



Model: WR6500H

BE6500

Multi-Gigabit Dual Band
Wi-Fi 7 Mesh Router



[Datasheet](#)



Specifications

- Broadcom 2.0 GHz Quad-Core ARM-Cortex A7 CPU
- Warping Dual-Band BE6500 Wi-Fi 7
- 1× 2.5G WAN Port, 4× Gigabit LAN Ports
- External FEMs and 4T4R for Broader Wi-Fi Coverage
- 6× Fixed Antennas with Beamforming
- MLO, Puncturing, OFDMA, MU-MIMO
- VPN Server and Client
- IPv4/IPv6, TR069/TR098/TR181/TR111

Hardware Features

Processor	BCM6766+BCM53134O+BCM50901E
RAM / Flash	256 MB DDR3 RAM / 128 MB NAND Flash
Antennas	6× Fixed Omni-Directional Antennas
Ethernet Ports	1× 10/100/1000/2500 Mbps WAN Port
	4× 10/100/1000 Mbps LAN Ports
Buttons	Power On/Off Button, WPS Button, Reset Button
Power Supply	12 V / 1.5 A
Dimensions (W×D×H)	253×152.5×48.2 mm
	(9.96×6×1.9 inches)

Wireless Features

Wireless Standards	IEEE 802.11be/ax/ac/n/a 5 GHz
	IEEE 802.11be/ax/n/b/g 2.4 GHz
Wireless Frequency	5 GHz, 2.4 GHz
Wireless Bandwidth	20/40/80/160 MHz
Signal Rate	5760 Mbps (5 GHz)
	688 Mbps (2.4 GHz)
Transmit Power	CE: <20 dBm (2.4 GHz), <23 dBm (5 GHz)
	FCC: <30 dBm (2.4 GHz, 5 GHz)
Wireless Modes	Enable/Disable Wireless Radio, WMM
Wireless Security	WPA-PSK, WPA2-PSK, WPA3-SAE,
	WPA-PSK/WPA2-PSK, WPA2-PSK/WPA3-SAE
Other Features	MLO, DL/UL MU-MIMO, DL/UL OFDMA,
	Beamforming, Mesh



Software Features

WAN Type	Dynamic IP/Static IP/PPPoE
DHCP	Server, DHCP Client List, Address Reservation
Dynamic DNS	Compatible with 15 more DDNS Providers
Guest Network	1× 2.4 GHz Guest Network
	1× 5 GHz Guest Network
NAT	Port Forwarding, Port Triggering, UPnP, DMZ
VPN	PPTP/L2TP/IPSec/OpenVPN/WireGuard/ZeroTier
Working Mode	Wi-Fi Router/ AP/RE/ WISP/Mesh
CWMP Protocol	TR069 / TR098 / TR111 / TR181
ACS Server Compatibility	GenieACS, OpenACS
TTL	Extend/Spoof/Custom
DNS	Cloudflare/Google/Quad9/Custom
VLAN	Tag VLAN / IPTV
Internet Protocols	IPv4 / IPv6
IPv6	Relay
	Dynamic (SLAAC/DHCPv6)
	Static (Fixed IP)
	Passthrough
	MAP-E (Dual-stack)
	DS-Lite (Dual-stack)

Others

Package	Wi-Fi Router
Content	Power Adapter
	RJ45 Ethernet Cable
	Quick Installation Guide
Environmental Requirements	Operating Temperature: 0 °C ~ 40 °C (32 °F ~104 °F)
	Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F)
	Operating Humidity: 10% ~ 90% non-condensing
System Requirements	Storage Humidity: 5% ~ 90% non-condensing
	Systems with wireless or wired network connectivity
	Web browser, such as Edge, Firefox, Chrome, or Safari
	Internet access subscription with ISP