



Model: TR3000

AX3000

2.5G Wi-Fi 6
Mini VPN Travel Router



Easy Setup with
Cudy App

[Datasheet](#)

Wi-Fi 6

Next Generation WiFi 6

1.3GHz

Dual Core
Processor



160 MHz Bandwidth

Streaming Network for
Multi-Devices

AX3000

Extremely-Fast WiFi

2.5Gbps

WAN Port



MU-MIMO



Dual-Band

Wi-Fi 6 - The Most Powerful Wi-Fi Ever

4X

more capacity



150%

increase in data throughput

AX3000 2976Mbps

AC1200 1167Mbps



100%

backwards compatibility





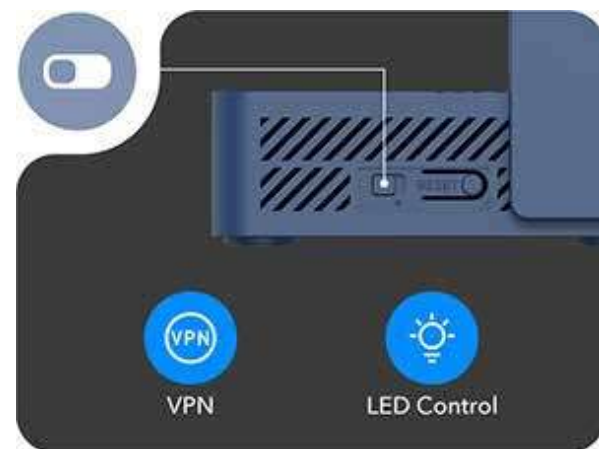
Why Travel Router?



Lighter, Smaller than Phones
Weighs only 160 g (5.64 oz.)
with a pocket-size design.



Power with your Laptop
Power it with your laptop or
phone charger through the
USB-C Power Jack.



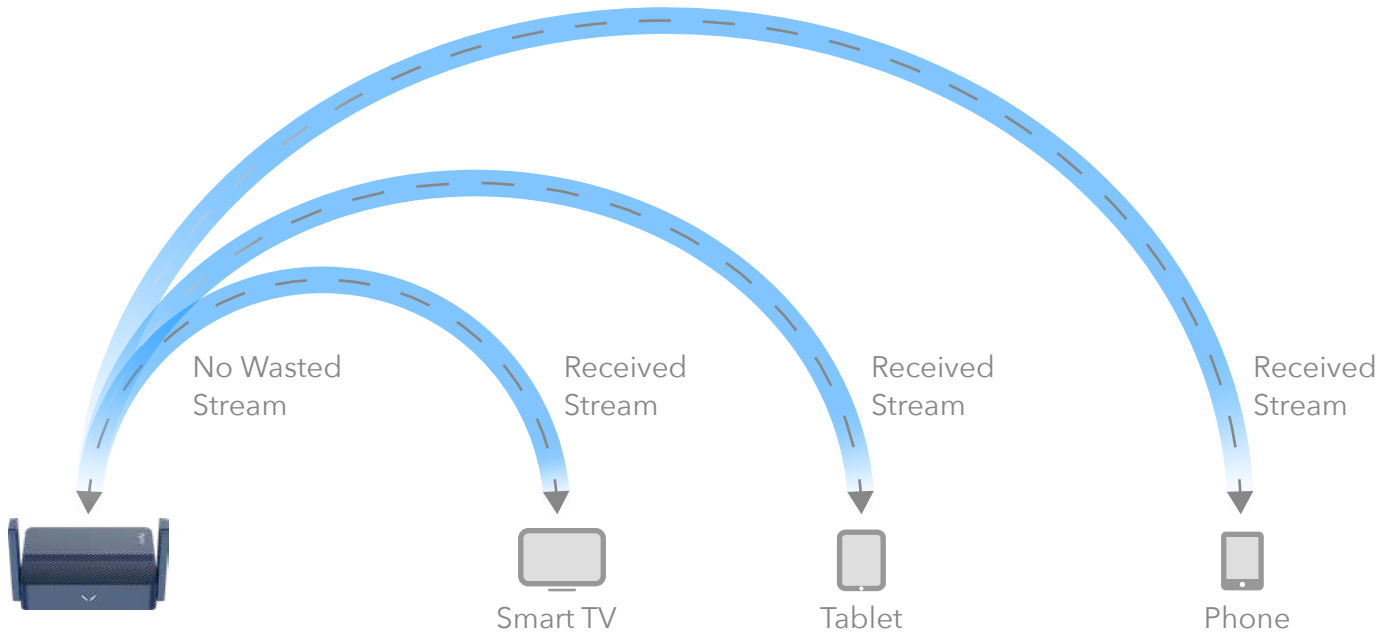
Click! Your VPN is On.
A configurable switch allows
you to quickly toggle the VPN.



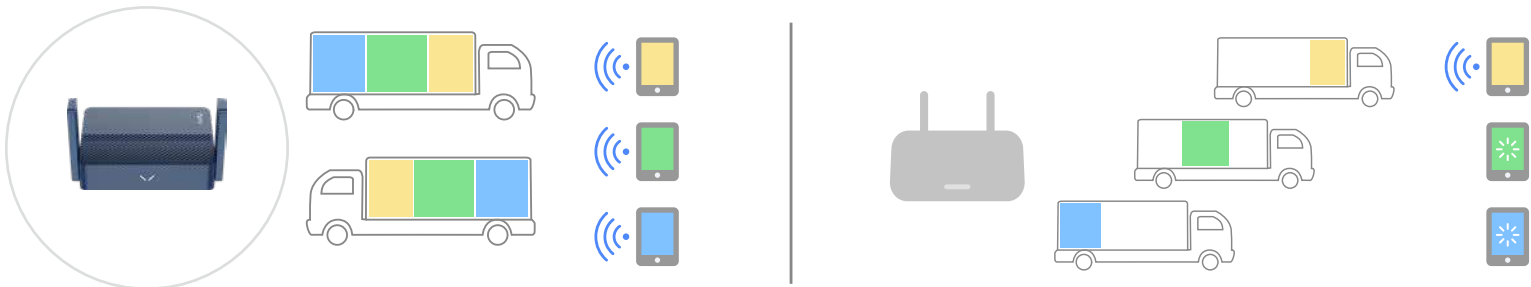
Host Your Own NAS
Plug in your drive to host
your cloud station.

Other Features

Extensive Coverage: Beamforming,
and four antennas combine to deliver
focused reception to devices far away.



DL/UL MU-MIMO



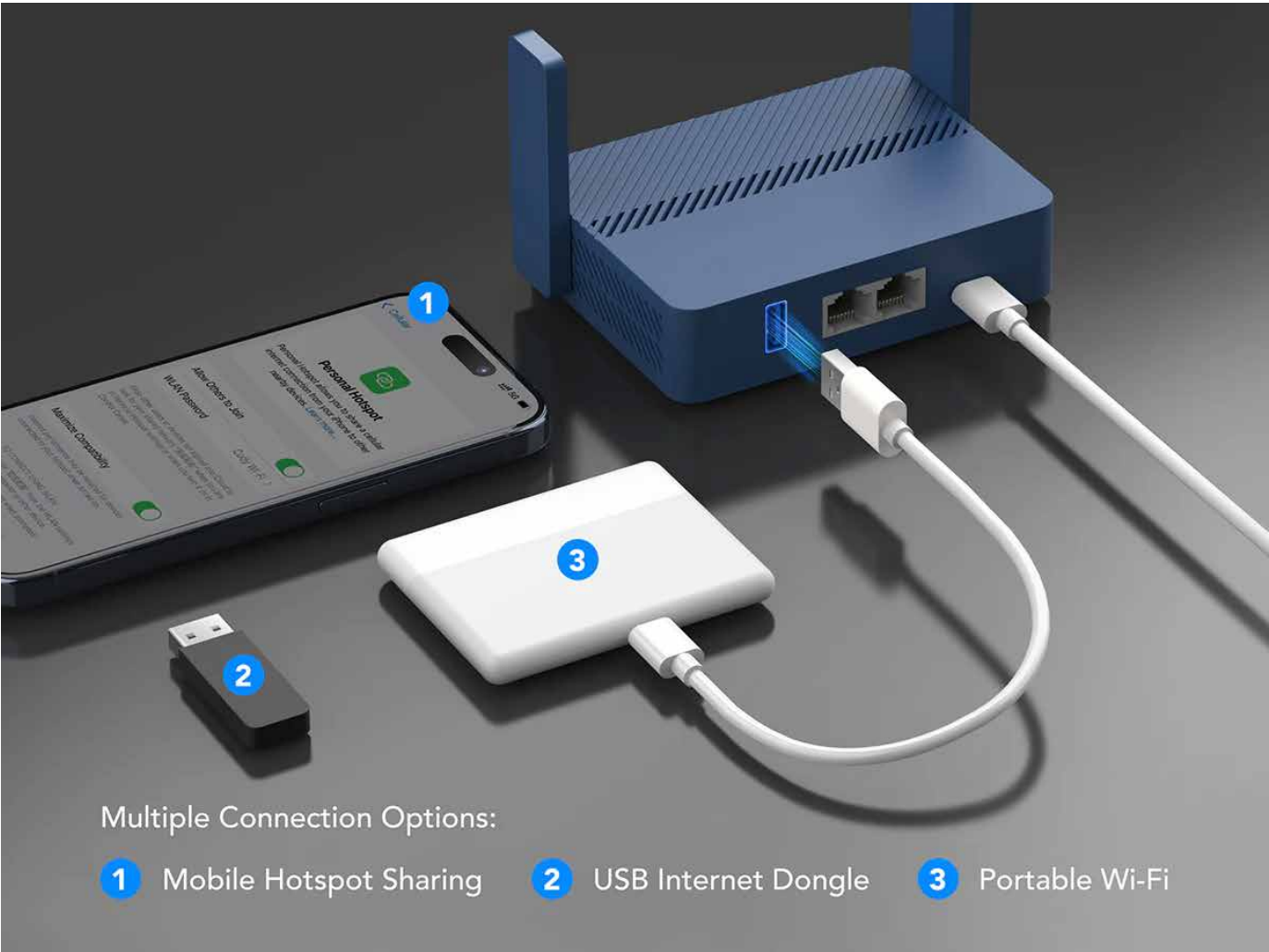
DL/UL OFDMA

Without OFDMA

More Devices: Wi-Fi 6 uses OFDMA to improve capacity and efficiency of your network, so more devices can connect without slowing down your Wi-Fi.



Popular Utilities



USB Tethering

Simply connect a 4G/5G USB dongle to the TR3000, and instantly turn it into a high-speed Wi-Fi hotspot. Stay stable and fast, ensuring effortless travel and seamless access to high-speed internet wherever you go



Customize It

This router empowers seamless network customization and feature expansion. Designed to meet diverse advanced application demands, it delivers unparalleled flexibility to unlock your router's full potential



Highlights

A USB-C powered mini WiFi 6 router ideal for encrypt connections back to the office, sharing paid WiFi, and hosting a file server.

- 1.3 GHz Dual-Core CPU
- 4-Stream Dual-Band Wi-Fi 6
- 2402 Mbps + 574 Mbps Wi-Fi
- 1× 2.5GbE and 1× GbE
- 1× USB 3.0 Port
- Powering via USB-C
- 160 g (5.64 oz.)
- Cudy Mesh, VPN Server and Client
- Cudy App, Cloud Control

Package Content

- TR3000
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Features

CPU	Chipset	MT7981
	CPU Details	1.3 GHz Dual-Core, ARM Cortex-A53
Memory /Storage	Flash/ROM	128 MB (1 Gbit) NAND
	DDR/RAM	512 MB (4 Gbit) DDR3
Wireless	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	4x Fixed
	5 GHz Antenna Gain Max	4.8dBi
	2.4 GHz Antenna Gain Max	3.9dBi
	FEM or PA/LNA	5 GHz: 3× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 180 m (787 ft)
		Indoor WiFi range varies depending on the layout and wall materials.
	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")



Hardware Specs

Interfaces	2.5 Gbps RJ45 WAN Ports	1
	Gigabit LAN Ports	1
	USB-A 3.0 Ports	1
	LED	System
	Physical Buttons	WPS Button
		Reset Button
	Power Input	USB-C Port
Power	Power Methods	DC/PD
	DC	5V 3A
	Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC
		Output: 5V 3A DC
	Max Power Consumption (W)	11.5W
	Idle Power Consumption (W)	4.2W
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
Mechanical	Installation	Desktop
	Dimension	118×80×27.5 mm
		4.65×3.15×1.08 inches
	Weight	160 g (5.64 oz.)

Ordering Information	Retail Package Weight	413 g (14.57 oz.)
	Retail Package Dimension	176×140.5×56 mm
		6.93×5.53×2.2'''
	Units per Carton	160 g (5.64 oz.)
	Carton Dimension	60×30×37.5 cm
		23.62×11.81×14.76"
	Carton Gross Weight	17.4 kg (38.36 lbs)
	Carton Net Weight	16.5 kg (36.38 lbs)

Software Specs

Wireless	Wi-Fi Standards	Wi-Fi 6
	Max Wi-Fi Modulation	1024-QAM
	Wi-Fi Efficiency	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
General	WPS	True
	Operation Modes	Wi-Fi Router
		Access Point
		Range Extender
		WISP
		Client



Software Specs

General	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	Multi-Band Backhaul	true
	WAN Mode	DHCP
		Static IP
		PPPOE
Network	Internet Failover Sequence	WAN
		WISP
	QoS	Per-User Rate Limiting
	DHCP	Address Reservation
		DHCP Client List
		Server
	IP Versions	IPv4/IPv6
	IPv6 Protocols	Relay
		Dynamic (SLAAC/DHCPv6)
		Staic (Fixed IP)
		Passthrough
		464XLAT
		MAP-E
		DS-Lite
	IPTV/VLAN	Bridge
		Tag VLAN

Network	TTL Customization	Extend
		Spoof
		Custom
	IGMP	IGMP Proxy
		IGMP Snooping
	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
Utilities	VPN Server	SIP Passthrough
		RTSP Passthrough
		WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP



Software Specs

Utilities	VPN Client	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
		Override Clients' DNS
	DNS over TLS Providers	Cloudflare
		Google
		Quad9
		Custom
Management	Wake on LAN	True
	Online Detection	True
	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
	Per-Devices Management	Intenent 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
		TR069/TR098/TR111/TR181
	Firmware Upgrade	Local Update
		App (Over the Air)
		Online Update
	Reliability	Timed Reboot
		Backup and Restore
	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



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