





Model: WR1300

AC1200

Gigabit Mesh Wi-Fi Router

-  Up to 867 Mbps + 300 Mbps Wi-Fi Speed
-  Powerful 1.2 GHz Dual-Core ARM Processor
-  VPN Server and VPN Client Support
-  Enhanced Whole Home Coverage



Highlights

A dual-band AC1200 Wi-Fi 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.

- 1.2 GHz Dual-Core CPU
- 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 100 m² (1,100 ft²)
- Cudy Mesh, VPN Server and Client
- Cudy App, Cloud Control

Package Content

- WR1300
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

Model Version	WR1300 5.0	
CPU	CPU Details	1.2 GHz Dual-Core, ARM Cortex-A9
	Flash/ROM	32 MB (256 Mbit) NOR
Memory/Storage	DDR/RAM	128 MB (1 Gbit) DDR3
	5 GHz Wi-Fi Speed	867 Mbps
Wireless	2.4 GHz Wi-Fi Speed	300 Mbps
	5 GHz Wi-Fi Streams	2 Spatial Streams
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
Wi-Fi Antennas	4× Fixed	
FEM or PA/LNA	5 GHz: 2× External	
	2.4 GHz: 2× Internal	
Beamforming	✓	
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")	



Hardware Specs

Interfaces	Gigabit RJ45 Ports	5	
	Ethernet Notes	1× WAN port, the rest are LAN ports	
	LED	Power	
		Internet	
		2.4 GHz Wi-Fi	
		5 GHz Wi-Fi	
		Speed/Link/ACT of Ethernet Port	
	Physical Buttons	WPS Button	
		Reset Button	
	Power Interfaces	DC Jack	
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 °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	
	Dimension	Main Part:	210×144×31 mm 8.27×5.67×1.22 inches
		Product Weight	292.0 g (10.3 oz.)
		Retail Package Weight	EU: 674.6 g (23.8 oz.)
	Retail Package Dimension	280×278×56 mm 11.02×10.94×2.2 inches	
		Units per Carton	20
Ordering Information	Carton Dimension	59×58×30.3 cm 23.23×22.83×11.93 inches	
	Carton Gross Weight	EU: 14.9 kg (32.85 lbs)	
	Carton Net Weight	EU: 13.5 kg (29.76 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
	Guest Network	2.4 GHz, 5 GHz
	WPS	✓
General	Operation Modes	Wi-Fi Router
		Access Point
		Range Extender
		WISP
		Client
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
Wired Backhaul		
Multi-Band Backhaul	✓	
WAN Mode	DHCP	
	Static IP	
	PPPOE	

General	WAN Mode	PPTP
		L2TP
Network	QoS	Per-User Rate Limiting
		DHCP
	IP Versions	Address Reservation
		DHCP Client List
		Server
	IPv6 Protocols	IPv4/IPv6
		Relay
		Dynamic (SLAAC/DHCPv6)
		Static (Fixed IP)
	Multicast	Passthrough
464XLAT		
MAP-E		
IPTV/VLAN	DS-Lite	
	✓	
	Bridge	
	Tag VLAN	
TTL Customization	VoIP VLAN	
	IPTV VLAN	
	Extend	
	Spoof	
		Custom



Software Specs

Network	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
		IPsec
		PPTP
		L2TP

Utilities	VPN Client	WireGuard		
		OpenVPN		
		IPsec		
		PPTP		
		L2TP		
		DNS Options	DNS over TLS	
			Manual DNS	
			Rebind Protection	
			Override Clients' DNS	
			DNS over TLS Providers	Cloudflare
				Google
		Quad9		
			Custom	
			Captive Portal	✓
	Wake on LAN	✓		
	Online Detection	✓		
Management	Parental Controls	Profiles Settings		
		Offline Time		
		Online Time		
		Pause the Internet		
		Web Filter		
		All Devices Management	Wi-Fi Time Schedule	
			MAC Filter	



Software Specs

Management	All Devices Management	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/TR143/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		

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