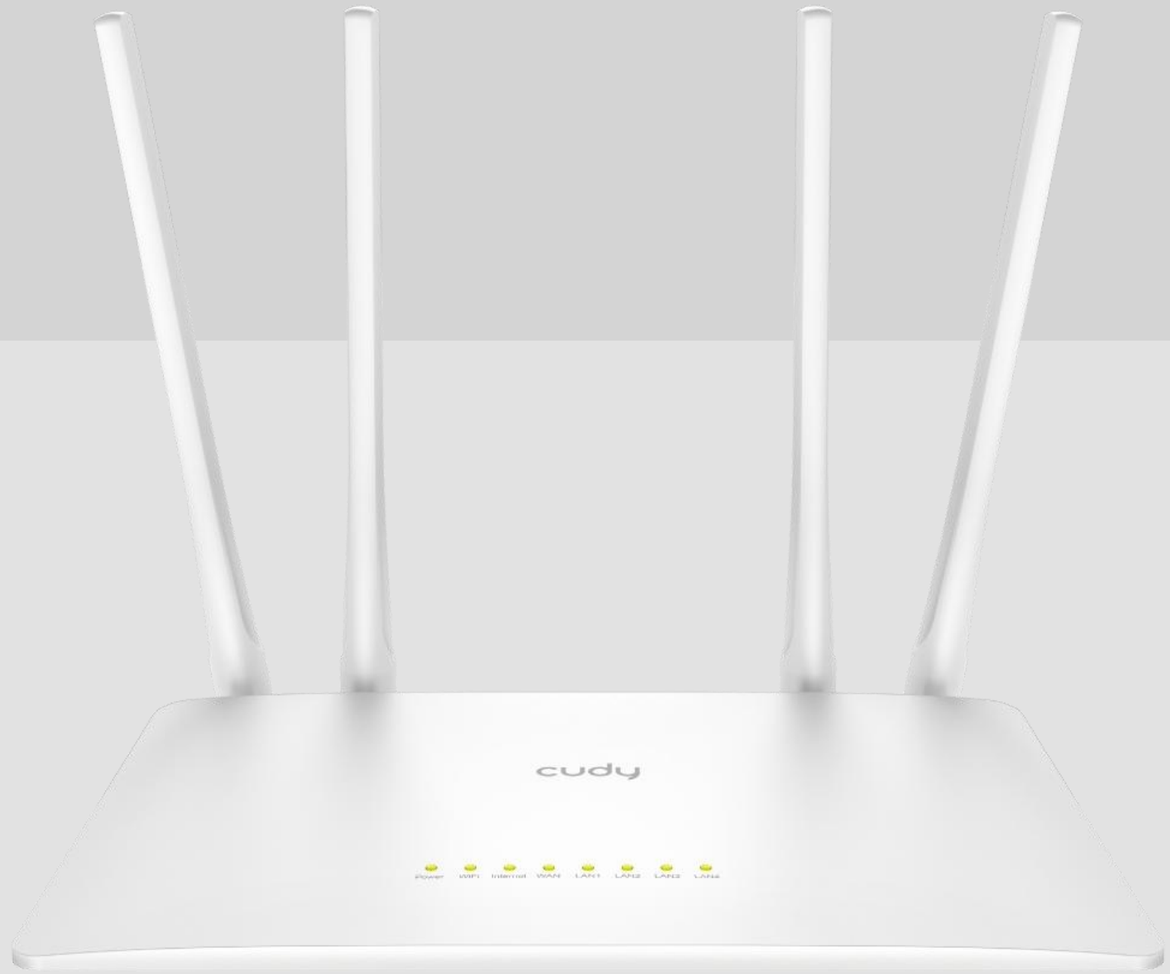
Model: WR1200 2.0

AC1200 Wi-Fi Router



Datasheet

Highlights

A dual-band WiFi router ideal for streaming smooth video playback with a maximum of 100 Mbps internet access, featuring MU-MIMO and App control.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 5× Fast Ethernet Ports
- 4× High-Gain Antennas
- 40 Connected Devices
- Covers 100 m² (1,100 ft²)
- Router/AP/RE/WISP/Client Modes
- Cudy App

Actual wireless data throughput will vary as a result of network conditions, client limitations, and environmental factors including building layout, obstacles, and client location.

Actual performance for multiple devices may be affected by the types of applications used, the total available bandwidth, and the capabilities of your devices. Connecting older Wi-Fi devices (legacy standards) may reduce overall efficiency. Additionally, using efficiency features requires compatible client devices that also support those features. Find more information about supported efficiency features in the software section of the Specs spreadsheet.

The wireless coverage claim serves as a reference only. Coverage performance will vary due to environmental factors including building layout, obstacles, traffic volume and density, and device location. For optimal coverage, please place the device in a central location within the area requiring Wi-Fi.

Package Content

- WR1200
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

Model Version	WR1200 2.0	
CPU	CPU Details	580 MHz Single-Core, MIPS24KEC
Memory/Storage	Flash/ROM	8 MB (64 Mbit) NOR
	DDR/RAM	64 MB (512 Mbit) DDR2
Wireless	5 GHz Wi-Fi Speed	867 Mbps
	2.4 GHz Wi-Fi Speed	300 Mbps
	5 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	4× Fixed
	Beamforming	True

Wireless	Range Performance	Max: 170 m (558 ft) Tested in open-space environments with minimal interference. Actual WiFi range may vary depending on layout and wall materials. Refer to the Wall Performance specifications for placement suggestions.
	Wall Performance	Two wooden walls with thickness < 10 cm (4'') One concrete wall with thickness < 20 cm (7'')
Interfaces	10/100 Mbps RJ45 Ports	5
	Ethernet Notes	1× WAN port, the rest are LAN ports
Buttons and LEDs	LED	Power, Internet, Speed/Link/ACT of Ethernet Port, Wi-Fi
	Physical Buttons	WPS Button, Reset Button
Power	Power Input Type	DC Jack

Hardware Specs

Power	Power Methods	DC
	Power Input	12V⎓1A
	Power Adapter In the Box	Input: 100-240V~, 50/60Hz Output: 12V⎓1A
Reliability	Environment	• Operating Temperature: 0 ℃ ~ 40 ℃ (32 ℉ ~104 ℉) • Storage Temperature: -40 ℃ ~ 70 ℃ (-40 ℉ ~ 158 ℉) • Humidity: 10% ~ 90% non-condensing • Storage Humidity: 5% ~ 95% non-condensing
Certifications	FCC, CE	
Mechanical	Installation	• Desktop • Wall-mount
	Dimension	Main Part: 220×135×30 mm 8.66×5.31×1.18 inches
	Product Weight	• EU: 259 g (9.14 oz.) • ZH: 258.8 g (9.13 oz.)

Package Content	• WR1200 • Power Adapter • Ethernet Cable • Installation Guide	
Ordering Information	Retail Package Weight	• EU: 651 g (22.96 oz.) • ZH: 625.0 g (22.05 oz.)
	Retail Package Dimension	290×250×64 mm 11.42×9.84×2.52 inches
	Units per Carton	16
	Carton Dimension	53.8×51.6×31.3 cm 21.18×20.31×12.32 inches
	Carton Gross Weight	• EU: 11.9 kg (26.23 lbs) • ZH: 11.2 kg (24.69 lbs)
	Carton Net Weight	• EU: 10.4 kg (22.93 lbs) • ZH: 10.0 kg (22.05 lbs)

Software Specs

Model Version	WR1200 2.0	
Wireless	Wi-Fi Standards	Wi-Fi 5
	Max Wi-Fi Modulation	256-QAM
	Wi-Fi Efficiency	MU-MIMO
	Wi-Fi Efficiency Note	MU-MIMO available on 5 GHz
	Max Capacity	128
	Recommended Client Upper Limit	40
	Wi-Fi Channel Width	Auto/20/40/80 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz, 5 GHz
	Separate Client	True
	WPS	True

General	Operation Modes	• Wi-Fi Router • Access Point • Range Extender • WISP • Client
	WAN Mode	• DHCP • Static IP • PPPOE • PPTP • L2TP
Network	QoS	Per-User Rate Limiting
	DHCP	• Address Reservation • DHCP Client List • Server
	IP Versions	IPv4/IPv6
	IPv6 Protocols	• Relay • Dynamic (SLAAC/DHCPv6) • Static (Fixed IP) • Passthrough • 464XLAT • MAP-E • DS-Lite

Software Specs

Network	Multicast	True
	IPTV/VLAN	• Bridge • Tag VLAN • VoIP VLAN • IPTV VLAN
	TTL Customization	• Extend • Spoof • Custom
	IGMP	• IGMP Proxy • IGMP Snooping
	Forwarding	• Port Forwarding • Port Triggering • UPnP • DMZ
	Firewall	• SPI Firewall • DoS Protection • Block PING

Network	Application Layer Gateway	• IPSec Passthrough • L2TP Passthrough • PPTP Passthrough • FTP Passthrough • TFTP Passthrough • H323 Passthrough • SIP Passthrough • RTSP Passthrough
Utilities	VPN Client	• OpenVPN • Wireguard • PPTP • L2TP
	DNS Options	• Manual DNS • Rebind Protection • Override Clients' DNS
	Wake on LAN	True
	Online Detection	True
Management	Parental Controls	• Profiles Settings • Offline Time • Online Time • Pause the Internet • Web Filter

Software Specs

Management	All Devices Management	• Wi-Fi Time Schedule • MAC Filter • IP/MAC Binding
	Per-Devices Management	• Internet On/Off • VPN On/Off • Online Time Schedule • Device Rename
	Content Management	• Domain Filtering • IP Filtering
System	Local Control Method	• Config Web Page • App Control
	Remote Control Method	• TR069/TR098/TR111/TR143/TR181/TR369 • Config Page via HTTP
	Firmware Upgrade	Local Update
	Reliability	• Timed Reboot • Backup and Restore

System	Diagnostic Tools	• Diagnosis • Ping • Traceroute • NSLookup • System Log
	Languages	• English • German • Spanish • French • Hebrew • Italian • Portuguese • Ukrainian • Russian • Korean
Dashboard	Panel	• Internet Status • Devices Management • WAN Status • LAN Status • WISP Status • Wi-Fi Status • VPN Status • DHCP Server Status • System Version

Software Specs

Dashboard	Charts	• Internet Speed • WISP Speed • Wi-Fi Speed