

Mobile Gateway M400

for Professional Mobile Termination

Key benefits

Quad-Band GSM or UMTS modules

From 12 to 16 GSM ports in a 1U format

IRON Suite Compatible and Ready

Dynamic IP Support and NAT transversal

DHCP Support for an easy deployment

White labeled Equipment

The **iQsim M400 IP/GSM** mobile gateway offers **optimal density** of up to 16 GSM/3G ports in a **1U format**. GSM gateways can be deployed at **customer premises** such as retail outlets, small offices, colocations and **residential environments**.

By using iQsim M400 gateways, GSM deployment can be **geographically dispersed** according to your **needs and sites constraints**. Connected to **IRON SIM Server**, they offer the ideal solution for quality call and/or SMS termination.



iQsim M400 Gateway Benefits

› Save deployment time... and money

Connect an Ethernet cable, a power cord and the M400 gateway is ready to be used. It will receive its IP address **from a DHCP server and connect itself to IRON SIM Server**, ready to accept calls and/or SMS and route them to the mobile network.

› Offer Quality routes

The Voice quality Level combined with the fast Post Dial Delay (PDD) maximizes the Average Call Duration (ACD) to **provide end-users good service Quality**. The iQsim M400 gateway embeds state-of-the-art GSM engines as well as a unique voice-detection technology to provide **optimal voice quality and fast service routing**.

› «SIM Server Ready» for Flexibility and Security

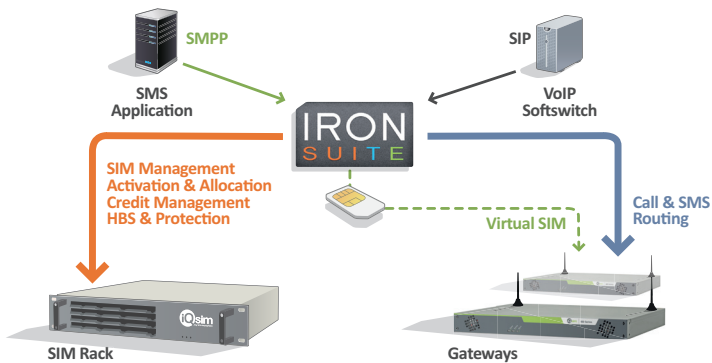
Mobile Gateways M400 are deployed SIM-less. Once installed in their locations, they **connect themselves to the IRON SIM Server to receive SIM cards**. This offers the flexibility to use any SIM card onto any GSM port at any time and also to store all SIM cards in a secured place avoiding loss or theft.



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SIM Management solution for Call Termination



iQsim SIM Management solution consists of 3 entities:

- **IRON Suite** or **IRON SIM Server One** which provides appliances to manage SIM control, SIM routing and SIM protection,
 - **SIM Racks**, SIM cards storage units,
 - **Mobile Gateways**, GSM or 3G connectivity.
- All components communicate with each other through TCP/IP and can be dispersed in different locations and countries.

Mobile Gateways with IRON Suite Technology

IRON Suite manages SIM cards on behalf of the gateway. It allocates **the most appropriate SIM card to each GSM port** of the gateway. The device will then access the SIM card information over IP by establishing a direct link to the SIM Rack.

The IRON Suite solution **routes IP to GSM calls to individual SIM cards once the call has been qualified and accepted**. In addition, it centralizes communication between the gateway and all IRON Suite components.

Mobile Gateway M400

Dimensions & Weight	L 400 mm, D 325 mm, H 45 mm Rackable 19'', 1U, 8 Kg
Power requirements	Auto ranging power supply 100-240V AC, 150 VA
Local network	Ethernet 10/100 Mbps, TCP/IP protocol
Compliance	CE Marking FCC
GSM/3G Channels	12 or 16
Frequencies	GSM 850/900/1800/1900 MHz UMTS 850/900/1900/2100 MHz
VOIP	16 simultaneous calls. IRON Suite or IRON SIM Server One required
VOIP CODECs	G.711, A-Law/ μ -Law, G.723.1, G.729, G.729a, G.729ab
False Answer Supervision (FAS)	Tones, Ringing, Voice Mail announcement advanced detection controlled

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