TracNet™ Coastal Technical Specifications
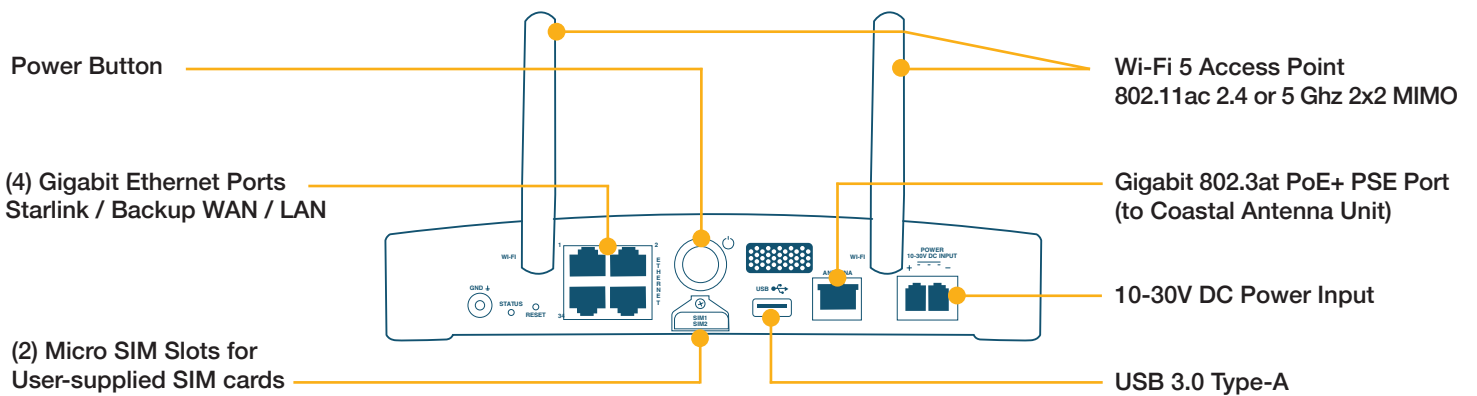## Stream. Talk. Watch. Connect.

Enjoy faster, smaller, more intelligent communications at sea with a high-powered, single-cable, marinized cellular/Wi-Fi solution with service around the globe.

- As fast as 300 Mbps on the KVH ONE® network
- "2-in-1" hybrid design combining the power of 5G/LTE cellular and Wi-Fi
- Connectivity in the waters where you travel most
- Compact and light with single-cable installation
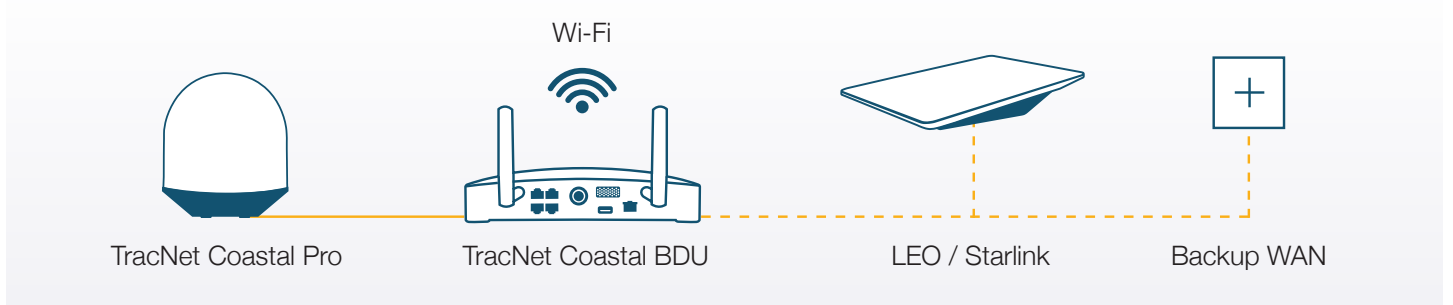- All supported by KVH's premier, 24/7 live KVH OneCare™ service

TracNet Coastal Versions

TracNet Coastal*

Marina Wi-Fi
5G Cellular

TracNet Coastal

PoE Injector

*User-supplied Wi-Fi access point recommended

TracNet Coastal Pro

Marina Wi-Fi
5G Cellular

TracNet Coastal Pro

TracNet Coastal BDU

TracNet Coastal Pro Below Deck Unit (BDU)

Power Button

(4) Gigabit Ethernet Ports
Starlink / Backup WAN / LAN

(2) Micro SIM Slots for
User-supplied SIM cards

Wi-Fi 5 Access Point
802.11ac 2.4 or 5 Ghz 2x2 MIMO

Gigabit 802.3at PoE+ PSE Port
(to Coastal Antenna Unit)

10-30V DC Power Input

USB 3.0 Type-A

TracNet Coastal Pro Starlink/LEO Configuration

Wi-Fi

TracNet Coastal Pro

TracNet Coastal BDU

LEO / Starlink

Backup WAN

	Specifications
Antenna Unit	

		Specifications
CELLULAR	Region	Global 5G radio with 4G & 3G fallback
	Standards	**5G NR:** 3GPP Release 16 NSA/SA operation, Sub-6 GHz **4G LTE:** DL Category 19/UL Category 18 **3G UMTS:** WCDMA
	Frequency Bands	**5G NR SA/NSA:** n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/ 38/40/41/48/66/70/71/75/76/77/78/79
		4G LTE-FDD: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71 **4G LTE-TDD:** B34/38/39/40/41/42/43/48
		3G UMTS LAA: B46 **3G UMTS WCDMA:** B1/ 2/ 4/ 5/ 8/ 9
	Antenna Gain	**617 - 960 MHz:** 1.2 dBi ± 1.2 dB
		1.4 - 3.5 GHz: 2.5 dBi ± 1.5 dB
		3.5 - 6 GHz: 5.5 dBi ± 3.5 dB
	Carrier Certifications	T-Mobile / AT&T
	SIM Technology	Internal KVH eSIM with over-the-air provisioning
WAN Wi-Fi (Client)		802.11ac 2.4/5 Ghz 2x2 MIMO (Wi-Fi 5)
GNSS		GPS/GLONASS/BDS/Galileo/QZSS
Power & Data Cabling		Easy, single-cable install via Category 6a Power over Ethernet (802.3at PoE+)
Diameter x Height		34.3 cm x 33.3 cm (13.5 in x 13.1 in)
Weight		3.6 kg (8 lbs)
Operating Temperature		-25°C to +55°C (-13°F to +131°F)
Survival Temperature		-30°C to +70°C (-22°F to +158°F)

Below Deck Unit	**TracNet Coastal**	**TracNet Coastal Pro**
Gigabit Ethernet Ports	1, User LAN only	4, Configurable as Starlink WAN/ Backup WAN/User WAN
LAN Wi-Fi (Access Point)	N/A	802.11ac 2.4 or 5 Ghz 2x2 MIMO (Wi-Fi 5) Dual-simultaneous WAN & LAN Wi-Fi
Accessible Micro-SIM Slots	0	2, user-accessible at Below Decks
Power Input	10-30 Volts DC (direct wire), with available AC Power Supply option	
Power Consumption (Nominal/Max)	10W/14W	16W/22W
Length x Width x Height	8.0 cm x 8.5 cm x 3.6 cm (3.0 in x 3.3 in x 1.4 in)	20.5 cm x 23.6 cm x 4.4 cm (8.0 in x 9.0 in x 1.7 in)
Weight	0.23 kg (0.5 lbs)	1.8 kg (4 lbs)
Operating Temperature	-15°C to +55°C (+5°F to +131°F)	
Survival Temperature	-25°C to +70°C (-13°F to +158°F)	

Complete System	**TracNet Coastal**	**TracNet Coastal Pro**
Intelligent Connection Switching Number of WANs Supported	2 Cell/WAN Wi-Fi	4 Cell/WAN Wi-Fi/Starlink/Backup WAN
Networking	IPv4/Routing/NAT/DHCP	
Certifications	IEC/EN 60945:2002/COR1:2008 Maritime Equipment IEC/EN 62368-1:2014 Product Safety FCC Part 15 Subpart B, Class B/FCC ID RoHS/REACH	
Warranty	2-years parts, 1-year labor	
KVH Part Number	01-0465-01	01-0465

Speed and coverage area will vary based on antenna mounting location; onboard network equipment (including hardwired Ethernet connection or belowdeck Wi-Fi access point); position, height of, and distance to cell towers; network congestion; and network type. Service reception may also be affected by environmental or operational conditions, and its uninterrupted availability is not guaranteed.

For more information, visit **kvh.com/coastal** or contact **sales@kvh.com**