

Intellian FB500

Ultimate Marine FleetBroadband
Antenna Systems

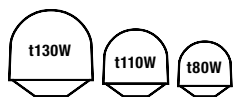


Ultimate global maritime terminal

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.

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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 2 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

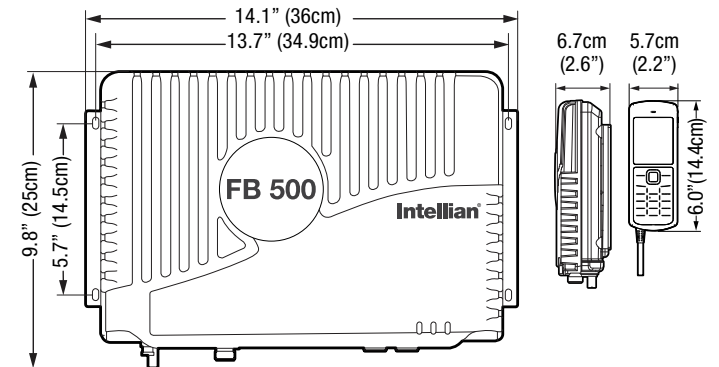
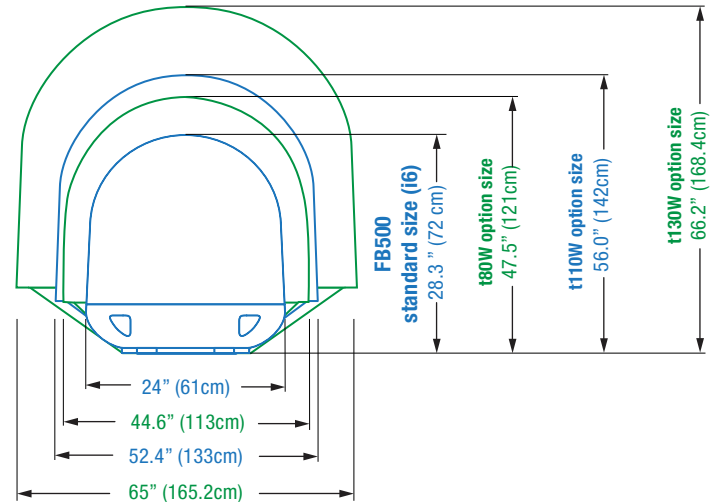
Tx	1626.5MHz~1675.0MHz
Rx	1518.0MHz~1559.0MHz
Ch. Width	[Rx] 10.5~189kHz, [Tx] 21~189kHz

Power Supply and Consumption

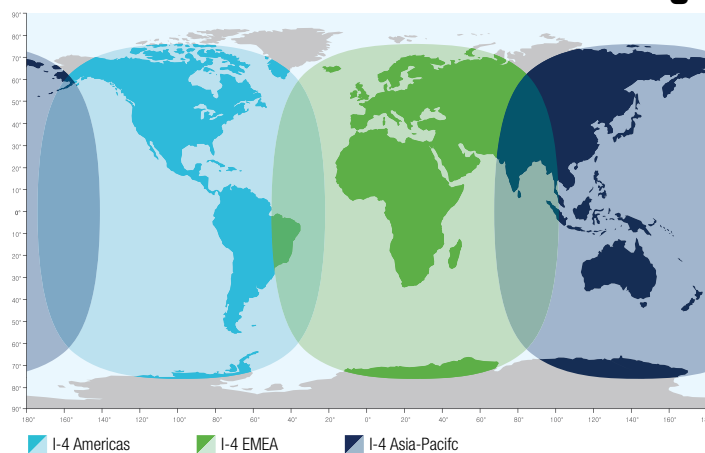
DC Input Range	10.0~32.0V DC (isolated)
Power (max)	150W @ 10.0~32.0V (including antenna)

Systems Dimensions

ADU (Above Deck Unit) Matching Dome Options

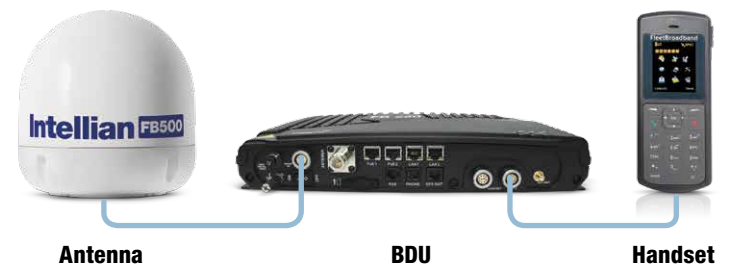


Inmarsat FleetBroadband Global Coverage



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 Diagram



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