REVGEN NETWORKS

Enhance your business's operational efficiency and internet connectivity with the IQMC 412 & IQMC 520 routers. These routers are not just devices; they are the pillars supporting mission-critical communications across the most demanding environments.
With their exceptional nationwide coverage, the IQMC 412 & IQMC 520 ensure your business or your technology stays connected wherever you are located.

IQMC412

IQMC520

INTELLIGENT MULTI-CARRIER 4G & 5G TECHNOLOGY

Our IQMC412 & IQMC520 stand out in the market, delivering unbeatable nationwide coverage, internet reliability, and intelligent multi-carrier access without the need for SIM cards. The IQMC router allows for monitoring of the strongest carrier signal available, optimizing speed and ensuring your operations never skip a beat, even in the most remote environments. Ideal for businesses in access control, surveillance, and connected IoT, these routers are a game changer for enterprise-level needs and beyond.

Key Features at a Glance:
- Nationwide Coverage: Broadband access that spans the entire country for absolute reliability.
- High Data Plans: Select from a variety of plans ranging from 20GB to 3TB designed to match your business needs perfectly.
- Future-Proof Technology: Equip your business with the latest 4G & 5G solutions, ensuring speed and connectivity standards endure through the tech waves of tomorrow.
- Carrier Agnostic: Enjoy our multi-carrier approach, free from SIM card constraints and receive the best signal no matter your location.
- Effortless Management: With our IQMC Remote Device Management Portal, maintenance and oversight are simplified substantially.
- Comprehensive Security: Full suite of security features including VPN, encryption, and integrated billing for peace of mind.
- Cutting-Edge Support: Rely on our 24/7 support team with Network Operations Center (NOC) for any inquiries and assistance.

Software Features.
- Pre-installed OpenWRT or Rooter firmware supports "one-key flash mode", which supports secondary development
- Can support the current mainstream M.2 interface modem, such as Quectel EM12 EM20 EM160 R500Q R502Q; Dell DW5821e Fibocom; FM150 and other brands

Hardware Features.
- The latest WIFI6 dual-core network chipset
- MT7621A+MT7975+MT7915
- 5 Gigabit Auto MDI/MDIX Ethernet ports
- 1 USB3.0 port and 2*M.2 ports
- 1 Micro SD card slot (built-in)
- 2 SIM Nano SIM card slot
- 1 reset button
- 1 DC power interface

Notable Features:
- 5G Cat 20 or 4G Cat 12 LTE mobile networking solution with simple plug & play deployment.
- Supports simultaneous multi-carrier connectivity with no SIM cards necessary.
- Control all deployed devices through centralized cloud-based management for easy over-sight at scale, and instant access troubleshooting in real time.
- Utilize management portal to create coverage maps for complete visibility into deployment area's 5G and LTE coverage.
- One Plan. One Bill.
- One Solution. Total Connectivity.

Product Features.
- 1 Modem 4G CAT 12 or 5G CAT 20
- Dimensions & Weight:217 mm x 140 mm x 30 mm. Weight : 0.5 kg
- Environmental conditions: -10°C to +70°c
- Power Supply: DC 12V - 2A, Power consumption < 24W
- Technology: 5G NR (low-band, mid-band FR1) and 4G LTE Category 20 LTE-Advanced Pro
- Fallback: WCDMA/UMTS/HSPA+
- Carrier Aggregation: LTE only; up to 7CA downlink, 2CA uplink ENDC 5G + LTE
- Peak Downlink Rates: Up to 2 Gbps - based on 20 Layers LTE + TDD (100 MHz BW, 256 QAM, 4 x 4)
- 5GNR Bands: n1/n2/n3/n5/n7/n8/n12/n13/n14/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
- LTE-FDD Bands: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B2 5/B26/B28/B29/B30/B32/B66/B71
- LTE-TDD Bands: B34/B38/B39/B40/B41/B42/B43/B48 LAA: B46
- WCDMA: B1/B2/B4/B5/B8/B19
- SMS: Yes

Internet Connectivity.
- 4 x GbE RJ45 (LAN/WAN switchable)
- 1x WAN Gigabits Ethernet port - PPPoE,
- Dynamic/Static IP, Can be used as additional LAN port.
- WIFI: Dual-radio, dual-band, concurrent operation (2.4 GHz & 5 GHz)
- 574 Mbps (2.4 GHz) & 1,200 Mbps (5 GHz)
- 2 x RP-SMA Wi-Fi antenna connectors
- Global Optimized Wi-Fi & International SDR
- WPA2/WPA3 Personal, WPA2/WPA3
- Enterprise, Open
- 802.11k, 802.11v

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