x 2
Antenna Type	Internal omni, 2T2R
Antenna Gain	5 dBi (for 2.4 and 5 GHz)
Active Users	128

INTERFACE

WAN Port	1 RJ-45 port 10/100/1000 auto-sensing, auto-MDX
LAN Port	3 RJ-45 port 10/100/1000 auto-sensing, auto-MDX
Protocols Used	IPv4/IPV6, UDP, TCP, IP, ICMP, HTTPS
Network Management	Web GUI
VLAN	802.1Q

FEATURES

Network Mode	NAT, Bridge, or Wireless Relay
IP Protocol	IPv4/IPv6
Network Connection	DHCP, Static
WLAN	WPS, Wireless Roaming, 5G Priority

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Firewall	ACL, URL, MAC, Schedule
Network Management	WebUI, TR-069*, Alexa*, app for iOS and Android phone*
Diagnostics	Ping, TraceRoute, DNS lookup
Statistics	• RAM utilization • Online user • Device running time • SSID configuration • Port status
Maintenance	• System time • Login management • Configuration management • LED setting • System upgrade • Reboot
System Logs	Device status, client status, configuration change, user login
Network Mode	NAT, Bridge, or Wireless Relay
IoT	Zigbee* and BLE

*Planned for future release

PHYSICAL

LED Indicators	Power, WLAN, LAN, WIFI, WPS
Power Switch	On/Off
Restore Button	Press for 5 seconds to restore the CPE to its factory settings
WPS Button	Press 2 seconds to open Wi-Fi Protected Setup (WPS)
Temperature	• Operating Temperature: 23°F to 113°F / -5°C to 45°C • Storage Temperature: -40°F to 158°F / -40°C to 70°C
Humidity	5% to 95%
Power Consumption	<15 W
Power Supply	With DC Adaptor: • INPUT: 100 VAC to 240 VAC • OUTPUT: 5 VDC 3 A
Weight	TBD
Dimensions	TBD

MODEL NUMBER

ER3560	Mesh Router ID6 - IEEE 802.11a/b/g/n/ac/ax Wi-Fi, 2.4 GHz/5 GHz dual-band, mesh network, 1 parent node + 1 child node • FCC certification: TBD • IC certification: TBD
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