Mercusys MB520-5G

5G AX3000 Wireless Dual Band Router · Specification summary



Cellular Standards	5G 4.67/1.25 Gbps DL/UL; LTE Cat 19 1.6 Gbps/200 Mbps DL/UL
Cellular Bands	5G: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n77/n78/n79; LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28/B66; LTE-TDD: B38/B40/B41; WCDMA: B1/B2/B5/B8
Wi-Fi Class	AX3000
Wi-Fi (2.4 GHz)	574 Mbps
Wi-Fi (5 GHz)	2402 Mbps
Wireless Standards	IEEE 802.11ax/ac/a/b/g/n
Max Channel Width	160 MHz
Max Capacity	256 clients (recommended limit 128)
Wireless Security	WPA-PSK / WPA2-PSK / WPA3-SAE
Wireless Functions	Smart Connect, WPS, wireless schedule, wireless client statistics, EasyMesh, multi-SSID
Interfaces	1× 2.5GE LAN/WAN Port, 1× GE LAN Port, 1× RJ11 Phone Port, 2× 5G/4G External Antenna Ports, 1× Nano SIM Card Slot
Antenna	Internal
Buttons	1× WPS button, 1× reset button
External Power Supply	12 V / 2 A
Installation	Desktop
LED	1× Power, 1× Internet, 1× Phone, 3× Signal
Dimensions	190 × 130 × 69.7 mm
Operation Mode	5G/4G/3G router; wireless router
Cellular Mode	5G preferred, 5G only, 4G preferred, 4G only, 3G only
WAN Mode	Dynamic IP, Static IP, PPPoE, PPTP, L2TP
Protocols	IPv4, IPv6
Guest Network	2.4 GHz and 5 GHz guest networks
Device Management	MERCUSYS app, web GUI
Certifications	CE

Package Contents	5G AX3000 Wireless Dual Band Router (MB520-5G); power adapter; RJ45 Ethernet cable; quick installation guide
Environment	Operating temperature 0 °C to 40 °C; operating humidity 10% to 90% non-condensing

Specifications are summarised from the manufacturer's published information (checked 2026-11-02). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.