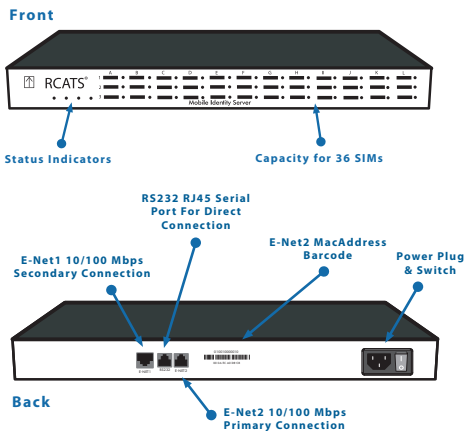


## Mobile Identity Server



### Key Features

- Rugged, embedded platform capable of testing multiple SIMs over multiple locations
- Designed for lights-out operation in remote locations, with support for downloadable remote software upgrades and rack-mounted installation
- Secure administrative access and control via telnet over Ethernet or serial port
- Front panel includes 36-slot SIM switch and intuitive indicator lights to reflect SIM usage
- Scales to support thousands of SIMs – the solution supports multiple MI Server Controllers, each MI Server Controller supports 10 MI Server Chassis, and each MI Server Chassis supports 36 SIMs
- Distributed architecture scales across hundreds of geographically dispersed locations

### Benefits

- Reduces operating cost by automating and centralizing service monitoring, testing and reporting
- Increases customer satisfaction by reducing the time required to detect customer-impacting problems
- Increases operator visibility of service quality by providing network-wide, real-time reporting of measurements and key performance indicators (KPIs)
- Improves consistency in customer experience by performing a common set of tests throughout the entire network footprint
- Reduces the time and risk to install or modify network infrastructure by providing extensive recursive testing capability
- Provides service quality baseline to measure impact of network changes and upgrades
- Increased revenue and reduced churn through positive customer satisfaction

The RCATS<sup>®</sup> Mobile Identity (MI) Server enables wireless service providers to automatically load and test, from a central location, multiple SIM cards into geographically dispersed Remote Test Probes. (GSM networks only)

The Mobile Identity (MI) Server allows the rapid, automated testing of wireless voice, data and messaging services using multiple SIMs. For wireless phones using GSM, GPRS, EDGE or HSDPA technologies, the SIM is the unique identity of the phone; it represents important information that discriminates one subscriber from another, and determines what features the subscriber will be granted access to on the wireless network.

Consisting of an MI Server Controller and one or more MI Server Chassis, the MI Server solution provides a centrally-located pool of SIM modules for testing various subscriber profiles in remote locations. It allows the remotely-located test instrument, the Remote Test Probe, to quickly switch identities, choosing from any of 36 SIMs in each MI Server Chassis. Multiple MI Server Chassis can be grouped together to provide a central repository of hundreds or even thousands of SIMs. The solution eliminates the need to physically send SIMs and technicians to each location, significantly reducing labor costs and logistical complexity.

The MI Server is part of the patented JDSU RCATS<sup>®</sup> solution, which provides automated testing, centralized management and aggregated reporting for large numbers of deployed probes. The solution allows wireless operators to access real-time, network-wide performance and availability information, enabling them to use this information to increase service quality, increase revenue and reduce costs.

Wireless operators face enormous pressure to attract and retain subscribers through new service offerings and improved network quality. JDSU, the leader in end-to-end service quality monitoring solutions for wireless networks, has specifically designed the turn-key RCATS<sup>®</sup> solutions for large-scale, operator-grade deployments worldwide.

## Specifications: MI Server Chassis

### Power Requirements

- 100 to 240VAC, 50/60 Hz
- Power consumption: 45W (max)

### Physical

- Size (H/W/D): 1U form factor
  - 47.625 x 428.625 x 203.2 mm
  - 1.875 x 16.875 x 8.0 inches
- Weight: 3.629 kg; 8 lbs
- Mounting: 19" or 23" rack-mounts

### Environmental

- Operating temperature: 0° to 50°C; 32° to 122°F
- Relative humidity: 8% to 80%, non-condensing

### Interfaces

- 36 SIM card ports (3.0V or 5.0V SIM cards)
- 1 Ethernet port (RJ-45; 10/100BaseT)
- 1 Additional Ethernet port reserved for future use
- 1 Serial port for configuration/diagnostics (RJ-45; RS-232)

## Specifications: MI Server Controller

### Power Requirements

- 100 to 240VAC, 50/60 Hz
- Power consumption: 280W (max)

### Physical

- Size (H/W/D): 1U form factor
  - 42 x 424.2 x 574 mm
  - 1.68 x 16.7 x 22.8 inches
- Weight: 12.27 kg; 27 lbs
- Mounting: 19" or 23" rack-mounts

### Environmental

- Operating temperature:
  - 10° to 35°C
  - 50° to 95°F
- Operating relative humidity:
  - 20% to 80%, non-condensing; 10% per hour gradient

### Interfaces

- 2 Ethernet ports (RJ-45; 10/100/1000BaseT)
- 1 Serial port for terminal or dialup modem (DB-9; RS-232)
- PS/2 Keyboard, PS/2 mouse and VGA video connectors

## Solution Requirements and Options

### Required RCATS® Solution Components

- RCATS® Remote Test Probes (RTPs)
- QoSExecutive
- QoSManager
- *Optional:* MI Server (centralized SIM repository)
- *Optional:* MI Server Controller

### RCATS® Remote Test Probes (RTPs)

- RCATS® RTP – GPRS/GSM
- RCATS® RTP – EDGE/GPRS/GSM
- RCATS® RTP – HSDPA/EDGE/GPRS/GSM
- RCATS® RTP – 1xEV-DO Rev. 0/1xRTT
- RCATS® RTP – 1xEV-DO Rev. A/1xRTT
- RCATS® RTP – iDEN

### Test & Measurement Regional Sales

NORTH AMERICA TOLL FREE: 1 866 228 3762 FAX: +1 301 353 9216	LATIN AMERICA TEL: +55 11 5503 3800 FAX: +55 11 5505 1598	ASIA PACIFIC TEL: +852 2892 0990 FAX: +852 2892 0770	EMEA TEL: +49 7121 86 2222 FAX: +49 7121 86 1222	WEBSITE: <a href="http://www.jdsu.com">www.jdsu.com</a>
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### Manageability

- Telnet access/control via Ethernet or serial port
- Downloadable remote software upgrades
- Intuitive front panel indicators to reflect SIM usage

### Reliability

- Rugged, embedded form factor with optional rack mounts
- No moving parts such as fans or disk drives
- Fail-safe watchdog reset timer for lights-out resiliency
- Embedded Linux operating system with purpose-built drivers

### Support and Warranty

- One-year return-to-factory hardware warranty
- 90-day software warranty
- Web-based support and toll-free customer hotline support
- Optional hardware and software extended warranty coverage

### Scalability

- Supports up to ten (10) MI Server Chassis, or 360 SIMs
- Additional controllers can be added to support thousands of SIMs

### Manageability

- Telnet access/control via Ethernet or serial port
- Downloadable remote software upgrades

### Reliability

- Industry-standard rack mount server
- Embedded Linux operating system with purpose-built drivers

### Support and Warranty

- One-year return-to-factory hardware warranty
- 90-day software warranty
- Web-based support and toll-free customer hotline support
- Optional hardware and software extended warranty coverage

### RCATS® Managed Services

- RCATS® RoamerNet®

### RCATS® Service Validation Packages (SVPs)

- RCATS® SVP – Basic Voice
- RCATS® SVP – Supplementary Services
- RCATS® SVP – Basic Data
- RCATS® SVP – WAP
- RCATS® SVP – SMS
- RCATS® SVP – MMS
- RCATS® SVP – Voice Quality
- RCATS® SVP – IVR