

Datasheet

Wi-Fi 7 BE9600 Tri-Band Router

WI-WR796-BE



Features

Wi-Fi 7 BE9600 Ultra-Fast Performance

1030Mbps on 2.4 GHz + 2880Mbps on 5 GHz + 5760 on 6 GHz.

10GE WAN Ethernet Port

Blazing-Fast wired connectivity enhances overall network performance.

MU-MIMO and OFDMA

With MU-MIMO and OFDMA technology, ensures multiple simultaneous terminals online.

4K-QAM

Boosts the peak rates to increase throughput and capacity.

320GHz Channel Width

Double the width, double the speed.

MLO

Enables higher throughput, lower latency and more stable connections.

Band Steering

Preventing one band from becoming overloaded and enhance network performance.

EasyMesh Technology

Create seamless mesh network for better experience.

Note: Only mesh pairing between the same model is supported.

Beamforming Technology

Improving Wi-Fi coverage and network performance by shaping a directional WiFi signal aimed at a WiFi client based on the client's location.

Easy Remote Management

Supports TR069, easy to configure and manage remotely.

Specifications



Model	WI-WR796-BE
Hardware Features	
Hardware Version	V1.0
Chipset	BCM6765+ BCM6711A0KEFBG
CPU frequency	Quad-Core, 2.0-GHz
Memory	512MB DDR
Flash	256M NAND
Interface	4x RJ45 10M/100M/1000M LAN Ethernet 1 x RJ45 100M/1000M/2.5G /5G/10G WAN Ethernet 1 x WPS button 1 x reset button 1 x USB3.2 (optional) 1XRJ11(optional)
Power Supply	12V/2.5A
Wireless Features	
Standards	IEEE 802.11a/b/g/n/ac/ax/be
Frequency	2.4G: 2.4~2.4835GHz 5G: 5.150GHz~5.825GHZ 6G: 5.925~7.125Ghz *Please follow national regulations to select the appropriate frequency.
Data Rates	2.4GHz: up to 1030Mbps 5GHz: up to 2880Mbps 6GHz: up to 5760Mbps
MIMO	2.4GHz: 3x3 MIMO 5GHz: 2x2 MIMO 6GHz: 2x2 MIMO
Antenna	2.4GHz: 3 x 3dBi Internal 2.4G antenna 5GHz: 2 x 5dBi Internal 5.8G antenna 6GHz: 2 x 5dBi Internal 6G antenna

Model	WI-WR796-BE
Modulation schemes	OFDM – BPSK,QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM
	DSSS – DBPSK, DQPSK, CCK
Transfer Rate	EHT20: up to 1236Mbps 2.4G+5G+6G EHT40: up to 2470Mbps 2.4G+5G+6G EHT80: up to 2880Mbps 5G+6G EHT160: up to 5760Mbps 5G+6G EHT320: up to 5760Mbps 6G
Software Features	
General Protocols	<p>Wireless main Protocols: IEEE 802.11a/b/g/n/ac/ax/be IEEE 802.11h(dfs) IEEE 802.11e(wmm) IEEE 802.11k/v/r</p> <p>Network main Protocols RFC0768 UDP RFC0791 IP RFC0792 ICMP RFC0793 TCP RFC0826 Ethernet ARP RFC0894 IP over Ethernet RFC0922 Broadcasting Internet Datagrams RFC0950 Internet Standard Subnetting IEEE802.3 Ethertype IEEE802.1p RFC2516 PPP Over Ethernet (PPPoE) RFC1662 PPP in HDLC-like Framing RFC1332 PPP Internet Protocol Control Protocol RFC1042 Transmission of IP Datagrams over IEEE 802 Networks IPoE (a.k.a IP over Ethernet over AAL5)</p>
Network Features	IPv4/IPv6 dual stack 6RD IPoE Bridge Mode IPoE DHCP/Static PPPoE Dynamic/Static IPv6 Stateless/Stateful PPTP、L2TP GRE IPSEC VPN IGMP proxy and MLD for IPTV DNS Proxy DHCP server NAT,NAPT and ALG

Model	WI-WR796-BE
Wireless Features	<ul style="list-style-type: none"> Air Time Fair Auto Channel Band Steering Easy Mesh WPA3/SAE Security Embedded AP with 8 SSIDs on each Radio Separate authentication for each SSID
Other Features	<ul style="list-style-type: none"> QOS Flow Control Samba/DLNA/FTP NAT,NAPT and ALG DMZ and Port forwarding(Virtual server) SPI Firewall, Denial of Service (DoS) protection Port filtering, IP filtering and MAC filtering URL filter DDNS Static route SNTP Date/time update from Internet Time Server Diagnostics(Ping/TraceRoute) Logs and statistics Automatic timing restart
Management	<ul style="list-style-type: none"> WEB GUI Command line tools(telnet/ssh) TR-069 remote mangagment TR181/TR104/TR140/TR143/TR157(periodicstatistics) UPNP TR369
Environment Requirement	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 70°C
Operating Humidity	5% ~ 95% (typical)
EMC/Safety	
Regulation Compliance	CE
Safety Regulations	UL
Green Standard	RoHS



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Technical Support



Cloud Management



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