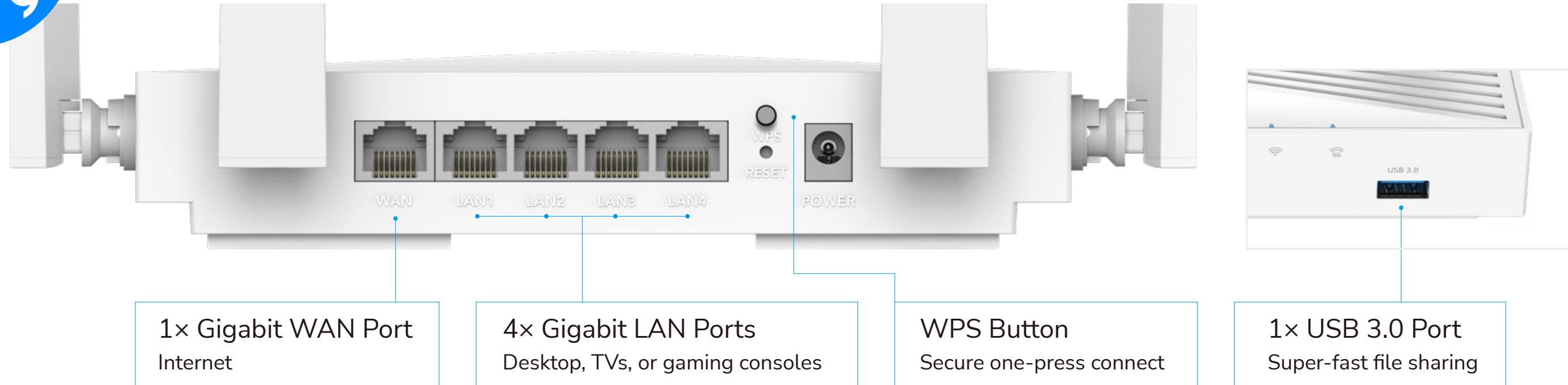


Model: WR1300S

**AC1200**

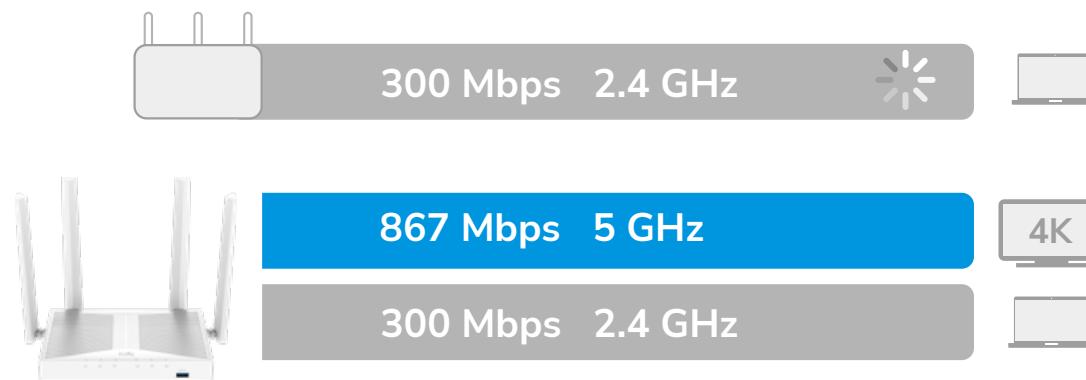
Gigabit Mesh Wi-Fi Router  
with USB





## Responsive Dual-Band Wi-Fi with MU-MIMO

Use the less congested 5 GHz band to achieve speeds more than twice as fast and responsive compared to legacy single-band routers. MU-MIMO enables simultaneous transmission to multiple clients, reducing latency.



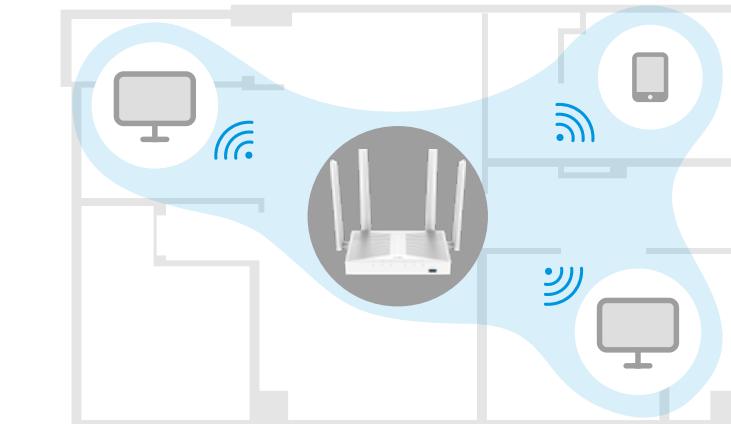
## Build Secure File Station with VPN and USB

Connect back home securely and access your drive conveniently, via six popular VPN protocols and the super-fast USB 3.0 port.



## Direction Detected, Signal Boosted

Beamforming detects the direction of connected devices and forms a focused signal towards them to improve coverage performance.



## Easily Build a Whole-Home Network

Advanced Cudy Mesh system, seamlessly connects your entire home with reliable Wi-Fi.



## Highlights

A dual-band AC1200 WiFi router with a USB port ideal for hosting an SMB server, streaming 4K, and connecting to a max 1000 Mbps internet access.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 5x Gigabit Ethernet Ports
- 4x High-Gain Antennas
- 50 Connected Devices
- 1x USB 3.0 Port
- Covers 100m<sup>2</sup> (1,100 ft<sup>2</sup>)
- Cudy Mesh, VPN Server and Client
- Cudy App, Cloud Control

## Package Content

- WR1300S
- Power Adapter
- Ethernet Cable
- Installation Guide

## Hardware Features

<b>CPU</b>	Chipset	MT7621
	CPU Details	880 MHz Dual-Core, MIPS1004Kc
<b>Memory/Storage</b>	Flash/ROM	16 MB (128 Mbit) NOR
	DDR/RAM	128 MB (1 Gbit) DDR3
<b>Wireless</b>	5 GHz Wi-Fi Speed	867 Mbps
	2.4 GHz Wi-Fi Speed	300 Mbps
	5 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
	2.4 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
	Wi-Fi Antennas	4x Fixed
	5 GHz Antenna Gain Max	5dBi
	2.4 GHz Antenna Gain Max	5dBi
	FEM or PA/LNA	5 GHz: 2x Internal 2.4 GHz: 2x 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.
<b>Wall Performance</b>	Two wooden walls with thickness < 10 cm (4")	
	One concrete wall with thickness < 20 cm (7")	

# Hardware Features

Interfaces	Gigabit RJ45 Ports	5
	Ethernet Notes	1× WAN port, the rest are LAN ports
	USB	1× USB 3.0 Port
	LED	<ul style="list-style-type: none"> <li>• Power</li> <li>• Internet</li> <li>• WAN</li> <li>• LAN</li> <li>• 2.4 GHz Wi-Fi</li> <li>• 5 GHz Wi-Fi</li> </ul>
	Physical Buttons	<ul style="list-style-type: none"> <li>• WPS Button</li> <li>• Reset Button</li> </ul>
	Power Input	DC Jack
	Power Methods	<ul style="list-style-type: none"> <li>• DC</li> </ul>
	DC	12V 1.5A
	Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC Output: 12V 1.5A DC
	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	Device: 183.3×109×38 mm 7.22×4.29×1.5 inches
		Antenna Length: 175 mm 6.89 inches
	Product Weight	284.0 g (10.02 oz.)
Ordering Information	Retail Package Weight	EU: 729.4 g (25.73 oz.)
	Retail Package Dimension	330×256×60 mm 12.99×10.08×2.36 inches
	Units per Carton	10
	Carton Dimension	52.8×31.7×34.7 cm 20.79×12.48×13.66 inches
	Carton Gross Weight	EU: 8.0 kg (17.64 lbs)
	Carton Net Weight	EU: 7.29 kg (16.07 lbs)

# Software Features

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	<ul style="list-style-type: none"> <li>• Wi-Fi Router</li> <li>• Access Point</li> <li>• Range Extender</li> <li>• WISP</li> <li>• Client</li> </ul>
	Mesh	Cudy Mesh
	Mesh Backhaul	<ul style="list-style-type: none"> <li>• Wireless Backhaul</li> <li>• Wired Backhaul</li> </ul>
	Multi-Band Backhaul	true
	WAN Mode	<ul style="list-style-type: none"> <li>DHCP</li> <li>Static IP</li> <li>PPPOE</li> <li>PPTP</li> <li>L2TP</li> </ul>

General	Internet Failover Sequence	<ul style="list-style-type: none"> <li>• WAN</li> <li>• WISP</li> </ul>
Network	QoS	Per-User Rate Limiting
	DHCP	<ul style="list-style-type: none"> <li>Address Reservation</li> <li>DHCP Client List</li> <li>Server</li> </ul>
	IP Versions	IPv4/IPv6
	IPv6 Protocols	<ul style="list-style-type: none"> <li>Relay</li> <li>Dynamic (SLAAC/DHCPv6)</li> <li>Static (Fixed IP)</li> </ul>
	IPTV/VLAN	<ul style="list-style-type: none"> <li>Passthrough</li> <li>464XLAT</li> <li>MAP-E</li> <li>DS-Lite</li> <li>Bridge</li> <li>Tag VLAN</li> <li>VoIP VLAN</li> <li>IPTV VLAN</li> </ul>
	TTL Customization	<ul style="list-style-type: none"> <li>Extend</li> <li>Spoof</li> <li>Custom</li> </ul>
	IGMP	<ul style="list-style-type: none"> <li>IGMP Proxy</li> <li>IGMP Snooping</li> </ul>

# Software Features

<b>Network</b>	Forwarding	Port Forwarding	<b>Utilities</b>	VPN Client	WireGuard
		Port Triggering			OpenVPN
		UPnP			IPsec
		DMZ			Zerotier
	Firewall	SPI Firewall			PPTP
		DoS Protection			L2TP
		Block PING		VPN Performance	OpenVPN Client (UL/DL): 22 / 24.7 Mbps
	Application Layer Gateway	IPSec Passthrough			OpenVPN Server (UL/DL): 22 / 20.9 Mbps
		L2TP Passthrough			WireGuard Client (UL/DL): 142 / 233.9 Mbps
		PPTP Passthrough			WireGuard Server (UL/DL): 213 / 152 Mbps
<b>Utilities</b>	VPN Server	FTP Passthrough	<b>DNS Options</b>	DNS over TLS	
		TFTP Passthrough		Manual DNS	
		H323 Passthrough		Rebind Protection	
		SIP Passthrough		Override Clients' DNS	
		RTSP Passthrough		DNS over TLS Providers	Cloudflare
		WireGuard			Google
		OpenVPN			Quad9
		IPsec			Custom
		Zerotier		USB Functions	Samba Server
		PPTP		Wake on LAN	True
		L2TP		Online Detection	True

# Software Features

<b>Utilities</b>	Max Concurrent VPN Tunnels	IPSec: 20 PPTP/L2TP: 16 OpenVPN: 16
<b>General</b>	Max Concurrent Sessions	25000
<b>Management</b>	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
<b>System</b>	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

<b>System</b>	Diagnostic Tools	Diagnosis Ping Traceroute NSLookup System Log
	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
	Charts	• Mesh Topology • Internet Speed • WISP Speed • Wi-Fi Speed