



Model: WR11000

BE11000

Multi-Gigabit
Wi-Fi 7 Mesh Router



[Datasheet](#)



Specifications

- Qualcomm 1.5 GHz Quad-Core 64-Bit Cortex-A53 CPU
- Waring Tri-Band BE11000 Wi-Fi 7
- High-Power External FEMs for Broader Wi-Fi Coverage
- 4× 2.5G Ethernet Ports for Multi-Gig Internet
- 6× Fixed Antennas with Beamforming
- Ultra-Wide 240/320 MHz Bandwidth
- MLO, Puncturing, OFDMA, MU-MIMO
- IPv4/IPv6, TR069/TR098/TR181/TR111

Hardware Features

Processor	Qualcomm IPQ5322 1.5 GHz Quad-Core CPU
RAM / Flash	512 MB DDR4 RAM / 128 MB NAND Flash
Antennas	6× Fixed Omni-Directional Antennas
Ethernet Ports	1× 10/100/1000/2500 Mbps WAN Port 3× 10/100/1000/2500 Mbps LAN Ports
Buttons	WPS Button, Reset Button
Power Supply	12 V / 2 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 6 GHz
	IEEE 802.11be/ax/ac/n/a 5 GHz
	IEEE 802.11be/ax/n/b/g 2.4 GHz
Wireless Frequency	6 GHz, 5 GHz, 2.4 GHz
Wireless Bandwidth	20/40/80/160/240/320 MHz
Signal Rate	5760 Mbps (6 GHz)
	4320 Mbps (5 GHz)
	688 Mbps (2.4 GHz)
Transmit Power	CE: <20 dBm (2.4 GHz), <23 dBm (5 GHz, 6 GHz)
	FCC: <30 dBm (2.4 GHz, 5 GHz), <25 dBm (6 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
	1 × 6 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	Operating Temperature: 0 °C ~ 40 °C (32 °F ~ 104 °F)
Requirements	Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F)
	Operating Humidity: 10% ~ 90% non-condensing
	Storage Humidity: 5% ~ 90% non-condensing
System	Systems with wireless or wired network connectivity
Requirements	Web browser, such as Edge, Firefox, Chrome, or Safari
	Internet access subscription with ISP



Model: M3600

BE3600

Gigabit Mesh Wi-Fi 7 System



[Datasheet](#)

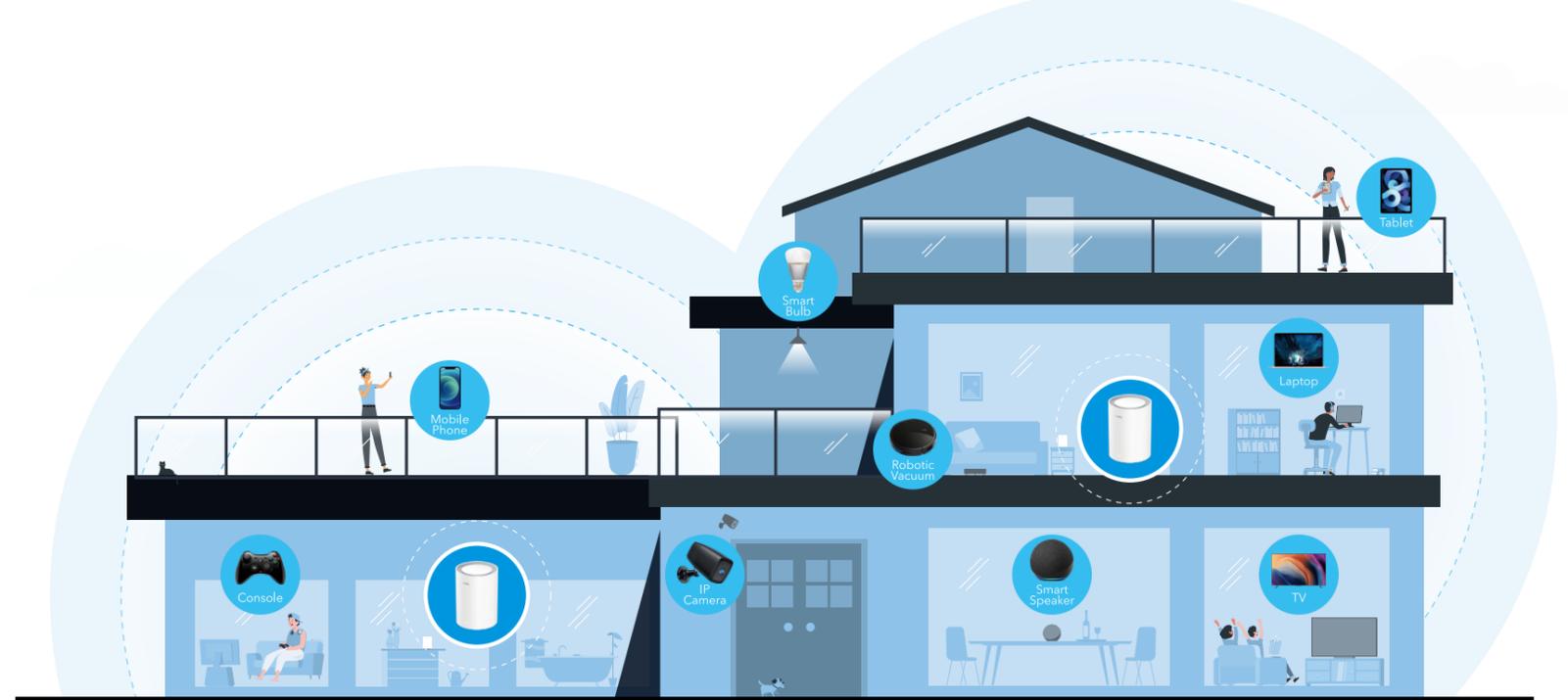


System LED



- WPS/Pair Button
- Reset Button
- Gigabit Ethernet Ports
- DC Jack

Super-Wide, Extra-Fast Wi-Fi 7 for Large Houses



Powerful Wi-Fi 7 Chip for Responsive Network

The next-gen Wi-Fi 7 Broadcom CPU with fabulous efficiency processes more tasks instantly, keeping network super-capable and responsive.

• 2.0 GHz Quad-Core

• ARM® Cortex-A7



Aggregated Speed. Blazing-Fast Wi-Fi.

MLO technology connects clients through multiple bands, and the 4K-QAM boosts speed by another 25%, delivering a total of 1.5X faster speed for smoother experience in larger homes.



↑
1.5X
Faster

Immersive Gaming with Lower Latency

Mesh system generates one unified Wi-Fi, seamlessly connecting your devices to the best available Wi-Fi node as you move around, providing a superior alternative to the traditional Wi-Fi router and repeater setup.

Versatile Management



Parental Control

Set up profiles with corresponding policies to establish a safer network for your loved ones.



VPN Client and Server

Connect and share a VPN or establish your own server to secure remote access.



IPTV

Includes Tag VLAN to support assigning IPTV/VoIP ports. IGMP snooping improves IPTV network efficiency.



IPv6

Support the IPv6 services by your ISP and browse the IPv6 websites with faster performance.



Cudy APP Control

Manage your network right on your phone. This device supports cloud remote management.



QoS

Set speed limits for certain clients to prioritize your gaming rigs and other important devices.



Highlights

A dual-band WiFi 7 router with an aggregate of 3.6 Gbps speed and three Gigabit ports, catering to large home with Gigabit Internet access.

- 4-Stream Dual-Band Wi-Fi 7
- 2882 Mbps + 688 Mbps Wi-Fi
- 3× Gigabit Ethernet Ports
- 200 Connected Devices
- Cudy Mesh, VPN Server and Client
- Cudy App, Cloud Control

Package Content

- M3600
- Power Adapter
- Ethernet Cable
- Installation Guide

Variants

- 1-Pack
- 2-Pack
- 3-Pack

Hardware Specs

CPU	Chipset	BCM6764
	CPU Details	2.0 GHz Quad-Core, ARM Cortex-A7
Memory /Storage	Flash/ROM	128 MB (1 Gbit) NAND
	DDR/RAM	512 MB (4 Gbit) DDR3L
Interfaces	Gigabit RJ45 Ports	3
	Ethernet Notes	1x WAN port, the rest are LAN ports
	LED	System Speed/Link/ACT of Ethernet Port
	Physical Buttons	WPS Button
		Reset Button
Power	Power Input	DC Jack
	Power Methods	DC
	DC	12V 1A
	Power Adapter	Input: 100~240 V, 50/60 Hz AC Output: 12V 1A DC
	Max Power Consumption (W)	9W
Reliability	Environment	Operating Temperature: 0 °C ~ 40 °C (32 °F ~ 104 °F)
		Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F)
		Humidity: 10% ~ 90% non-condensing
		Storage Humidity: 5% ~ 95% non-condensing
Certifications	FCC, CE	



Hardware Specs

Wireless	5 GHz Wi-Fi Speed	2880 Mbps
	2.4 GHz Wi-Fi Speed	688 Mbps
	5 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	Wi-Fi Antennas	4× Fixed
	5 GHz Antenna Gain Max	5.5dBi
	2.4 GHz Antenna Gain Max	5.4dBi
	FEM or PA/LNA	5 GHz: 2× External 2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 220 m (722 ft) Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec for placement suggestions.
	Wall Performance	Two wooden walls with thickness < 10 cm (4") One concrete wall with thickness < 20 cm (7") or two concrete walls with thickness < 10 cm (4")
	Multi-Pack Indoor Coverage	2 Pack: 200 m ² (2150 sq ft) 3 Pack: 270 m ² (2900 sq ft) Applied to wireless backhaul situation. Place in the center of each floor, with a maximum of three obstacles to each room.

Mechanical	Installation	Desktop
	Dimension	Φ110×154.5 mm Φ4.33×6.08 inches
Ordering Information	Retail Package Dimension	• 1-Pack: 145×130×265 mm 5.71×5.12×10.43 inches
		• 2-Pack: 330×130×265 mm 12.99×5.12×10.43 inches
		• 3-Pack: 380×130×265 mm 14.96×5.12×10.43 inches
	Units per Carton	1-Pack: 16 2-Pack: 8 3-Pack: 4
	Carton Dimension	• 1-Pack: 57×56×26 cm 22.44×22.05×10.24 inches • 2-Pack: 55×54.5×35.3 cm 21.65×21.46×13.9 inches • 3-Pack: 53.6×40×28.7 cm 21.1×15.75×11.3 inches



Software Specs

Wireless	Wi-Fi Standards	Wi-Fi 7
	Max Wi-Fi Modulation	4K-QAM
	Wi-Fi Efficiency	MLO
		MRU
		Puncturing
		OFDMA
		MU-MIMO
	BSS Color	
	Max Capacity	512
	Recommended Client UpperLimit	200
	Max Wi-Fi Channel Width	160 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz, 5 GHz
WPS	True	
General	Operation Modes	Wi-Fi Router
		Access Point
		Range Extender
		WISP
		Client
	Mesh	Cudy Mesh
Mesh Backhaul	Wireless Backhaul	
	Wired Backhaul	

General	Multi-Band Backhaul	true
	WAN Mode	DHCP
		Static IP
		PPPOE
		PPTP
Internet Failover Sequence	L2TP	
	WAN	
Network	WISP	
	QoS	Per-User Rate Limiting
		DHCP
	DHCP	DHCP Client List
		Server
		IP Versions
	IPv6 Protocols	Relay
		Dynamic(SLAAC/DHCPv6)
		Staic (Fixed IP)
		Passthrough
		464XLAT
IPTV/VLAN	MAP-E	
	DS-Lite	
	Bridge	
	Tag VLAN	



Software Specs

Network	IPTV/VLAN	VoIP VLAN
		IPTV VLAN
TTL Customization		Extend
		Spoof
		Custom
IGMP		IGMP Proxy
Forwarding		IGMP Snooping
		Port Forwarding
		Port Triggering
		UPnP
Firewall		DMZ
		SPI Firewall
		DoS Protection
Application Layer Gateway		Block PING
		IPSec Passthrough
		L2TP Passthrough
		PPTP Passthrough
		FTP Passthrough
		TFTP Passthrough
		H323 Passthrough
		SIP Passthrough
RTSP Passthrough		

Utilities	VPN Server	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
	VPN Client	L2TP
		WireGuard
		OpenVPN
		IPsec
		Zerotier
DNS Options	PPTP	
	L2TP	
	DNS over TLS	
	Manual DNS	
	Rebind Protection	
DNS over TLS Providers	Override Clients' DNS	
	Cloudflare	
	Google	
	Quad9	
Wake on LAN	Custom	
	True	
Online Detection	True	



Software Specs

Management	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
	Per-Devices Management	Intenet On/Off
		VPN On/Off
		Online Time Schedule
		Device Rename
	Content Management	Domain Filter
		IP Filter
	System	LED Control
Local Control Method		Config Web Page
		App Control
Remote Control Method		Config Page via HTTPS
		App Control
		TR069/TR098/TR111/TR181
Firmware Upgrade		Local Update
		App (Over the Air)
		Online Update
Reliability		Timed Reboot
	Backup and Restore	
Diagnostic Tools	Diagnosis	
	Ping	

System	Diagnostic Tools	Traceroute	
		NSLookup	
System Log			
Dashboard	Panel	Internet Status	
		Devices Management	
		WAN Status	
		LAN Status	
		Wi-Fi Status	
		VPN Status	
		DHCP Server Status	
		System Version	
		Charts	Mesh Topology
			Internet Speed
WISP Speed			
Wi-Fi Speed			
System	Languages	• English • Bengali • Catalan • Czech • German	
		• Greek • Spanish • French • Hebrew • Italian	
		• Croatian • Hungarian • Khmer • Korean • Dutch	
		• Japanese • Russian • Slovak • Swedish • Romanian	
		• Turkish • Vietnamese • Thai • Ukrainian • Polish	
		• Norwegian • Portuguese • Simplified Chinese	
		• Traditional Chinese	