



## Online Access - Everywhere, Everytime & Everyplace

CORE RM provides telecommunication access for data, voice, SMS and fax with up to eight 4G/LTE channels. Each mobile channel supports CAT 4 data (up to 150 Mbits downstream & 50 Mbits upstream), voice and SMS.



## The Basics

- 8X4G/LTE channels for data, voice, fax & SMS
- Worldwide LTE, UMTS/HSPA(+) and GSM/GPRS/EDGE coverage
- LTE Cat 4 module optimized for M2M and IoT applications
- Fallback to 3G/UMTS & 2G/GSM
- Channel bonding & load balancing for high throughput
- Open VPN & WireGuard VPN support
- Local and cloud-based SIM management
- Optional integrated GPS/GNSS
- Optional redundant power supply

## Scalability and Operational Ease

- High Bandwidth & Throughput: Each mobile channel supports CAT 4 data (up to 150 Mbits downstream & 50 Mbits upstream), voice & SMS.
- High Availability: Up to eight different mobile networks, redundant power supply, multiple SIMs available with optional Agile Fusion Server that provides mobile access that meets industrial grade high availability requirements.
- With cloud-based SIM management provided by the optional Agile Fusion Server, Agile RM operates independently of physical SIM cards. SIMs are managed and distributed via the Fusion Server based on the region the Agile RM is serving.
- The Agile RM operates globally with all GSM carriers, no need to worry about which bands are supported. Add the cloud based Agile Fusion Server and the Agile RM will receive the correct SIM cards as needed. Fully mobile.

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 Gbits. With 4G/LTE channels, you can split your traffic to standard Internet access, separated secure VPNs and/or 'binding' different users and different 4G/LTE channels. With the Fusion Server SIM management, CORE

RM operates independently from the physical SIM cards. The integrated MIMO antenna architecture of the CORE RM with just one antenna for MAIN and DIV for two 4G/LTE channels enable the best coverage and throughput with just eight antennas.

## FLEXIBILITY TODAY AND TOMORROW

CORE RM has 8 cellular LTE radios onboard that covers most frequencies of service around the world, including all major North American carriers. This flexibility allows not being limited with one service provider when you make your LTE gateway purchase or having to change your hardware if you are changing your service provider.

# CORE RM

Product Specification Data Sheet

## Carrier-grade 19" case for mobile, portable and office applications



### AGILE ROUTING

Our devices automatically search for the best throughput connection available. There can be a cell tower connection of LTE and as your mobile, if connection is lost, it will automatically connect to satellite. As you continue to be mobile, if the device finds a LTE connection 2 minutes later, it will automatically connect from satellite to LTE, hands-free. The customer does not have to monitor Agile routing.

4G LTE 8 Radios, 8 onboard SIM slots (unlimited virtual SIM slots optional)

#### Bands Supported

- LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
- LTE-TDD: B38/B39/B40/B41
- WCDMA: B1/B2/B4/B5/B6/B8/B19
- GSM: B2/B3/B5/B8

#### Data Rates

- LTE-FDD: up to 150Mbps (DL) & 50Mbps (UL)
- LTE-TDD: up to 130Mbps (DL) & 30Mbps (UL)
- UMTS: DC-HSDPA: up to 42Mbps (DL) & 5.76Mbps (UL)
- WCDMA: up to 384Kbps (DL) & 384 Kbps (UL)
- GSM: Edge: up to 296 Kbps (DL) & 236.8Kbps (UL)
- GPRS: up to 107Kbps (DL) & 85.6Kbps (UL)

#### Approval Carriers:

- Deutsche Telekom (Europe), Verizon/AT&T/Sprint/US Cellular/T-Mobile\*(North

America), Telus/Rogers\*(Canada)

#### Regulatory:

- GCF (Global), CE (Europe), FCC/PTCRB (N.America), IC (Canada), Anatel (Brazil), IFETEL (Mexico), SRRCC/CCC/NAL (China), KC (South Korea), NCC (Taiwan, China), JATE/TELECOM (Japan), RCM (Australia & New Zealand), FAC\* (Russia), NBTC (Thailand), IMDA (Singapore), ICASA (South Africa)
- Others: RoHS, WHQL

#### LAN

- Ethernet 1x10/100/1000 Base-T
- WLAN 802.11b/g/n (optional)

#### Features

- IP Routing IPv4, IPv6, Dual Stack Integrated IP router/firewall Channel Bonding/Load Balancing VPN NAT. DHCP
- Voice via VoLTE/UMTS/GSM- depending on network SIP (RFC 3261 ff)
- Codecs: G.711, G.729, G.722, T.38 Integrated SIP registrar
- Maintenance Over the air (OTA)

Remote provisioning Event & alarm management

#### Interfaces

- Ethernet: 1x10/100/1000 Base-T RJ-45
- Antenna: MIMO: 4xSMA female (MAIN, AUX) GNSS: 1xSMA female (optional)
- SIM: 8xSIM card slots, micro SIM, Cloud-based SIM via Fusion Server
- Power: 100-240 VAC, 50W Redundant power supply (optional)

#### Physical Parameters

- Size (WxHxD): 442x43x260mm
- Weight: 5.07lb/2.3kg
- Material: Aluminium
- Mounting: 19" 1U rack

#### Environmental:

- Temperature: +5°C to +40°C
- Humidity: 5% to 80% (non-condensing)

Certifications: EMC, Safety, CE, FCC

### AGILE COMPARED

Agile Products	Competitors
8 Radios	1-2 Radios
4 Processors	1 Processor
1 Router	NO Router (not included)
Firewall	NO Firewall
Ruggedized Case	NOT Ruggedized

## MORE BANDWIDTH LESS EXPENSE!

### WE ARE AGILE

We engineer the hardware. We design the software. We build the solution. With committed support.

**AGILE**

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