

Data Sheet

iQsim 250

2-8 ports Router 2G/3G/4G/5G
compact and modular telecom device



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.



MR250 - Mobile Internet with VSIM technology

The MR250 comes with a VSIM-enabled router software to provide data connectivity over multiple links on 4G/5G networks using Virtual SIM technology. The connection to the Virtual SIM Server is ensured through a dedicated 4G/5G 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/5G 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.

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

Contact Us

Email: sales@iqsim.com
Phone: + 1 908-389-8202
Whatsapp: +1 (442) 235-2794

Technical Specifications

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,n66,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
SIM Card Management	Local or Remote SIM Card Allocation and Management

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