

# Intellian® FB250

## Compact Marine FleetBroadband Antenna System

**Intellian® FB250** enables the opportunity to enter the broadband arena for commercial vessels providing all the required functions. A low initial investment and the per MB pricing of the Inmarsat FleetBroadband service reduces the communication cost despite the increase in functionality and frequency of use. Users can be confident that the rugged and reliable design, engineered for professional use means it will take on any harsh marine environment.

- **Inmarsat's global broadband I4 satellite coverage**
- **Simultaneous Voice and data service**
- **Compact and reliable hardware**
- **IP connection for e-mail, Internet, fax and SMS**
- **Built-in WiFi**
- **Data rates up to 284 kbps (up to 128 kbps for Streaming IP)**
- **Matching dome solutions with the Intellian i-Series (Marine Satellite TV Antenna System)**



### Small Global Maritime Terminal

Weighing just 9 lbs and 17.3 inch high, the Intellian FB250 is a compact FleetBroadband maritime terminal.

### Simultaneous Voice and Data Access

With 284kbps data rates, FB250 provides simultaneous access to data services, voice and text messaging.

### Reliable Hardware

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

### Built-in WiFi

With the standard built-in Wi-Fi feature, the web-based user interface can be accessed via any web browser including Wi-Fi-enabled Smartphones via the FB 250's secure Wi-Fi (WLAN). The Wi-Fi connection also offers wireless Push-to-Talk (PTT) service to Smartphone users using free PTT apps downloadable from Smartphone (e.g. Zello) without having to add any additional hardware to the terminal.

### IP Handset

The rugged new plug-and-play IP Handset provides an intuitive user interface with a 2" TFT color screen and mobile phone type keys for making phone calls, texting SMS messages just like on shore.

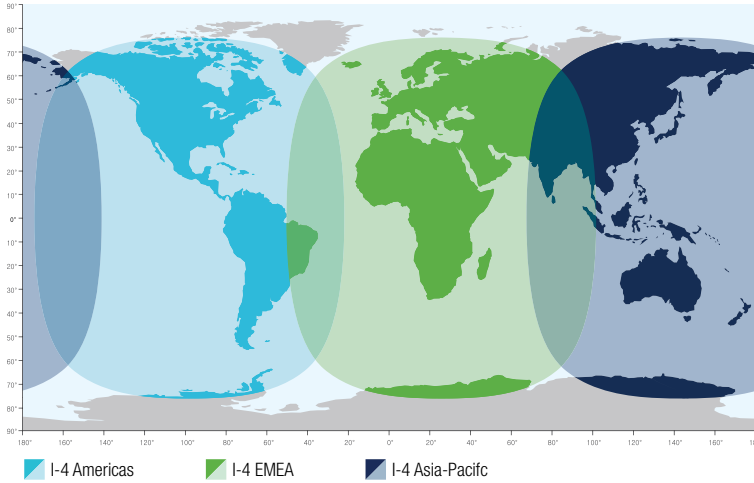
### Matching Dome Solutions

Various matching size domes are available for Intellian FB250 together with Intellian i-Series (i4, i6), satellite TV antenna systems. Now you can select a perfectly matched dome for the best appearance on your vessel.

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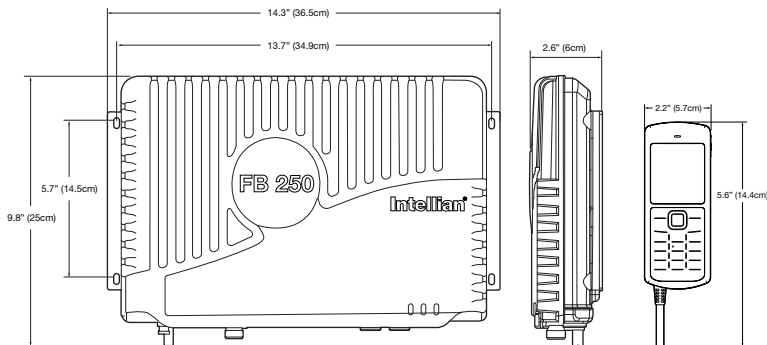
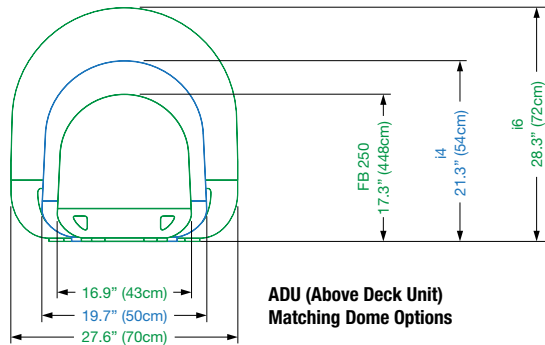
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### Inmarsat FleetBroadband Global Coverage



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.

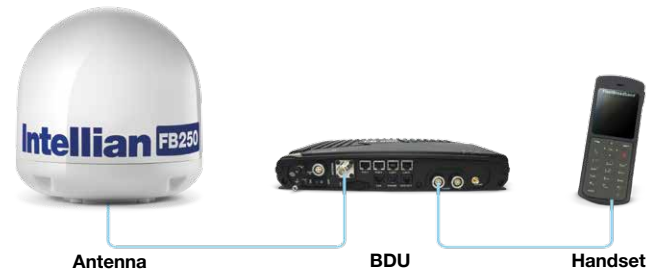
### System Dimension



### Technical Specifications

Part	Specifications
Intellian FB250	Inmarsat FleetBroadband 250 Marine Satellite Communication Antenna System
<b>Dimension and Weight</b>	
ADU	17.3 x 16.9 in (44 x 43cm) / 9.0 lbs (4.1kg)
BDU	14.1 x 9.8 x 2.6 in (36 x 25 x 6.7 cm) / 8.5 lbs (3.9 kg)
<b>Environmental Conditions</b>	
Operating Temperature	-13°F to +131°F (-25°C to +55°C)
Operating Humidity	[ADU] EN60945, [BDU] 95% non-condensing at +40°C
Water Ingress	[ADU] IP56, [BDU] IP31
Approvals	Inmarsat FleetBroadband/ RTTE/ CE/ FCC
Warranty	3 Years Parts and 1 Year Labor
<b>Global Services</b>	
Voice	Digital 4 kbps Voice, 3.1kHz Audio
Standard IP	Up to 284 kbps
Streaming IP	8, 16, 32, 64, 128 kbps
SMS	Up to 160 characters (3G standard)
Fax	Group 3 (via 3.1 kHz Audio)
Airtime Service	Inmarsat airtime
<b>Frequency Band</b>	
Rx	1518.0 MHz – 1559.0 MHz
Tx	1626.5 MHz – 1675.0 MHz
Ch. Width	[Rx] 10.5 - 189 kHz, [Tx] 21 - 189 kHz
<b>Power Supply and Consumption</b>	
DC Input Range	10 - 32V DC (isolated)
Power (max)	150W @ 10 - 32V (including antenna)

### System Diagram



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