Berri-6 AX1800 Mesh cuBIT
Dual Band 1.8 Gbps Whole Premise Coverage

OVERVIEW

Berri-6 AX1800 Mesh cuBIT is an WiFi 6 802.11ax Mesh WiFi System offering an excellent smart solution for fast, seamless, wall-to-wall whole premise coverage with no dead zones. Each unit delivers data speeds up to 1800Mbps and provides seamless floor-to-floor roaming throughout your home. Each unit covers 1000-1500 sq. ft, while the 2-unit kit covers 2000-2500 sq. ft, and 3-unit kit covers 3000-3500 sq. ft (strategically placed based on the premise and coverage requirement). Each cuBIT unit can run as a mesh router or a mesh extender, making it much easier to set up and pair with each other. It adopts WiFi 6 (802.11ax) technology for faster speeds, greater capacity and reduced network congestion when compared to the previous generation.

The four 3dBi Omni Directional Internal Antennas provides an excellent wireless range and coverage. Multiple antennas form a signal-boosting array to cover more directions and large areas. Beamforming concentrates the wireless signal strength towards clients to expand WiFi range. High-Power FEM Improves transmission power to strengthen signal. 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 1775Mbps: 1201 Mbps on the 5GHz band and 574 Mbps on the 2.4GHz band.

- Supports wired connection of computers, game consoles, streaming players with two 1Gigabit Ethernet ports.

- Supports one USB2.0 port to access your stored media such as photos and music.

- Features four 3dBi internal antennas that are omni-directional and powerful copper material.

- Protects network security with up to WPA2/WPA3-PSK MIX.

- Support IPV4 / IPV6.

- Touchlink Feature: Shares WiFi with your guests in no time by simply touching on top of the router.

ORDERING INFORMATION

9170-00-20	EION Berri-6 AX1800 Mesh cuBIT 1Pack

RADIO SPECIFICATIONS

Wireless 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 3dBi 2.4GHz antennas and 2 x 3dBi 5GHz antennas
USB	1 x USB port for file sharing
LED	1 x WAN 2 x LAN
Speed	Total upto 1.8 Gbps 5GHz: upto 1201 Mbps, 2.4GHz: upto 574 Mbps
External Reset Button	Yes. External Reset/Pair Button

NETWORK SPECIFICATIONS

Network Connection	1 x 10/100/1000Mbps WAN port ; 2 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	Address Reservation DHCP Client List
Concurrent users	Upto 64 concurrent users
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 later, Android 4.4 or later) • Webpage (Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser)

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WiFi Receiver 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/1.5A
Size	Unit dimensions : 125 x 134 x 115.5mm (L x W x H) Package dimensions: 22.3 x 14.7 x 12cm
Weight	400g
Enclosure	ABS Plastic.
Box Contents	1 x Mesh cuBIT 1 x Power Adapter 1 x RJ45 Ethernet Cable Quick Installation Guide
Operating Temperature	-10 to 40°C
Humidity	Relative Humidity (Operational) 10%~90%, noncondensing Relative Humidity (Storage) 10%~90%, noncondensing