



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 Operations

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. Comparative testing results have shown the Marine CORE to have a range of 2-2 1/2 times further offshore than a regular cellular device.

Marine CORE integrated 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 hands-off 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.



Marine CORE 5G

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 LTE connections are lost, Mobile CORE will automatically connect to the satellite. 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, Marine CORE X2, Marine CORE A2E			
Systems:	CORE CommsKit X2, CORE CommsKit LMR X2		
Data Rates per LTE Channel, 4 Channels (LTE Cat. 18)	<ul style="list-style-type: none"> Uplink up to 150 Mbps Downlink up to 1.2 Gbps 	Wired	<ul style="list-style-type: none"> 6 => 4 out + 2 in Gigabit RJ-45 Ethernet Ports 2 USB 2.0 Ports
Global: (Worldwide LTE) Bands Supported	<ul style="list-style-type: none"> 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 	WLAN Security	<ul style="list-style-type: none"> WPA, WPA 2, WPA-PSK, WPA-EAP
Systems:	CORE CommsKit, CORE CommsKit LMR		
Data Rates per LTE Channel, 2 Channels (LTE Cat. 4)	<ul style="list-style-type: none"> Uplink up to 50 Mbps Downlink up to 150 Mbps 	GPS	<ul style="list-style-type: none"> Active NMEA Passive NEMA
North America: (Dedicated public safety, first responder networks, AT&T, Verizon, T-Mobile) Bands Supported:	<ul style="list-style-type: none"> 4G: B2, B4, B5, B12, B13, B14, B71 3G: B2, B5 	Structure Power	<ul style="list-style-type: none"> 4 to 40 VDC
Global: (Worldwide LTE) Bands Supported	<ul style="list-style-type: none"> 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 	Dimensions	<ul style="list-style-type: none"> 5 15/16" x 6 1/8" x 2 1/16" 151mm x 156mm x 52mm
4 3FF Micro SIM slots (optional SIM population via a CORE Control 2 system)		Weight	<ul style="list-style-type: none"> 3 lb / 1.4kg
		Operating Range	<ul style="list-style-type: none"> -22°F to 158°F -30°C to +70°C IP64
Marine CORE X2	8 GSM antennas, one optional GPS antenna, the unit has 2 internally mounted Wi-Fi antennas	Security FIPS-140-2	<ul style="list-style-type: none"> Optional
Marine CORE	4 GSM antennas, one optional GPS antenna, the unit has 2 internally mounted Wi-Fi antennas	VPN	<ul style="list-style-type: none"> IPSEC Tunneling
AGILE LTE antennas:	<ul style="list-style-type: none"> 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 Standard	<ul style="list-style-type: none"> 1 Year Limited
Wi-Fi	<ul style="list-style-type: none"> Dual Radio Dual Band 2.4/5 GHz 802.11a/b/c/g/n/ac 	Optional	<ul style="list-style-type: none"> 2, 3, 5 year



WE ARE AGILE

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

