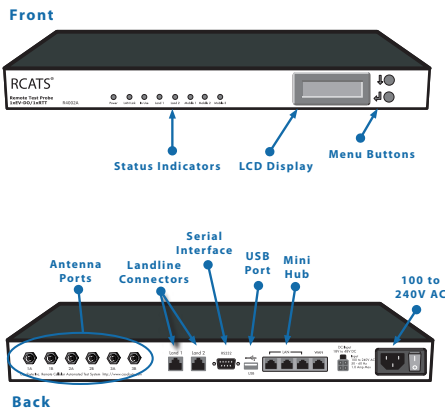


RTP – 1xEV-DO REV. A/1xRTT



Key Features

- Tests multiple services from an end-user perspective
- Rugged, embedded platform designed for operation in remote locations, with support for downloadable remote software upgrades, and rack-mounted installation
- Secure access and control via Web-based *QoSExecutive* or telnet over Ethernet, dialup or serial port
- Embedded PCMCIA card slots enable support for operator-selected data cards for 1xEV-DO and 1xRTT
- Interactive mode for network development and troubleshooting
- Front panel includes easy-to-use menu buttons and LCD for local configuration
- Distributed architecture scales across hundreds of geographically dispersed locations

Benefits

- Increases customer satisfaction by reducing the time required to detect customer-impacting problems
- Reduces operating cost by automating monitoring, testing and reporting
- 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
- Increased revenue and reduced churn through positive customer satisfaction

The RCATS[®] RTP – 1xEV-DO REV. A/1xRTT (Remote Test Probe) enables wireless service providers to actively monitor and improve the quality of services they deliver to their end customers.

The RTP tests data services from a subscriber perspective within 1xEV-DO and 1xRTT networks. It is a self contained, rack-mountable unit that can be deployed throughout the network. The RTP is remotely accessed and controlled through the Web-based *QoSExecutive* or telnet over Ethernet or serial port.

The RTP is a rugged, embedded platform capable of supporting multiple RCATS[®] Service Validation Packages (SVPs), such as Basic Data, WAP and others. This enables operators to target the specific services they wish to monitor upon deployment and provides the flexibility to add new services to existing RTPs already deployed in the field.

The RTP is part of the patented JDSU RCATS[®] 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[®] solutions for large-scale, operator-grade deployments worldwide.

Service Specifications

Frequency Band

- 800 Mhz Cellular band
- 1900 Mhz PCS band

Technical Specifications

Power Requirements

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

Physical

- Size (H/W/D):
 - 1U form factor
 - 47.625 x 428.625 x 254 mm
 - 1.875 x 16.875 x 10.0 inches
- Weight: 3.175 kg; 7 lbs
- Mounting: 19" or 23" rack-mounts (23" option)

Environmental

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

Interfaces

- 4/6 Antenna connectors (SMA, 2 connectors per module, maximum 3 modules)
- 1 Ethernet ports (RJ-45; 10/100BaseT) (WAN)
- 3 Additional Ethernet ports reserved for future use (LAN)
- 1 Serial port for terminal or dialup modem (DB-9; RS-232)
- 1 USB port (for future use)
- 2 Telephone connectors (RJ-11) (requires basic voice SVP)

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

Data Services

- IS-856-A (1xEV-DO, Revision A)
 - Downlink up to 3.1Mbps
 - Uplink up to 1.8Mbps
- IS-2000 (CDMA 1xRTT)
 - Forward and reverse links up to 153.6Kbps

Signal Reception

- Remotely-mounted, high-gain antennas
- Recommended signal strength: -80 dBm or better
- Diversity antenna inputs

Manageability

- Web-based access/control via QoSExecutive
- Telnet access/control via Ethernet, dialup or serial port
- Interactive mode for network development and troubleshooting
- Downloadable remote software upgrades
- Easy-to-use front panel buttons and LED display for local configuration

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 operating system with purpose-built drivers

Support and Warranty

- One-year return-to-factory hardware warranty excluding phone modules
- 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

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: www.jdsu.com
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