

# Intellian FB500

**Ultimate Marine FleetBroadband**  
Antenna Systems

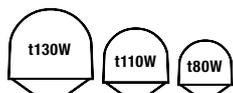


## Ultimate global maritime terminal

Weighing 12kg and 62.7cm high, the Intellian FB500 is an ultimate FleetBroadband maritime terminal.

## Matching dome solutions

FB500 ships with an Intellian i5 dome as a standard, but various dome sizes are also available to match an Intellian t80W, t110W, t130W domes. Now you can select a perfectly matched dome for the best and balanced appearance on your vessel.



Optional radome sizes

## Reliable hardware

Operating on the Inmarsat FleetBroadband Satellite Systems and reliable mechanical construction, approved to Intellian standards, you can be confident of both the quality of the equipment and the global support behind it.

## Primary Handset

The primary handset provides an intuitive user interface on a large 2" LCD and mobile phone type keys for making phone calls, texting SMS messages and accessing various configurations supported by the BDU.

## Simultaneous voice and data access

With 432kbps data rates, FB500 provides simultaneous access to data services, voice and text messaging.

**Intellian**

Connect with the best

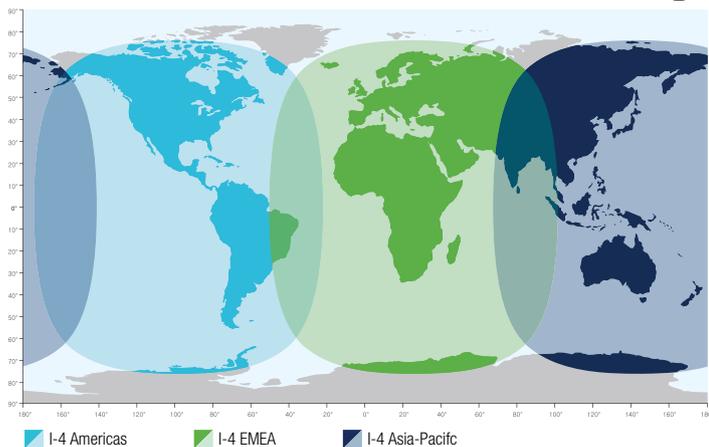
# Intellian FB500

## Ultimate Marine FleetBroadband Antenna Systems

### Technical Specifications

Physical	
ADU Dimensions	72 cm x 70 cm / 28.3" x 27.6"
ADU Weight	15.5kg / 34.1lbs
BDU Dimensions	36 cm x 25 cm x 6.7cm / 14.1" x 9.8" x 2.6"
BDU Weight	3.9kg / 8.5lbs
Environmental Conditions	
Operating Temp. Range	-25°C to +55°C / -13°F to +131°F
Operating Humidity	[ADU] EN60945, [BDU] 95% non-condensing at +40 °C
Water Ingress	[ADU] IP56, [BDU] IP31
Approvals	Inmarsat FleetBroadband/ R&TTE/ CE/ FCC
Warranty	3 years parts and 1 year labor
Global Services	
Voice	Digital 4kbps Voice, 3.1kHz Audio
Standard IP	Up to 432kbps
Streaming IP	8, 16, 32, 64, 128, 256kbps
SMS	Up to 160 characters (3G standard)
Fax	Group 3 (via 3.1kHz Audio)
Airtime Service	Inmarsat airtime
Frequency Band	
Tx	1626.5MHz~1675.0MHz
Rx	1518.0MHz~1559.0MHz
Ch. Width	[Rx] 10.5~189kHz, [Tx] 21~189kHz
Power Supply and Consumption	
DC Input Range	10.0~32.0V DC (isolated)
Power (max)	150W @ 10.0~32.0V (including antenna)

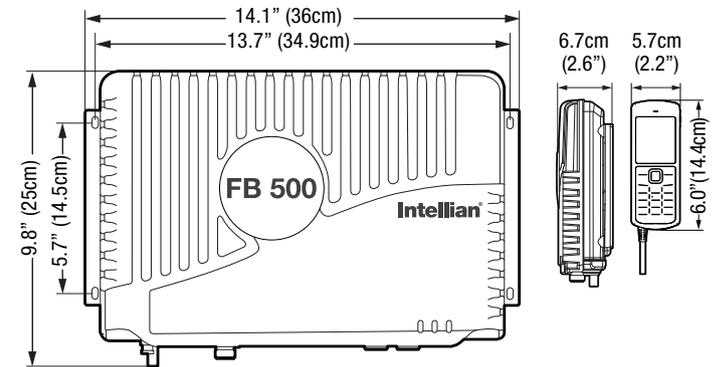
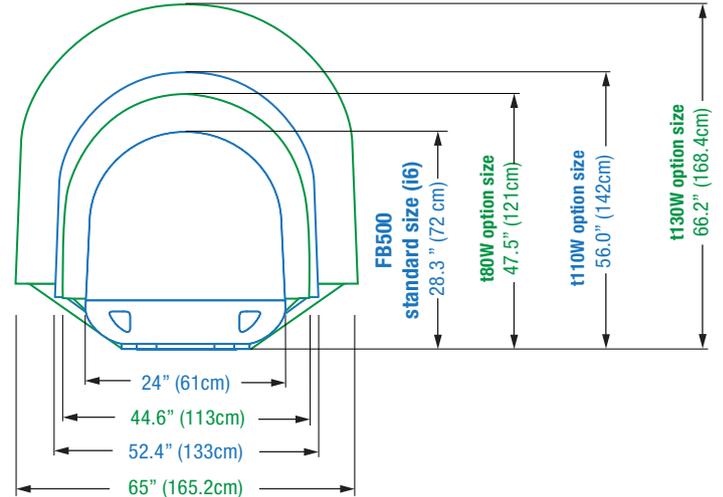
### Inmarsat FleetBroadband Global Coverage



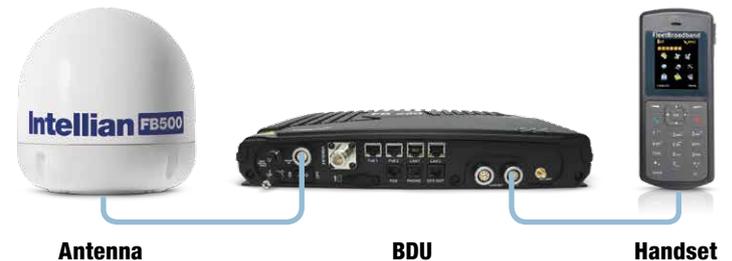
This map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.

### Systems Dimensions

ADU (Above Deck Unit) Matching Dome Options



### Systems Diagram



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