

Model: WR1300

AC1200

Gigabit Mesh Wi-Fi Router



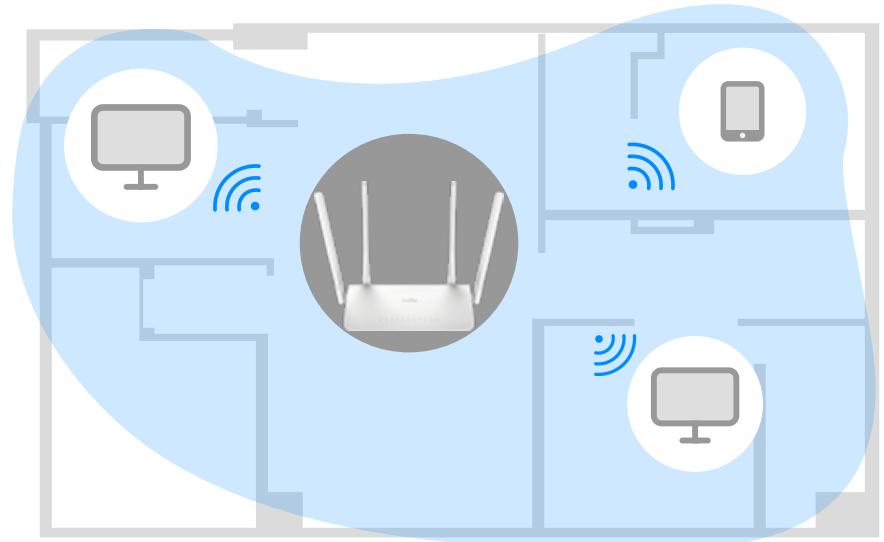
Datasheet



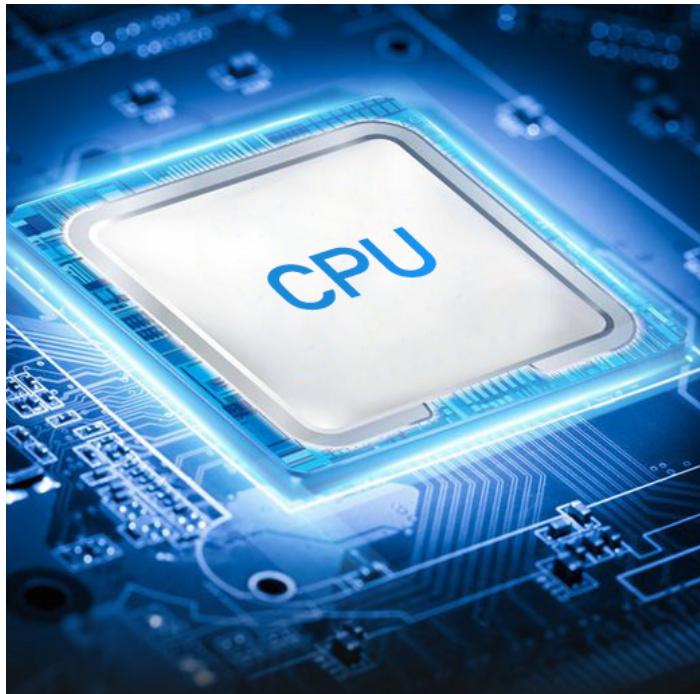
867 Mbps (5 GHz)
300 Mbps (2.4 GHz)

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
Physical Buttons		WPS Button
		Reset Button
Power Input		DC Jack
Power	Power Methods	DC
	DC	12V 1A
	Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC Output: 12V 1A DC
	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.)
	Retail Package Dimension	280×278×56 mm 11.02×10.94×2.2 inches
Information	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
	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
	IPTV/VLAN	Bridge
		Tag VLAN
		VoIP VLAN
		IPTV VLAN

Software Specs

Network	TTL Customization	Extend Spoof Custom	Utilities	VPN Server	IPsec Zerotier PPTP L2TP
	IGMP	IGMP Proxy IGMP Snooping		VPN Client	WireGuard OpenVPN IPsec Zerotier PPTP L2TP
	Forwarding	Port Forwarding Port Triggering UPnP DMZ		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
	Firewall	SPI Firewall DoS Protection Block PING		DNS Options	DNS over TLS Manual DNS Rebind Protection Override Clients' DNS
	Application Layer Gateway	IPSec Passthrough L2TP Passthrough PPTP Passthrough FTP Passthrough TFTP Passthrough H323 Passthrough SIP Passthrough RTSP Passthrough			
	VPN Server	WireGuard OpenVPN			

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
	Firmware Upgrade	TR069/TR098/TR111/TR181 Local Update
	Reliability	App (Over the Air) Online Update Timed Reboot Backup and Restore
	Diagnostic Tools	Diagnosis Ping Traceroute NSLookup System Log
	Languages	<ul style="list-style-type: none"> • 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