iQsim 250

2-8 ports Router 2G/3G/4G/5G

Key benefits

Internet connectivity over LTE (4G)

Portable mobile router

Up to 8 GSM channels 2G/3G/4G

Up to 4 Channels 5G

Compact size, fanless

Simultaneously support Data, Voice and SMS services

Business oriented software configuration

The iQsim 250 Router is a **compact and modular telecom device** which can embed up to eight 2G/3G/4G modems or four 5G modems.

The iQsim 250 is **ideal for in-vehicle or residential houses** field deployment to provide local Mobile network access points.
The iQsim 250 natively supports iQsim VSIM technology : this enables **SIM cards to be stored centrally on SIM Racks** and allocated on demand to the iQsim M250 device.

iQsim 250 Software Configurations

› MR250 - Mobile Internet with VSIM technology

The MR250 comes with a VSIM-enabled router software to provide **data connectivity over multiple links on 4G networks** using Virtual SIM technology. The connection to the Virtual SIM Server is ensured through a dedicated 4G modem equipped with a M2M SIM card.
The MR250 delivers **Internet connectivity for temporary events, transportation and residential houses.**

› R250 - Robot for Mobile Testing

The R250 comes with the **powerful R2D2 API** giving to integrators and mobile operators the perfect **open platform to perform Qos/QoE test scenarii** on Mobile networks.
iQsim R250 can generate **any type of traffic to GSM network** including voice call, SMS, MMS, USSD, WAP/HTTP, SMTP, FTP and more.

› M250/MS250 - Gateway for Call Termination or Bulk SMS

The M250 comes with a software configuration tailored for **efficient call and SMS routing.** The M250 **embeds a dedicated 4G modem** to provide an **internet access over LTE network.** The M250 becomes portable and does not require anymore fixed line connectivity enabling **in-vehicle or residential houses** field deployment.

Product Datasheet

iQsim is the leading provider of Open Virtual SIM Platform and VSIM enabled mobile devices. The iQsim's Virtual SIM patented technology enables to store SIM cards centrally in the Cloud and then to allocate them on demand to mobile devices.

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iQsim 250 Features	
Virtual SIM Technology/SIM Server	IRON Suite or IRON SIM Server One
Mobile Interfaces and Frequency Bands (Up to 8 Modems 4G, Up to 4 Modems 5G)	4G Cat 4 - Frequencies LTE TDD: B1,B2,B3,B4,B5,B7,B8,B12,B13, B18,B19,B20,B25, B26,B28 - LTE TDD B38,B39,B40,B41. Support 3G (UMTS B1,B2,B4,B5,B6,B8,B19) and 2G (GSM B2, B3,B5,B8). Modem LTE Cat 6, 12 or 20 available on request. 5G Sub 6-GHz SA/NSA mode: n1,n2,n3,n5,n7,n8,n12,n14,n18 ,n20,n25,n26,n28, n29, n30,n34,n38,n39,n40,n41,n46,n48,n 66,n71,n78,n79 - Version EU/US/Asia - mmWave support on request.
Dimensions & Weight	271 mm x 184 mm x 45 mm (LxDxH) Weight : 1.25 kg (2.5 kg with packaging)
Internet Connectivity	2x Ethernet 10/100/1000 Mbps ports 4G embedded modem with local SIM
Power Supply, Casing	DC 12V, 24V, 36V, Autoranging 100-240 V AC, 40W Optional 1U Rackable Casing

MR250 Software Features	
Data Software	Load Balancing / Bonding over multiple 4G links VPN, NAT, DHCP
SIM Card Management	Local or Remote SIM Card Allocation and Management
Optional Interfaces	Optional WiFi 802.11 a/b/g/n/ac 2,4Ghz-5Ghz 4G Modem with local M2M SIM card for Remote SIM connectivity, GPS

R250 Software Features	
Supported Functions	Voice Call, VoLTE, SMS, MMS, USSD, GPS, DATA, WAP/HTTP, SMTP, FTP, CDR, GSM Supplementary Services and SIM info
SIM Card Management	Local SIM cards or remote SIM through iQsim SIM Server technology
3rd Party Appl. Integration	Yes - System : Linux 3.0 - Disk space for Storage Available

M250/MS250 Features	
VoIP	Up to 8 simultaneous calls - ViBE client embedded - Codecs G.711, G.729, G.723
SMS	SMS In/Out, SMS Reply & Delivery Report SMPP delivered with IRON Suite
SIM Server	IRON Suite or IRON SIM Server One required (M250) IMEI management, HBS, Price Plan, IRON eVS technology

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