m519 5G
Enterprise Router

Introducing the innovative m519, a cutting-edge 5G router designed to redefine your connectivity experience with top-tier performance and effortless adaptability. Experience uninterrupted productivity and the confidence to conquer any challenge.

The m519 redefines business connectivity, serving as both your primary internet source and a reliable failover backup, complete with a built-in battery and advanced IP Passthrough capabilities for a robust solution. Stay connected - effortlessly.

Modem

Brief	Integrated 5G NR Sub-6GHz and 4G LTE Cat 19 modem
Peak Throughput	LTE: DL 1.6 Gbps, UL 200 Mbps
	5G NSA Sub-6: DL 3.4 Gbps, UL 550 Mbps
	5G SA Sub-6: DL 2.4 Gbps, UL 900 Mbps
Bands	5G NR: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n75, n76, n77, n78, n79
	LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B66, B71
	LTE-TDD: B34, B38, B39, B40, B41, B42, B43, B48
Private Cellular	Yes, supports band 48
Antennas	4x Included External Antennas

Wi-Fi

Wi-Fi Standard	Wi-Fi 6 (802.11ax), MIMO: 4x4 MU-MIMO
DFS Certified	Yes
Peak Throughput	2.4GHz: 574 Mbps
	5GHz: 2402 Mbps
Antennas	2x Internal Antennas, 2x Included External Antennas

Ethernet

Ethernet Ports	1x LAN, 1x LAN/WAN Switchable
Speeds	LAN: 1 Gbps
	LAN/WAN: 2.5 Gbps

Power

Required	9 - 36VDC 2.5A Input (Power Cable Included)
Consumption	Idle: 6W
	Heavy: 14W
Battery	47.36Wh
Battery Life	Idle: 8 hours
	Heavy use: 6 hours

Hardware

CPU	MediaTek Dual-core MT7981A, at 1.3GHz
Memory	DDR4 512MB
Storage	8GB eMMC

Certifications

CE, FCC, RoHs, UKCA, WEEE, IC, CP65

Physical

Size	6.10 in x 3.74 in x 2.17 in (155 mm x 95 mm x 55 mm)
Weight	1.7 lbs (771g)
Mounting	Wall Mount, Drop Ceiling, Adhesive
Temperature	Operating: 32 - 104ºF (0 - 40ºC)
	Storage: -4 - 158ºF (-20 - 70ºC)
Humidity	Operating: 5 - 95% non-condensing
	Storage: 5 - 95% non-condensing

Package List

1x m519 Router

1x Power Adapter

2x Wi-Fi Antennas

4x 5G NR / 4G LTE Antennas

1x Ethernet Cable

1x User Manual

1x Warranty Card

1x Wall-Mount Kit

1x Adhesive Window Mount

Features

Remote Access & Cloud Portal	CSG View, a remote access and cloud management portal. Providing users with data-usage monitoring and admin panel for troubleshooting and remote configuation. Allows for batch device management, analytics, notifications, and remote web-interface access.
Load Balancing	Allows users to distribute bandwidth among multiple connection methods, prioritizing data among preferred connections.
Network Storage	Just add a flash drive or TF card, enable shared folders, and you can add the device to windows as a shared folder between multiple computers to simulate a NAS.
Unlocked OS	The m519 runs on our proprietary firmware based on OpenWrt. It presents a user-friendly interface for normal users, but still has unlocked access for advanced users for edge computing.
Optional ZeroTier Functionality	An SD-WAN solution for small buinesses. Build virtualized networks in the cloud.
Optional AdGuard Functionality	Blocks ads on all client devices connected to the device with customizable DNS filters.

Support & Sales

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4G/5G Antennas *Wi-Fi Antennas* *4G/5G Antennas*

Power Port

WAN Ethernet Port

LAN Ethernet Port

USB 2.0 Port

Lights: *Power*

Cellular
5 GHz Wi-Fi
2.4 GHz Wi-Fi
Internet
Battery

Reset button

Nano-SIM Card Slots

TF Card Slot