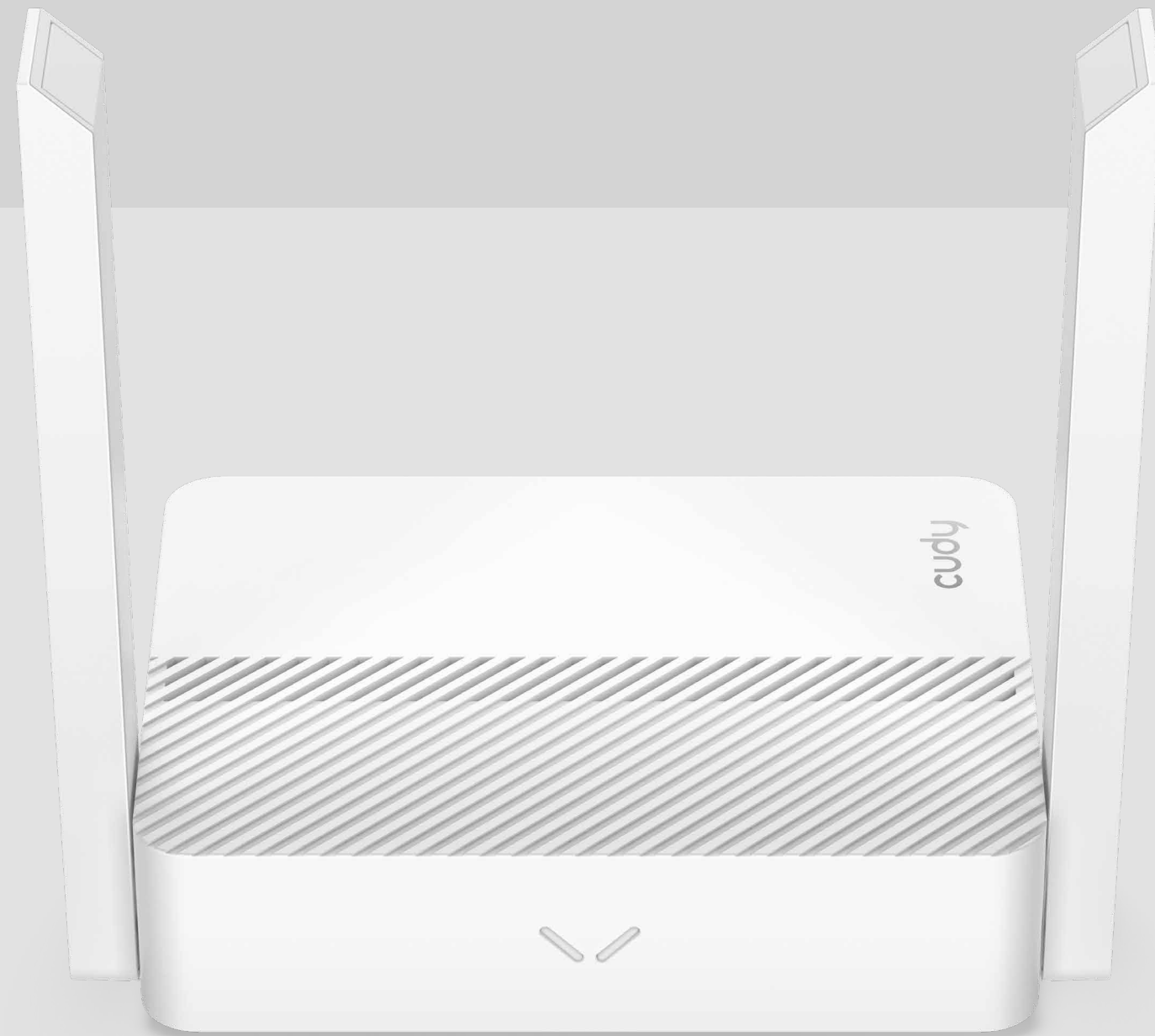


cudy

Model: WR300

300 Mbps

Multi-Mode Wi-Fi Router
with USB-C Power Input



[Datasheet](#)

Highlights

A Wi-Fi router with four Fast Ethernet ports allows smooth video playback and a maximum of 100 Mbps internet access, featuring Cudy Mesh and local app control. The new WR300 features an USB-C power port to supports standard USB power supply, unlocking more flexible usage.

- 300 Mbps Wi-Fi
- 4x Fast Ethernet Ports
- Powering via USB-C
- Covers 90 m² (950 ft²)
- Router/AP/RE/WISP/Client/Mesh Modes
- VPN Client of WireGuard, PPTP, L2TP
- Cudy App

Package Content

- WR300
- USB Cable
- Ethernet Cable
- Installation Guide

Hardware Features

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	2.4 GHz Wi-Fi Speed	300 Mbps
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	2x Fixed
	FEM or PA/LNA	2.4 GHz: 2x Internal
	Range Performance	Max: 130 m (427 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	One wooden walls with thickness < 10 cm (4") One concrete wall with thickness < 10 cm (4")
Interfaces	10/100 Mbps RJ45 Ports	4
	Ethernet Notes	1x WAN port, the rest are LAN ports
	LED	System
	Physical Buttons	WPS Button Reset Button
	Power Interfaces	USB-C Port

Hardware Features

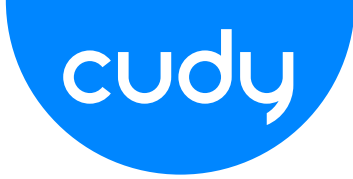
Power	Power Methods	USB-C
	Power Input	5V=1A
Reliability	Environment	Operating Temperature: 0 °C ~ 40 °C (32 °F ~104 °F)
		Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F)
		Humidity: 10% ~ 90% non-condensing
		Storage Humidity: 5% ~ 95% non-condensing
Certifications	FCC, CE	
Mechanical	Installation	Desktop
	Dimension	Main Part:
		118×80×27.5 mm
		4.65×3.15×1.08 inches
Product Weight	116.6 g (4.11 oz.)	
Ordering	Retail Package Weight	EU: 248.0 g (8.75 oz.)
Information	Retail Package Dimension	136×128×38 mm
		5.35×5.04×1.5 inches
	Units per Carton	40
	Carton Dimension	41.5×29.7×28.3 cm
		16.34×11.69×11.14 inches
	Carton Gross Weight	EU: 10.5 kg (23.15 lbs)
	Carton Net Weight	EU: 9.9 kg (21.83 lbs)



Software Features

Wireless	Wi-Fi Standards	Wi-Fi 4
	Max Wi-Fi Modulation	64-QAM
	Max Capacity	64
	Recommended Client Upper Limit	30
	Max Wi-Fi Channel Width	40 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz
	WPS	√
General	Operation Modes	Wi-Fi Router
		Access Point
		Range Extender
		WISP
		Client
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	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
	Multicast	√
	IPTV/VLAN	Bridge
		Tag VLAN
		VoIP VLAN
IPTV VLAN		
TTL Customization	Extend	
	Spoof	
	Custom	
IGMP	IGMP Proxy	
	IGMP Snooping	



Software Features

Network	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 Client	Wireguard
		PPTP
		L2TP
	DNS Options	DNS over TLS
		Manual DNS
	Rebind Protection	
	Override Clients' DNS	

Utilities	DNS over TLS Providers	Cloudflare
		Google
		Quad9
		Custom
	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
		IP/MAC Binding
	Per-Devices Management	Internet On/Off
		VPN On/Off
		Online Time Schedule
	Content Management	Device Rename
Domain Filter		
	IP Filter	



Software Features

System	LED Control	√
	Local Control Method	Config Web Page App Control
	Remote Control Method	Config Page via HTTPS TR069/TR098/TR111/TR143/TR181
	Firmware Upgrade	Local Update
	Reliability	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

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