



## Key benefits

- 1** Enables data connectivity up to 100kbps and voice calling on a single line
- 2** Compact, lightweight antenna
- 3** Quick and easy installation
- 4** Reliable, high quality communications
- 5** Low-cost entry point to maritime connectivity

## Fleet One

### Connectivity for smaller boats

Fleet One is specifically designed to meet the low data usage demands of occasional or seasonal users when they move out of VHF or GSM coverage areas. Inmarsat now offers two service plans to put satellite broadband in the reach of any size of commercial or leisure vessel.

Fleet One brings to the maritime communications world unparalleled advantages in cost performance and ease of use. While at sea, Fleet One will be your indispensable partner for all of your business or leisure communications needs.

Based on Inmarsat's dependable, global I-4 satellite network, Fleet One makes it easy to talk, text, and send and receive emails at sea. Fleet One offers one voice line and data up to 100kbps - ideal for accessing full-colour weather images, navigational charts and routing information, as well as sending reports and browsing the web.

And with Inmarsat's free 505 Emergency Calling service included, Fleet One helps keep sailors safe



## Approvals

Inmarsat Fleet One approved. Compliant to RTTE, CE Marked. Testet to FCC part 25

## Frequency band

Rx	1518 - 1559 MHz
Tx	1626.5 - 1660.5 MHz / 1668.0 - 1675.0 MHz
Ch. spacing	10.5 - 189 kHz, Rx / 21 - 189 kHz, Tx
Ch. size	1.25 KHz

## Recommended antenna cable

Cable loss max/min 20 dB at 1,62 GHz and 1.0 Ω DC loop resistance max. 3 dB at 36 - max. 4 dB at 54 MHz

## Environmental conditions

Ambient Temperature	-25 to +55°C
Storage	-40 to +85°C
Survival (power on, non functional)	-40 to +80°C
Automatic thermal surveillance shuts down system gradually in ease of own temperature	
BDU operating humidity	95% non-condensing at +40°C
ADU enclosure	IPX6
ADU operating humidity	"Exposed" according to EN60 945
BDU enclosure	IP30
Icing (survival)	Max 25 mm

## Vibration (ADU)

Vibration, operational	Random spectrum 1.05 g rms x 3 axes: 5 to 20 Hz: 0.02 g <sup>2</sup> /Hz 20 to 150 Hz: -3 dB/octave
Vibration, non-operational	Random spectrum 1.7 g rms 2 h x 3 axes (6 h total): 5 to 20 Hz: 0.05 g <sup>2</sup> /Hz, 20 to 150 Hz: -3 dB/octave

## Ship motion

Roll	+/- 30 deg. per. 4 s, max 0.7 g tan.
Pitch	+/- 15 deg. per. 3 s, max 0.6 g tan.
Yaw	+/- 10 deg. per. 5 s, max 0.3 g tan.
Surge	+/- 0.5g
Sway	+/- 0.5g
Heave	+/- 0.7g
Turning rate	+/- 36°/s; ACC 12°/s <sup>2</sup>
Headway speed	22 m/s (42 knots)
Wind	100 knots

## Mechanical shock

20g/11 half-sine

## Services

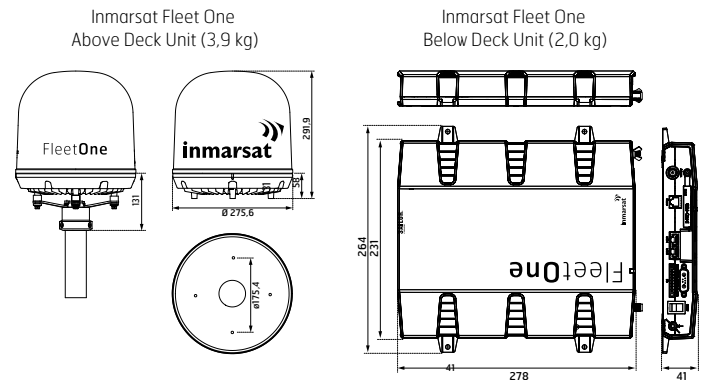
Standard IP	Up to 100 kbps
Streaming IP	-
ISDN Data	-
SMS (standard 3G)	160 characters
Standard Voice	4 kbps

## Antenna connector

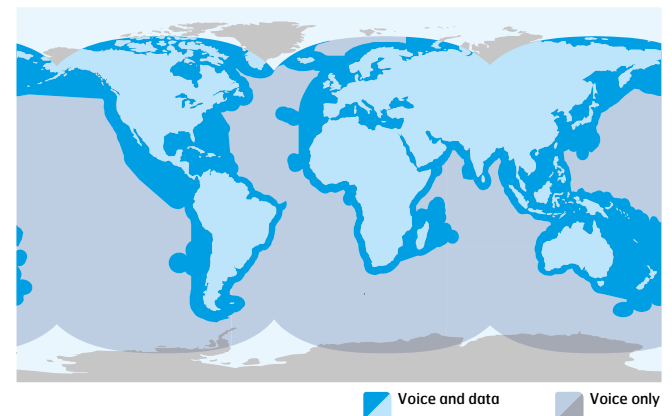
ADU	TNC, female
BDU	TNC, female

## Interfaces

Ethernet/PoE	2 ports
Phone/Fax (2-wire)	1 port
I/O Connector	1 connector with 5 configurable inputs/outputs
Status LED	LED power indicator
SIM Card Slot	1 SIM Card slot for Fleet One SIM card
Router	Integral DHCP/NAT router
PBX	Built-in PBX

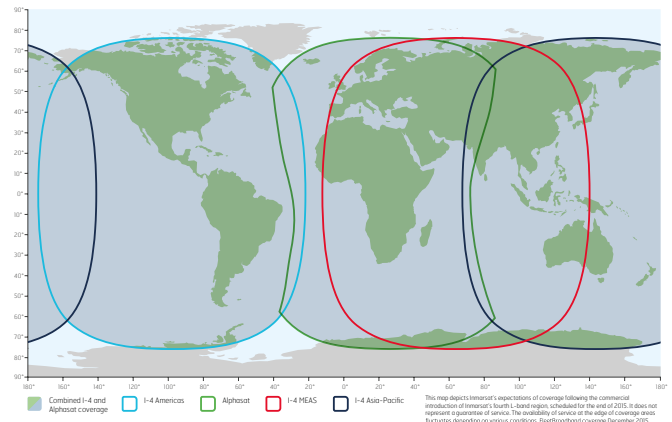


## Coastal



Legend: Voice and data (blue square), Voice only (grey square)

## Global



Legend: Combined I-4 and Alphasat coverage (green), I-4 Americas (blue), Alphasat (green), I-4 MEAS (red), I-4 Asia-Pacific (blue). This map depicts Inmarsat's expectations of coverage following the commercial introduction of Inmarsat's fourth L-band region, scheduled for the end of 2015. It does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions. Fleet One coverage December 2015.

[inmarsat.com/fleet-one](http://inmarsat.com/fleet-one)

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