



MARINE CORE

Flexible Communications Platform

AGILE Marine seamlessly resolves the connection issues related to congested marina Wi-Fi, spotty cellular connections, or no connections at all.

Delivering high-performance LTE service for HD streaming and Internet in the U.S. and Internationally more than 25 miles (40km) offshore. Now you can enjoy more reliable coverage and faster speeds.



The Basics

- Intelligent software to scan for the best LTE connection available.
- Smart routing for automatic switching between LTE and satellite services and back to LTE to reduce satellite usage.
- 4 LTE channels / 4 SIM slots for each Marine CORE
- Automatic switching between carriers for expanded coverage.
- 4 SIM cards installed in the unit, virtual download possible via CORE Control 2 service.
- Large coverage area secured Wi-Fi for multiple devices.
- GPS tracking embedded in the unit.
- Interconnect points for mobile data units, surveillance equipment, and other devices.
- Conformally coated boards and billet aluminum construction for durability.
- Passively cooled for a wide range of temperatures.

Scalability and Operational Ease

Marine CORE is a communications hub designed for yachts, ships or any location that experiences moist conditions. Marine CORE resolves issues related to congested marina Wi-Fi, spotty cellular connections, or no connections at all. Marine CORE provides a secure multi-channel LTE internet connection when a vessel is nearshore reducing satellite costs while providing a robust internet connection allowing services for passengers and crew like; calling, text, chat, checking email, browsing the internet, video conferences, using apps, streaming video/music, and posting on social media.

Marine CORE integrates bonded multi-channel cellular LTE, Wi-Fi, GPS, and optional Land Mobile Radio extension capabilities. Marine CORE may be mounted in any vessel or location wherein moisture security is

a concern. Designed for ease of use utilizing leading-edge technology, Marine CORE is ready to keep pace with your growing communications needs.

Every Marine CORE has sophisticated software that manages cell tower handoffs as you travel, maximizing signal strength and automatically searching for the best throughput connection available. Use of bonded LTE aggregation allows Marine CORE users the ability to maintain session persistence even if one or more of the cell connections fail for any reason. The optional LMR extension functions in the background to detect loss of service to the trunked radio network and will send the transmission over the LTE connection. This requires no action by the operator.

We Can Also Provide the Cellular Service (Optional)

AGILE can provide cellular service LTE plans for different regions using local service providers to offer max speed, monthly throughput of data and cost effectiveness with onboard SIMS and from our SIM library.

FLEXIBILITY TODAY AND TOMORROW

Marine CORE has four LTE radios on board that support all bands of LTE service, including all major North American carriers. This flexibility frees you from being limited to just one service provider when you purchase your LTE router and from having to replace your hardware when switching to a new cellular service provider.

Marine CORE

Product Specification Data Sheet

Billet milled aluminum case for marine, mobile and portable applications



AGILE ROUTING

Our devices automatically search for the best throughput connection available. If all LTE connections are lost, Marine CORE will automatically connect to the satellite. If the device finds a LTE connection it will reconnect to the first available LTE service, hands-free. The customer does not have to monitor AGILE routing.

* Products: Marine CORE X2, Marine CORE A2E

Systems: CORE Patrol X2, CORE Patrol LMR X2, CORE CommsKit X2, CORE CommsKit LMR X2

Data Rates per LTE Channel, 4 Channels: (LTE Cat. 18)

- Uplink up to 150 Mbps
- Downlink up to 1.2 Gbps

Global: (Worldwide LTE)

Bands Supported

- 4G: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B38, B39, B40, B41, B42, B43, B46, B48 (CBRS ready), B66, B71
- 3G: B1, B2, B4, B5, B8, B9, B19

* Products: Marine CORE

Systems: CORE Patrol, CORE Patrol LMR, CORE CommsKit, CORE CommsKit LMR

Data Rates per LTE Channel, 4 channels: (LTE Cat. 4)

- Uplink up to 50 Mbps

• Downlink up to 150 Mbps North America: (Dedicated public safety, first responder networks, AT&T, Verizon, T-Mobile) Band Supported:

- 4G: B2, B4, B5, B12, B13, B14, B71
- 3G: B2, B5

Global: (Worldwide LTE) Bands Supported:

- 4G: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B38, B39, B40, B41

- 3G: B1, B2, B4, B5, B6, B8, B19

4 3FF Micro SIM slots (optional SIM population via CORE Control 2)

Marine CORE X2 - 8 GSM antennas, one optional GPS antenna, the unit has 2 internally mounted WiFi antennas.

Marine CORE - 4 GSM antennas, one optional GPS antenna, the unit has 2 internally mounted WiFi antennas.

AGILE LTE antennas:

- Antenna Standard - SMA connected antenna low height directional
- Antenna Premium - SMA connected antenna mid height directional
- Antenna Premium - Wired SMA lead antenna flat panel

Wi-Fi

- Dual Radio
- Dual Band
- 2.4/5 GHz
- 802.11a/b/c/g/n/ac

Wired

- 6=>4out+2in Gigabit RJ-45 Ethernet Ports
- 2 USB 2.0 Ports

WLAN Security

- WPA, WPA 2, WPA-PSK, WPA-EAP

GPS

- Active NMEA Passive NEMA

Structure Power

- 4 to 40 VDC

Dimensions

- 5 15/16" x 63 1/8" x 2 1/16"
- 151mm x 156mm x 52mm

Weight

- 3lb / 1.4kg

Operating Range

- -22°F to 158°F
- -30°C to +70°C
- IP64

Security FIPS-140-2

- Optional

VPN

- IPSEC Tunneling

Warranty and Service

Standard

- 1 Year Limited

Optional

- 2, 3, 5 year

MORE BANDWIDTH LESS EXPENSE!

WE ARE AGILE

We engineer the hardware. We design the software. We build the solution.



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