

Cloud Managed 5G Cellular modem with Wi-Fi 6

The RS520 is designed for enterprises that require continuous, wireless-first connectivity across mobile, remote, and distributed locations. It delivers seamless multi-WAN performance by combining onboard 5G, Starlink integration, Wi-Fi 6, and wired backhaul to maintain dependable uptime

Leading cybersecurity, cloud-managed control, and centralized policy management enable the RS520 to deliver scalable, secure connectivity for multi-organization environments.

One Device to Enable Networks Everywhere

The RS520 helps organizations extend reliable connectivity across diverse environments while simplifying deployment and centralized control. Its lightweight design supports mobile operations, enterprise routing, and multi-organization management through cloud-driven orchestration.

- ✧ Comprehensive firewall and VPN
- ✧ Wi-Fi 6 with Router or Access Point extendability
- ✧ Multi-WAN with 5G and native support for Starlink terminals
- ✧ Cloud-managed policy administration, captive portal support



Advanced Wireless, Simplified Management



Reliable 5G and LAN Connectivity with Wi-Fi 6

Delivers flexible multi-path connectivity using 5G, Starlink, wired backhaul, and Wi-Fi 6 — providing reliable performance and continuous uptime for mobile, remote, and distributed sites.



Cloud Management and Orchestration

Centralized cloud platform enables remote configuration, fleet management, and hierarchical policy control across distributed sites, simplifying operations for multi-organization deployments and large-scale rollouts.



Integrated Security and Advanced VPN

A built-in firewall and VPN capabilities keep traffic secure and users safe. Detailed logs help organizations gain and maintain compliance with cybersecurity regulation and government logging requirements.

Contact sales@kognitive.net or visit www.kognitive.net to [find out more](#).

An Elegant Combination

RS520 is an all-in-one cellular SD-WAN router, ideal for distributed, remote, and fleet deployments. It pairs carrier-grade 5G with intelligent SD-WAN features to deliver fast, resilient connectivity for mobile and distributed operations.



5G NR



WiFi 6



Bandwidth Bonding

konnnect

**Powerful 5G modem with bandwidth bonding,
enabling ultra fast primary wireless or backup**



Overview	
Software	KonnnectOpen with Kognitive Cloud
Services	5G SA/NSA, WiFi 6, WAN bandwidth bonding, WAN failover, Firewall, QoS Traffic Policies, MPK-VPN, Remote Management with Kognitive Cloud
Typical Use Cases	Office, Remote Sites, Mobile Applications
Capacity	
SD-WAN Client Capacity	up to TBD clients Native: TBD Mbps Tunneled, QoS Disabled: TBD Mbps Tunneled, QoS Enabled: TBD Mbps
Specifications	
Cellular Modem	5G NR CAT19, 4G LTE, 4x4 MIMO, 3GPP Release 16
SIM	2x nano-SIM
Ports	2x RJ45: 1x 1.0 GbE LAN, 1x 2.5 GbE switchable LAN/WAN; 1x USB2; 1x microSDXC
Wi-Fi	WiFi 6, 802.11ax 2.4GHz, 5 GHz with DFS
GPS	GPS/ GLONASS/ BDS/ Galileo/ QZSS
Antennas	4 x Cellular Antennas (SMA, 600M~6GHz), 2x Wi-Fi Antennas (PR-SMA, 2.4G~2.5GHz, 5.15~5.84GHz)
Processor	MediaTek MT7981A 1.30 GHz / 2 core
Memory / Storage	512 MB DDR4 / 8 GB eMMC
Physical	
Enclosure	Standalone, wall mount, fanless
Measurements	6.10" x 3.74" x 1.42" [155 x 95 x 36 mm] / 1.15 lbs [520 g]
Environment	0°C to +40°C, ≤ 95% RH non-condensing
Power	+12VDC (50W Max) / +24V tolerant, DC barrel 5.5*2.1mm
Regulatory	
Certifications	CE, FCC, RoHS, MIC, WEEE, SRRC; Certified for use on ATT and T-Mobile
Warranty	1-year limited, extended warranty available

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