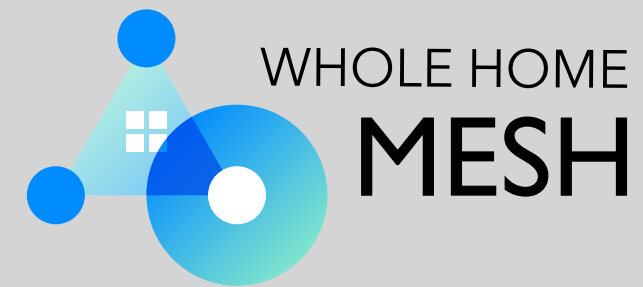


Model: WR1300

# AC1200

Gigabit Mesh Wi-Fi Router

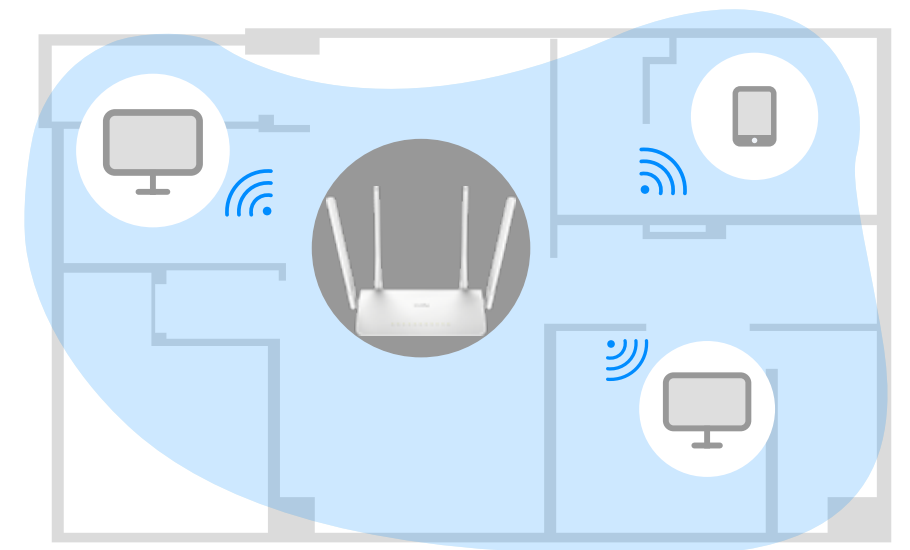




867 Mbps (5 GHz)  
300 Mbps (2.4 GHz)

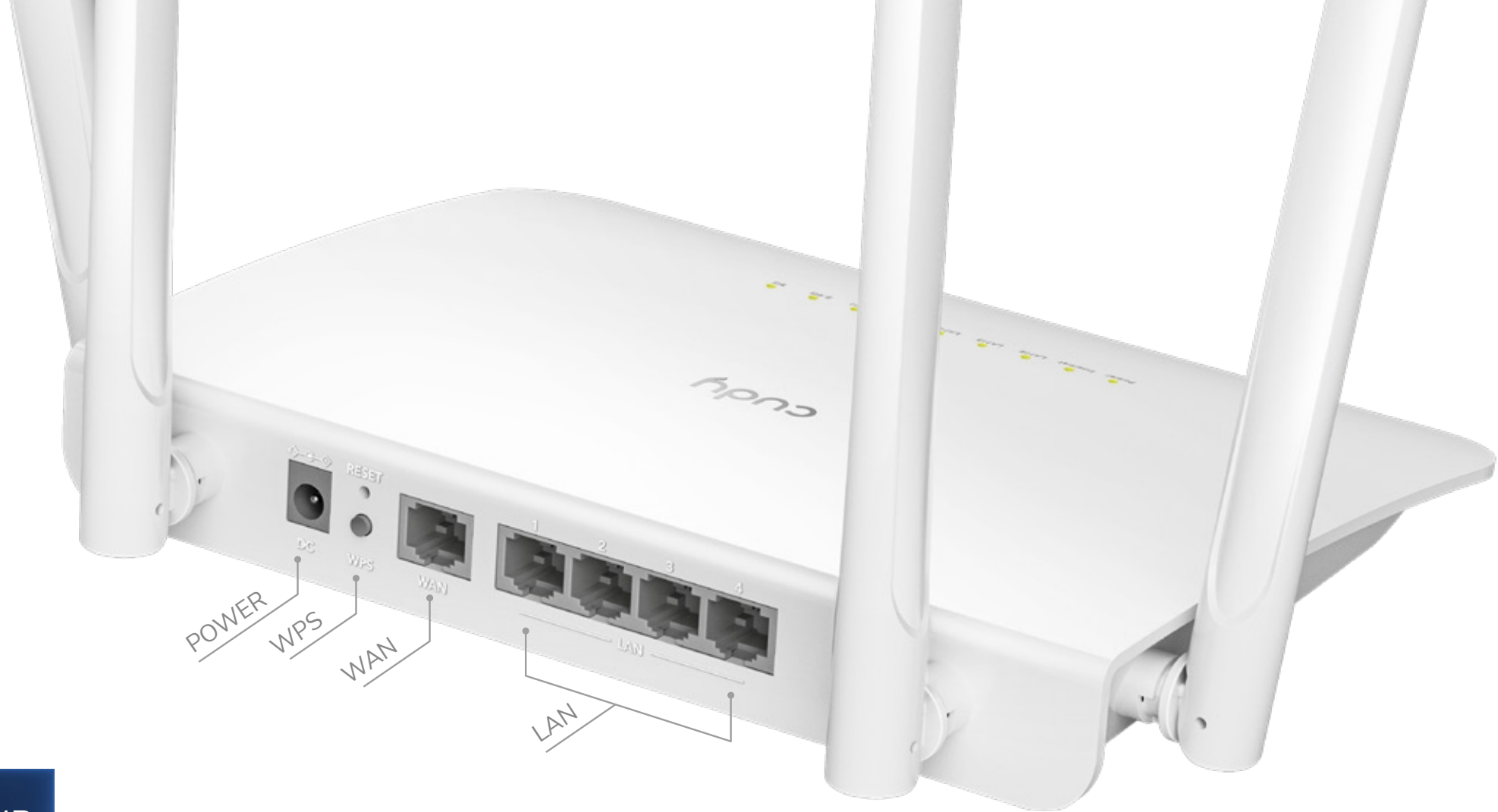
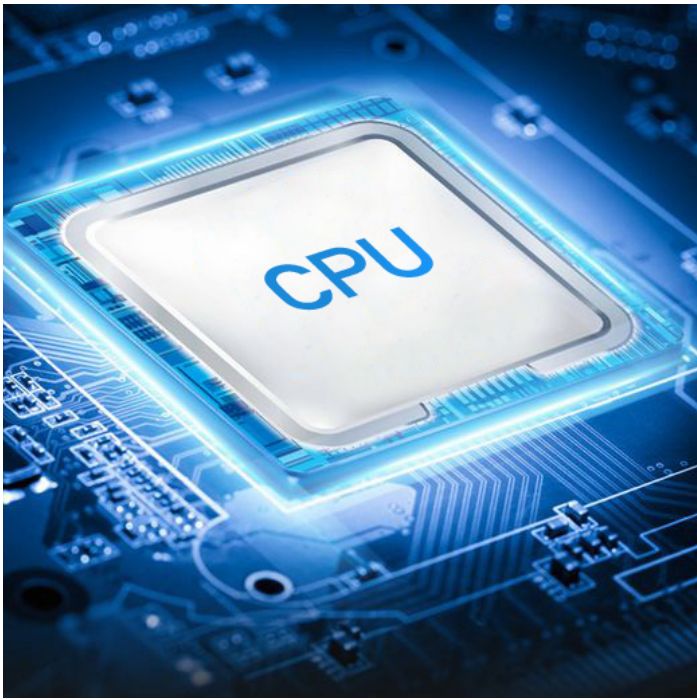
Up to 1.2 Gbps Wi-Fi Speed:  
Enjoy smooth streaming,  
downloading, and gaming  
with extremely fast Wi-Fi-  
Speed.

## Extensive Coverage





# Hardware



16MB  
Flash

+

128MB  
DDR

## Powerful Dual-Core Processor

Powerful Dual-Core CPU ensures smooth 4K UHD streaming to Smart TVs, mobile devices and gaming consoles without buffering.

## 16MB Flash + 128MB DDR

Large capacity flash/DDR design makes the router stable and reliable , ensuring the continuous operation of the system, and provides more space for the file system.

## 4 x 5dBi High Gain Antennas

High gain antennas boost sensitivity of the router, create connections over greater distances, providing powerful penetration through walls.

## 5 x Gigabit Ports

Featured with 5 10/100/1000Mbps ports, greatly expands your network capacity, enabling instant large files transferring.

## Software



### VPN

With built-in VPN, this router can easily establish a connection to VPN Server to transport all your online data and traffic, securing it with its encryption at the same time.



### DDNS

By assigning a custom domain name to your home router's IP address, DDNS function will update automatically as your home IP continues to change. Compatible with 15 more DDNS providers.



### Guest Network

Guest Network separate guest access from your family network. Maintain high security across your network to help ensure your privacy is safe while online.



# Highlights

A dual-band AC1200 WiFi router ideal for smooth 4K playback, gaming, a connecting to a max 1000 Mbps internet access, featuring Cudy Mesh, app control, VPN, and MU-MIMO.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 5× Gigabit Ethernet Ports
- 4× High-Gain Antennas
- 50 Connected Devices
- Covers 100m² (1,100 ft²)
- Cudy Mesh, VPN Server and Client
- Cudy App, Cloud Control

# Package Content

- WR1300
- Power Adapter
- Ethernet Cable
- Installation Guide

# Hardware Features

CPU	CPU Details	880 MHz Dual-Core, MIPS1004Kc
Memory/Storage	Flash/ROM	16 MB (128 Mbit) NOR
	DDR/RAM	128 MB (1 Gbit) DDR3
Wireless	5 GHz Wi-Fi Speed	867 Mbps
	2.4 GHz Wi-Fi Speed	300 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	5dBi
	2.4 GHz Antenna Gain Max	5dBi
	FEM or PA/LNA	5 GHz: 2× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 170 m (558 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")
Interfaces	Gigabit RJ45 Ports	5
	Ethernet Notes	1× WAN port, the rest are LAN ports



# Hardware Features

Interfaces	LED	Power
		2.4 GHz Wi-Fi
		5 GHz Wi-Fi
		WPS
		Speed/Link/ACT of Ethernet Port
Power	Physical Buttons	WPS Button
		Reset Button
	Power Input	DC Jack
	Power Methods	DC
	DC	12V 1A
	Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC
		Output: 12V 1A DC
Reliability	Environment	Max Power Consumption (W)
		9.27W
		Idle Power Consumption (W)
		3.56W
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	
Mechanical	Installation	Desktop
		Wall-mount

Mechanical	Dimension	204.8×137.5×38.3 mm
		8.06×5.41×1.51 inches
	Product Weight	314.2 g (11.08 oz.)
Ordering	Retail Package Weight	EU: 696.0 g (24.55 oz.)
Information	Retail Package Dimension	280×278×56 mm
		11.02×10.94×2.2 inches
	Units per Carton	20
	Carton Dimension	59×58×30.3 cm
		23.23×22.83×11.93 inches
	Carton Gross Weight	EU: 15.3 kg (33.73 lbs)
	Carton Net Weight	EU: 13.9 kg (30.64 lbs)



# Software Specs

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	50
	Max Wi-Fi Channel Width	80 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
Multi-Band Backhaul	True	

General	WAN Mode	DHCP
		Static IP
		PPPOE
		PPTP
		L2TP
	Internet Failover Sequence	WAN
		WISP
Network	QoS	Per-User Rate Limiting
		Address Reservation
		DHCP Client List
		Server
		IP Versions
	IPv6 Protocols	IPv4/IPv6
		Relay
		Dynamic (SLAAC/DHCPv6)
		Static (Fixed IP)
		Passthrough
		464XLAT
		MAP-E
		DS-Lite
	IPTV/VLAN	Bridge
		Tag VLAN
		VoIP VLAN
		IPTV VLAN



# Software Specs

Network	TTL Customization	Extend
		Spoof
		Custom
	IGMP	IGMP Proxy
		IGMP Snooping
	Forwarding	Port Forwarding
		Port Triggering
		UPnP
		DMZ
	Firewall	SPI Firewall
		DoS Protection
		Block PING
	Application Layer Gateway	IPSec Passthrough
		L2TP Passthrough
		PPTP Passthrough
		FTP Passthrough
		TFTP Passthrough
		H323 Passthrough
		SIP Passthrough
		RTSP Passthrough
Utilities	VPN Server	WireGuard
		OpenVPN

Utilities	VPN Server	IPsec
		Zerotier
		PPTP
		L2TP
	VPN Client	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	VPN Performance	OpenVPN Client (UL/DL):
		22 / 24.7 Mbps
		OpenVPN Server (UL/DL):
		22 / 20.9 Mbps
		WireGuard Client (UL/DL):
		142 / 233.9 Mbps
		WireGuard Server (UL/DL):
		213 / 152 Mbps
	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
		Override Clients' DNS



# Software Specs

Utilities	DNS over TLS Providers	Cloudflare
		Google
		Quad9
		Custom
	Captive Portal	True
	Wake on LAN	True
	Online Detection	True
	Max Concurrent VPN Tunnels	IPSec: 20
		PPTP/L2TP: 16
		OpenVPN: 16
General	Max Concurrent Sessions	25000
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 Filter
		IP Filter

System	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
		Traceroute
		NSLookup
		System Log
	Languages	• English • Bengali • Catalan • Czech
		• German • Greek • Spanish • French
		• Hebrew • Croatian • Hungarian • Italian
		• Japanese • Khmer • Korean • Dutch
		• Norwegian • Polish • Portuguese
		• Romanian • Russian • Slovak • Swedish
		• Thai • Turkish • Ukrainian • Vietnamese
		• Simplified Chinese • Traditional Chinese



# Software Specs

Dashboard	Panel	Internet Status
		Mesh Status
		Devices Management
		WAN Status
		LAN Status
		WISP Status
		Wi-Fi Status
		VPN Status
		DHCP Server Status
		System Version
	Charts	Mesh Topology
		Internet Speed
		WISP Speed
		Wi-Fi Speed