



Marine CORE

Flexible Communications Platform

AGILE Marine offers comprehensive connectivity solutions tailored for marinas experiencing issues with overcrowded Wi-Fi networks, inconsistent cellular signals, or a complete lack of internet access.

Providing premium LTE services for HD streaming and internet access across the US and worldwide, with coverage extending up to 25 miles (40 kilometers) at sea. Users can expect enhanced network reliability and quicker data speeds.

The Basics

- Intelligent software for scanning and identifying optimal LTE connectivity
- Smart routing for automatic switching between LTE and satellite services, with a return to LTE to minimize satellite usage
- 4 LTE channels / 4 SIM slots per Marine CORE
- Automatic carrier switching for broader coverage
- The unit supports 4 SIM cards from any global carrier
- Extensive Wi-Fi wireless range with protected network access for various connections
- GPS tracking embedded within the unit
- Interconnect points for mobile data units, surveillance equipment, and other devices
- Durable construction features conformally coated circuit boards and a billet-milled aluminum chassis
- Passively cooled for a wide range of operating temperatures.



Scalability and Operations

Marine CORE is a communications hub designed for yachts, ships, or any location exposed to moist conditions. It resolves issues with congested marina Wi-Fi, spotty cellular connections, or no connection at all. Marine CORE provides a secure, multi-channel LTE internet connection when nearshore, reducing satellite costs while delivering a robust connection for passengers and crew to call, text, chat, check email, browse the internet, video conference, use apps, stream video/music, and post on social media. Comparative testing demonstrates the Marine CORE extends cellular range 2 to 2.5 times further offshore compared to standard cellular devices.

Marine CORE integrates bonded multi-channel cellular LTE, Wi-Fi, GPS, and optional Land Mobile Radio extension capabilities. It can be mounted in any vessel or location where moisture is a concern. Designed for ease of use and built with leading-edge technology, Marine CORE is ready to meet your growing communication needs.

Marine CORE feature sophisticated software that manages seamless cell tower hand-offs, maximizing signal strength and automatically selecting the best available connection. Bonded LTE aggregation ensures session persistence, even with cell connection failures. The optional LMR extension automatically detects trunked radio network outages and reroutes transmissions over LTE, requiring no operator intervention.



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Product Specification Data Sheet

Billet milled aluminum case for mobile, portable and office applications



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

Products: Marine CORE			
Data Rates per CAT 6 LTE-A Channel, 4 Channels	• LTE-FDD: Max. 300 Mbps (DL) / Max. 50 Mbps (UL) • LTE-TDD: Max. 226 Mbps (DL) / Max. 28 Mbps (UL)	Wired	• 6 Gigabit RJ-45 Ethernet Ports • 2 USB 3.2 Ports
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/ 48 (CBRS) • LTE-LAA: B46	WLAN Security	• WPA, WPA 2, WPA-PSK, WPA-EAP
Data Rates per WCDMA Channel, 4 Channels	• DC-HSPA: Max 42 Mbps (DL) • HSUPA: Max 5.76 Mbps (UL) • WCDMA: Max 384 Kbps (DL/UL)	GPS	• Active NMEA Passive NEMA
Global: UMTS Bands Supported	• WCDMA B1/ 2/ 4/ 5/6/ 8/ 19	Structure Power	• 4 to 40 VDC
Processing	Intel Atom, 4 Gb RAM, 32 Gb Storage (eMMC)	Dimensions	• 5.94489in x 6.14173in x 2.04724in • 151mm x 156mm x 52mm
4 3FF Micro SIM slots		Weight	• 3 lb / 1.4kg
		Operating Range	• -22°F to 158°F • -30°C to +70°C • IP64
Marine CORE	4 GSM antennas, 1 optional GPS antenna, the unit has 2 internally mounted Wi-Fi antennas	Security FIPS-140-2	• Optional
Wi-Fi	• Dual Band Radio 2.4/5 GHz • 802.11a/b/c/g/n/ac	VPN	• IPSEC Tunneling
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	Warranty and Service	• 1 Year Limited Hardware • 1 Year standard or premium support available • 1 year support and hardware warranty extensions are available for years 2 through 5



WE ARE AGILE

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