

WR3000S (AX3000)

Cudy WR3000S Gigabit Wi-Fi 6 Mesh Router AX3000, 1.3 GHz Dual-Core CPU, 4-Stream Dual-Band Wi-Fi 6, 2402 Mbps + 574 Mbps Wi-Fi, 5× Gigabit Ethernet Ports, 200 Connected Devices, Covers 130 m² (1,400 ft²), Cudy Mesh, VPN Server and Client, Cudy App, Cloud Control



Model	WR3000S (AX3000)
Brend	Cudy
WIFI	WiFi6
Genişlik	Dual band
Mesh	Mesh
Tezlik	2.4Ghz/5Ghz
Port sürəti	1000 mb/s
Qoşulma sayı	200+

Specification

WR3000S 1.0	
Chipset	MT7981
CPU Details	1.3 GHz Dual-Core, ARM Cortex-A53
Flash/ROM	128 MB (1 Gbit) NAND
DDR/RAM	256 MB (2 Gbit) DDR3
5 GHz Wi-Fi Speed	2402 Mbps
2.4 GHz Wi-Fi Speed	574 Mbps
5 GHz Wi-Fi Streams	2T2R (2×2 MIMO) with an Extra Stream
2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
Wi-Fi Antennas	4× Fixed
5 GHz Antenna Gain Max	5.3dBi
2.4 GHz Antenna Gain Max	5.3dBi
FEM or PA/LNA	<ul style="list-style-type: none"> • 5 GHz: 3× Internal • 2.4 GHz: 2× Internal
Beamforming	True
Range Performance	Max: 220 m (722 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") or two concrete walls with thickness < 10 cm (4")
Gigabit RJ45 Ports	5
Ethernet Notes	1× WAN port, the rest are LAN ports
LED	<ul style="list-style-type: none"> • System • Internet • WPS • 2.4 GHz Wi-Fi • 5 GHz Wi-Fi • WAN • LAN
Physical Buttons	<ul style="list-style-type: none"> • WPS Button • Reset Button
Power Input	DC Jack
Power Methods	DC
DC	12V 1A
Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC Output: 12V 1A DC
Max Power Consumption (W)	7.5W
Environment	<ul style="list-style-type: none"> • Operating Temperature: 0 ℃ ~ 40 ℃ (32 ℃ ~ 104 ℃) • Storage Temperature: -40 ℃ ~ 70 ℃ (-40 ℃ ~ 158 ℃) • Humidity: 10% ~ 90% non-condensing • Storage Humidity: 5% ~ 95% non-condensing
FCC, CE	
Installation	<ul style="list-style-type: none"> • Desktop • Wall-mount
Dimension	173×123.8×33 mm 6.81×4.87×1.3 inches
Product Weight	329.4 g (11.62 oz.)
Retail Package Weight	<ul style="list-style-type: none"> • EU / US: 725 g (25.57 oz.) • ZH: 711.6 g (25.1 oz.)
Retail Package Dimension	304×268×54 mm 11.97×10.55×2.13 inches
Units per Carton	20
Carton Dimension	55.6×55.5×32.5 cm 21.89×21.85×12.8 inches
Carton Gross Weight	<ul style="list-style-type: none"> • EU / US: 15.8 kg (34.83 lbs) • ZH: 15.4 kg (33.95 lbs)
Carton Net Weight	<ul style="list-style-type: none"> • EU / US: 14.5 kg (31.97 lbs) • ZH: 14.2 kg (31.31 lbs)
WR3000S 1.0	
Wi-Fi Standards	Wi-Fi 6
Max Wi-Fi Modulation	1024-QAM
Wi-Fi Efficiency	<ul style="list-style-type: none"> • OFDMA • MU-MIMO • BSS Color
Max Capacity	512
Recommended Client Upper Limit	200
Max Wi-Fi Channel Width	160 MHz
Wi-Fi Security	WPA/WPA2/WPA3
Guest Network	2.4 GHz, 5 GHz
WPS	True

Operation Modes	<ul style="list-style-type: none"> • Wi-Fi Router • Access Point • Range Extender • WISP • Client
Mesh	Cudy Mesh
Mesh Backhaul	<ul style="list-style-type: none"> • Wireless Backhaul • Wired Backhaul
Multi-Band Backhaul	true
WAN Mode	<ul style="list-style-type: none"> • DHCP • Static IP • PPPoE • PPTP • L2TP
Internet Failover Sequence	<ul style="list-style-type: none"> • WAN • WISP
QoS	Per-User Rate Limiting
DHCP	<ul style="list-style-type: none"> • Address Reservation • DHCP Client List • Server
IP Versions	IPv4/IPv6
IPv6 Protocols	<ul style="list-style-type: none"> • Relay • Dynamic (SLAAC/DHCPv6) • Static (Fixed IP) • Passthrough • 464XLAT • MAP-E • DS-Lite
IPTV/VLAN	<ul style="list-style-type: none"> • Bridge • Tag VLAN
TTL Customization	<ul style="list-style-type: none"> • Extend • Spoof • Custom
IGMP	<ul style="list-style-type: none"> • IGMP Proxy • IGMP Snooping
Forwarding	<ul style="list-style-type: none"> • Port Forwarding • Port Triggering • UPnP • DMZ
Firewall	<ul style="list-style-type: none"> • SPI Firewall • DoS Protection • Block PING
Application Layer Gateway	<ul style="list-style-type: none"> • IPSec Passthrough • L2TP Passthrough • PPTP Passthrough • FTP Passthrough • TFTP Passthrough • H323 Passthrough • SIP Passthrough • RTSP Passthrough

VPN Server	<ul style="list-style-type: none"> • WireGuard • OpenVPN • IPsec • Zerotier • PPTP • L2TP
VPN Client	<ul style="list-style-type: none"> • WireGuard • OpenVPN • IPsec • Zerotier • PPTP • L2TP
VPN Performance	<ul style="list-style-type: none"> • OpenVPN Client (UL/DL): 90 / 120 Mbps • OpenVPN Server (UL/DL): 180 / 160 Mbps • WireGuard Client (UL/DL): 224 / 230 Mbps • WireGuard Server (UL/DL): 360 / 314 Mbps
DNS Options	<ul style="list-style-type: none"> • DNS over TLS • Manual DNS • Rebind Protection • Override Clients' DNS
DNS over TLS Providers	<ul style="list-style-type: none"> • Cloudflare • Google • Quad9 • Custom
Captive Portal	True
Wake on LAN	True
Online Detection	True
All Devices Management	<ul style="list-style-type: none"> • Wi-Fi Time Schedule • MAC Filter • IP/MAC Binding
Per-Devices Management	<ul style="list-style-type: none"> • Intenet On/Off • VPN On/Off • Online Time Schedule • Device Rename
Content Management	<ul style="list-style-type: none"> • Domain Filter • IP Filter
LED Control	ture
Local Control Method	<ul style="list-style-type: none"> • Config Web Page • App Control
Remote Control Method	<ul style="list-style-type: none"> • Config Page via HTTPS • App Control • TR069/TR098/TR111/TR181
Firmware Upgrade	<ul style="list-style-type: none"> • Local Update • App (Over the Air) • Online Update
Reliability	<ul style="list-style-type: none"> • Timed Reboot • Backup and Restore
Diagnostic Tools	<ul style="list-style-type: none"> • 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
Panel	<ul style="list-style-type: none">• Internet Status• Mesh Status• Devices Management• WAN Status• LAN Status• WISP Status• Wi-Fi Status• VPN Status• DHCP Server Status• System Version
Charts	<ul style="list-style-type: none">• Mesh Topology• Internet Speed• WISP Speed• Wi-Fi Speed