**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 Wi-Fi
- 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.
**Intellian® FB250**

Compact Marine FleetBroadband Antenna System

**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**

ADU (Above Deck Unit) Matching Dome Options

**Technical Specifications**

<table>
<thead>
<tr>
<th>Part</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intellian FB250</td>
<td>Inmarsat FleetBroadband 250 Marine Satellite Communication Antenna System</td>
</tr>
</tbody>
</table>

**Dimension and Weight**

- **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)

**Environmental Conditions**

- **Operating Temperature**: -19°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

**Global Services**

- **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

**Frequency Band**

- **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

**Power Supply and Consumption**

- **DC Input Range**: 10 - 32V DC (isolated)
- **Power (max)**: 150W @ 10 - 32V (including antenna)

**System Diagram**

- **Antenna**
- **BDU**
- **Handset**