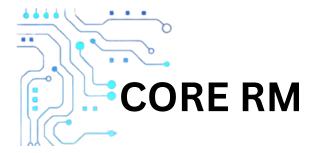# AGILE

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AGILE CAGE: 7WTH2
AGILE DUNS: 080324701
NAICS CODE: 334220
GSA MAS CONTRACT NUMBER: 47QTCA19D0052

CORE RM

Flexible Communications Platform

The AGILE CORE RM series are IP to LTE rack mounted gateways that integrate bonded multi-channel cellular LTE, Wi-Fi and optional Land Mobile Radio extension capabilities. CORE RM is typically secured in a telecom rack that can be in a fixed location or in a mobile package such as the AGILE CORE system. CORE RM provides telecommunication access for data, voice, SMS, and fax with eight Cat 6 LTE channels. Each LTE channel supports voice, SMS, and data up to 300 Mbps downstream and 50 Mbps upstream. Designed for ease of use by utilizing leading-edge technology CORE RM is ready to keep pace with your growing communications needs.

The Basics

- 1U 19-inch rack-mount
- 100-240 VAC, 50 watts
- Passively cooled for a wide range of temperatures
- Global support for all LTE frequencies
- 8 LTE Cat 6 radio modules optimized for M2M and IoT applications
- 8 local micro-SIM (3FF) sockets
- Load balancing for high throughput Scalability and Operational Ease
- Integrated MIMO antenna architecture with one antenna for MAIN and DIV per 2 radios enables the best coverage and throughput with 8 cellular antennas.
- Optional GNSS provides exact location information via GPS, GLONASS, BeiDou, Galileo, QZSS

Scalability and Operations

- 8 LTE Cat 6 radio modules onboard with local 8 micro-SIM cards slots.
- Voice: via VoLTE/UMTS/GSM – depending on network, SIP (RFC 3261 ff), Codecs: G.711, G.729, G.722, T.38, Integrated SIP registrar
- CORE RM provides data transfer rates of 300 Mbps downlink and 50 Mbps uplink per radio.
- CORE RM can support high volume SMS messaging with various APIs for sending & receiving SMS: command line, HTTPS interface, SIP interface
- The optional Netview server configures and checks in on all CORE systems.
- The optional Netview server reduces maintenance and maintenance downtime while providing integrated system status reports.
- The optional Netview server provides the MMS feature.
- CORE RM operates globally with all GSM carriers, no need to worry about which bands are supported.

Every CORE RM has an internal high throughput architecture that utilizes Gigabit bandwidth for data applications like VPN and provides a download speed of up to one Gbps. With 8 LTE channels, you can split your traffic to standard Internet access, separate secure VPNs and/or 'binding' different users and different 4G/LTE channels. With the optional Netview server, you can manage every CORE system. The integrated MIMO antenna architecture of the CORE RM with just one antenna for MAIN and DIV for two 4G/LTE channels enables the best coverage and throughput with just eight antennas.

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Billet milled aluminum case for mobile, portable and office applications

Global Version

CORE RM is the ideal solution as a backup with primary land-based services fail or are not available or as the standard WAN connection using customer provided satellite or land-based services. Once configured CORE RM will manage the switching with no user action required.

Products: CORE RM X1, CORE RM X2 (NetView)				
Systems:	**CORE**		**Features**	• IP Routing IPv4, IPv6, Dual Stack Integrated IP router/firewall
Data Rates per Cat 6 LTE Channel, 8 Channels	• LTE-FDD: Max. 300 Mbps (DL) / Max. 50 Mbps (UL) • LTE-TDD: Max. 226 Mbps (DL) / Max. 28 Mbps (UL)			• Channel Bonding/Load Balancing • IVPN NAT.DHCP • Voice via VOLTE/UMTS/GSM-depending on network SIP (RFC 3261ff)
Global: (Worldwide LTE) Bands Supported	• LTE-FDD: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26 / 28/ 29/ 30/ 32/ 66/ 71 • LTE-TDD: B34/38/39/40/41/42/43/46 /48 (CBRS) • LTE-LAA: B46			• Codecs: G.711, G.729, G.722, T.38 Integrated SIP registrar • Maintenance over the air (OTA) remote provisioning event and alarm management interfaces • Ethernet: 1x10/100/1000 Base-T RJ-45
Data Rates per WCDMA Channel, 8 Channels	• DC-HSDPA: Max. 42 Mbps (DL) • HSUPA: Max. 5.76 Mbps (UL) • WCDMA: Max. 384 Kbps (DL/UL)			• GNSS: GPS, GLONASS, BeiDou, Galileo, QZSS • SIM: 8 x SIM card slots, micro-SIM (3FF) • Power: 100-240 VAC, 50W Redundant power supply (optional)
	8 Micro-SIM (3FF) slots 8 Antennas required, BNC connector)		**Physical Parameters**	• Dimensions (W x H x D): 17.4 x 1.7 x 10.2 inches / 442 x 43 x 260 mm • Weight: 5.07lb / 2.3kg • Material: Aluminum • Mounting: 19" 1U rack
Global: UMTS Bands Supported	• WCDMA: B1/ 2/ 3/ 4/ 5/ 6/ 8/ 19			
AGILE LTE antennas styles:	• Antenna Standard - SMA connected antenna low height directional • Antenna Premium - SMA connected antenna mid height directional • Antenna Premium - Wired SMA lead antenna flat panel		**Operating Range**	• Temperature: 41°F to 104°F / 5°C to 40°C
Approval Carriers	• Verizon/AT&T/T-Mobile/NTT DOCOMO/KDDI/Vodafone/British Telecom/Orange/Deutsche Telekom/Telstra/Telefónica		**Certifications**	EMC, Safety, CE, FCC
Regulatory	• GCF/PTCRB/NCC/CE/RCM/FCC/IC/JATE/TELEC/Anatel		**Warranty and Service Standard**	• 1 Year Limited Hardware warranty • Optional 1 Year Basic or Premium Tech Support • 1 year Tech Support and Hardware warranty extensions are available for years 2 through 5
Wired	• 1 Ethernet 1x10/100/1000 Base-T (RJ-45)			