Berri-6 AX1800 Mesh Router
Dual Band 1.8 Gbps 802.11ax Router

OVERVIEW

Berri-6 AX1800 Mesh Router adopts Wi Fi 6 802.11ax technology for faster speeds, greater capacity and reduced network congestion compared to the previous generation. It achieves a total networking speed of upto 1.8 Gbps: 1.2 Gbps on the 5GHz band and 0.5 Gbps on the 2.4GHz band, which is an excellent network speed that delivers data heavy activities including video conference calls, 8K movie watching, online gaming, etc.

It provides an excellent Wireless Range Coverage with its four 5dBi Omni Directional Internal Antennas. Multiple antennas form a signal-boosting array to cover more directions and large areas. Beamforming Concentrates wireless signal strength towards clients to expand WiFi range. High Wireless Capacity Dual-Band Allocate devices to different bands for optimal performance. DFS Access an extra band to reduce congestion 2X2 Streams Connect your devices to more bandwidth

PRODUCT FEATURES

- Supports 80MHz bandwidth and 1024-QAM for much faster wireless connections.
- Supports MU-MIMO & OFDMA technique to simultaneously communicate with multiple devices in a very effective way.
- Achieves a total networking speed of about 1774Mbps: 1201 Mbps on the 5GHz band and 573 Mbps on the 2.4GHz band.
- Provides 1 x Gigabit WAN + 4 x Gigabit LAN (1000Mbps) for high-speed wired Internet.
- Supports one USB port to access your stored media such as photos and music.
- Features four 5dBi internal antennas that are omni-directional and powerful copper material.
- Protects network security with up to WPA2/WPA3-PSK MIX.
- Support IPV4 / IPV6.
- Easy set up in minutes with App, easily manage WiFi settings and monitor data usage.
- Compatible with our AX1800 Mesh cuBIT WiFi systems for seamless roaming and whole-premise coverage.

ORDERING INFORMATION

9170-00-10	EION Berri-6 AX1800 Mesh Router

RADIO SPECIFICATIONS

Standard	IEEE 802.11ax/ac/n/a 5 GHz IEEE 802.11n/b/g 2.4 GHz
Frequency Range	5GHz and 2.4GHz
Channel Size	20 MHz; 40 MHz (802.11n) and 40 MHz 802.11ax for 2.4 GHz 20 MHz, 40 MHz (802.11n/ac/ax), 80 MHz and 160 MHz (802.11ac/ax) auto switching
Ethernet Port (RJ45)	1 x 10/100/1000Mbps WAN port 2 x 10/100/1000Mbps LAN port
Antenna	Omni-Directional - 2 x 5dBi 2.4GHz antennas and 2 x 5dBi 5GHz antennas
USB	1 x USB port for file sharing
LED	1 x WiFi 1 x WAN 4 x LAN 1 x Power 1 x Status
Speed	Total: upto 1.8 Gbps. 5GHz: upto 1201 Mbps and 2.4GHz: upto 573 Mbps
External Reset Button	Yes. External Reset/Pair Button

NETWORK SPECIFICATIONS

Network Connection	1 x 10/100/1000Mbps WAN port ; 4 x 10/100/1000Mbps LAN port
Operation Mode	Router; Mesh Extender; AP
Wireless Security	Open WPA2-PSK WPA2/WPA3-PSK MIX
WAN Type	Dynamic IP, Static IP, PPPoE, PPTP, L2TP
Backhaul	Wireless and Ethernet Backhaul
DHCP	Static IP DHCP Client List DHCP Server
Concurrent users	64 concurrent users in theory, 20-25 concurrent users in practice, depends on data traffic.
Guest Network	1× 5 GHz Guest Network
Protocols	IPV6 & IPV4
Seamless Roaming	802.11k/v
Enhanced Control	• WiFi time ON/OFF Support to save energy • Client isolation support to improve wireless stability • Support RF Power adjustment based on the environment
VPN Server	No
Parental Controls	WIFI TIME schedule
Quality of Service	QoS by Device
Cloud Service	Auto Firmware Upgrade, OTA Firmware Upgrade, DDNS
NAT Forwarding	Port Forwarding, DMZ, UPnP
IPTV	IGMP Proxy IGMP Snooping Tag VLAN
DDNS	NO-IP Oray
Network Security	SPI Firewall, Access Control, IP & MAC Binding Web Site Blocker DDoS Attack Prevention
Device Management	Local Web Management

	Cloud Management with APP (iOS9.0 or higher, Android 4.4 or higher) Webpage (Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser)
WiFi Reception Sensitivity	5GHz: 11n HT20_MCS0: -91dBm, 11n HT20_MCS7:-72dBm 11n HT40_MCS0: -88dBm, 11n HT40_MCS7:-69dBm 11ac VHT20_MCS0: -90dBm, 11ac VHT20_MCS8:-67dBm 11ac VHT40_MCS0: -87dBm, 11ac VHT40_MCS9:-63dBm 11ac VHT80_MCS0: -84dBm, 11ac VHT80_MCS9:-59dBm 11ax HE20_MCS0: -98dBm, 11ax HE20_MCS11:-66dBm 11ax HE40_MCS0: -95dBm, 11ax HE40_MCS11:-63dBm 11ax HE80_MCS0: -92dBm, 11ax HE80_MCS11:-60dBm 2.4G: 11n HT20_MCS0: -87dBm, 11n HT20_MCS7:-69dBm 11n HT40_MCS0: -84dBm, 11n HT20_MCS7:-66dBm 11ax HE20_MCS0: -95dBm, 11ax HE20_MCS11:-61dBm 11ax HE40_MCS0: -93dBm, 11ax HE40_MCS11:-60dBm

PHYSICAL, ELECTRICAL & ENVIRONMENTAL

Power Adaptor	input:100-240 Va.c. 50/60Hz DC 12V/1A
Size	Unit dimensions: With upright antennas: 23.7 x 14.5 x 20.5 cm. With folded antennas: 23.7 x 14.5 x 4.3 cm. Package dimensions: 24.7 x 21.3 x 6.3cm.
Weight	510g
Material	ABS Plastic
Enclosure	1 x Berri-6 AX1800 Router 1 x Power Adapter 1 x RJ45 Cable 1 x Quick Start Guide
Operating Temperature	-10 to 40°C
Humidity	Relative Humidity (Operational & Storage) 10%~90%, noncondensing