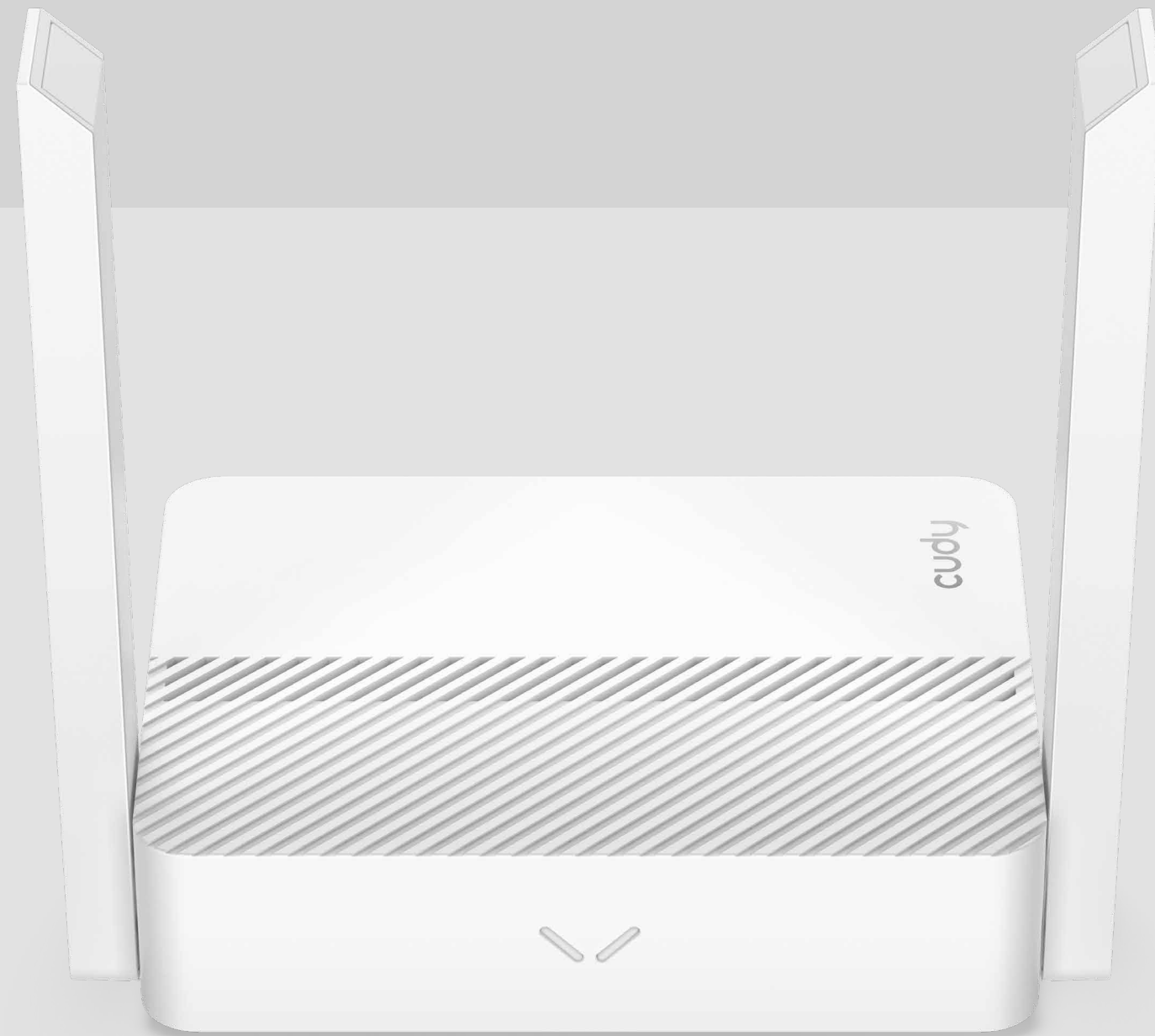


cudy

Model: WR1200E

AC1200

Dual-Band Wi-Fi Router
with USB-C Power Input



Datasheet

Highlights

A dual-band WiFi router with three Fast Ethernet ports allows smooth video playback, gaming, and a maximum of 100 Mbps internet access, featuring MU-MIMO. The new WR1200E features an USB-C power port to supports standard USB power supply, unlocking more flexible usage.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 4× Fast Ethernet Ports
- 40 Connected Devices
- Powering via USB-C
- VPN Client of WireGuard, OpenVPN, etc
- Router/AP/RE/WISP/Client Modes
- Cudy App

Package Content

- WR1200E
- USB Cable
- Ethernet Cable
- Installation Guide

Hardware Features

CPU	Chipset	MT7628
	CPU Details	580 MHz Single-Core, MIPS24KEC
Memory/Storage	Flash/ROM	8 MB (64 Mbit) NOR
	DDR/RAM	64 MB (512 Mbit) DDR2
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	2× Fixed
	FEM or PA/LNA	5 GHz: 2× Internal 2.4 GHz: 2× Internal
	Beamforming	√
	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	10/100 Mbps RJ45 Ports
Ethernet Notes		1× WAN port, the rest are LAN ports
LED		System



Hardware Features

Interfaces	Physical Buttons	WPS Button
		Reset Button
	Power Interfaces	USB-C Port
Power	Power Methods	USB-C
	DC	5V=2A
	Max Power Consumption (W)	8W
	Idle Power Consumption (W)	3W
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	116.5 g (4.11 oz.)	
Ordering	Retail Package Weight	EU: 246.8 g (8.71 oz.)
Information	Retail Package Dimension	136×128×38 mm
		5.35×5.04×1.5 inches
	Units per Carton	40

Ordering	Carton Dimension	41.5×29.7×28.3 cm
	Information	16.34×11.69×11.14 inches
	Carton Gross Weight	EU: 10.4 kg (22.93 lbs)
	Carton Net Weight	EU: 9.9 kg (21.83 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	40
	Max Wi-Fi Channel Width	80 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz, 5 GHz
	WPS	√
General	Operation Modes	Wi-Fi Router
		Access Point
		Range Extender
		WISP
		Client
	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	
	Multicast	MAP-E	
		DS-Lite	
		√	
		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	OpenVPN
		Wireguard
		PPTP
		L2TP
	DNS Options	Manual DNS
		Rebind Protection
		Override Clients' DNS
	Wake on LAN	√
	Online Detection	√

Management	Parental Controls	Profiles Settings
		Offline Time
		Online Time
	All Devices Management	Pause the Internet
		Web Filter
		Wi-Fi Time Schedule
		MAC Filter
	Per-Devices Management	IP/MAC Binding
		Internet On/Off
		VPN On/Off
Content Management	Online Time Schedule	
	Device Rename	
	Domain Filter	
	IP Filter	
System	LED Control	√
	Local Control Method	Config Web Page
		App Control
	Remote Control Method	TR069/TR098/TR111/TR181
		Config Page via HTTP
	Firmware Upgrade	Local Update
	Reliability	Timed Reboot
		Backup and Restore



Software Features

System	Diagnostic Tools	Diagnosis
		Ping
		Traceroute
		NSLookup
		System Log
	Languages	• English • German • Spanish • French • Hebrew
		• Italian • Portuguese • Ukrainian • Russian • Korean
Dashboard	Panel	Internet Status
		Devices Management
		WAN Status
		LAN Status
		WISP Status
		Wi-Fi Status
		VPN Status
		DHCP Server Status
		System Version
		Charts
	WISP Speed	
Wi-Fi Speed		