

Intellian FB250R

Compact Marine FleetBroadband Antenna Systems



Ultimate global maritime terminal

Intellian's FB250R is the ultimate solution for customers who want a rack mount FleetBroadband solution for worldwide voice and data communication.

Reliable hardware

FB250R is designed for reliable operation for both ADU and BDU on Inmarsat's FleetBroadband network. Approved to meet Intellian standards, you can be confident of both the quality of the equipment and the global support behind it.

Matching radome solutions

Intellian FB250R provides various radome options to match Intellian i2, i3, i4 or i6 TVRO radome. Now you can perfectly match your FleetBroadband and TVRO radomes for the best and balanced appearance on your vessel.



Optional radome sizes

Full Featured Primary Handset

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

Simultaneous voice and data access

FB250R provides simultaneous access to data services, voice and text messaging with data speeds up to 284 kbps.

19" Rack-mount BDU

The Intellian FB250R includes a 19" rack-mount below deck unit (BDU) which fits perfectly into a standard 19" 1U rack space. The BDU has an integrated AC power supply for efficient rack installation.

Intellian

Connect with the best

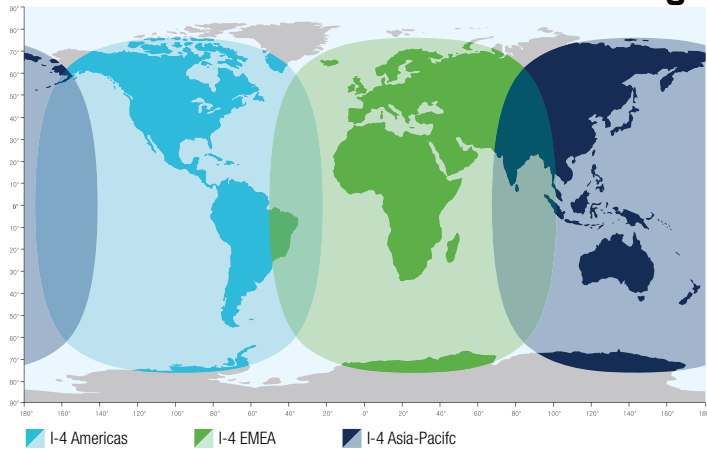
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Technical Specifications

Physical	
ADU Dimensions	29.9 cm x 27.7 cm / 11.8" x 10.9"
ADU Weight	3.0 kg / 6.6 lbs
BDU Dimensions	43.1cm x 38.1cm x 4.4cm/ 17" x 15" x 1.7"
BDU Weight	4.8kg /10.5 lbs
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 4 kbps Voice, 3.1 kHz 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 and Connectivity	
Tx	1626.5 MHz~1675.0 MHz
Rx	1518.0 MHz~1559.0 MHz
Ch. Width	[Rx] 10.5~189 kHz, [Tx] 21~189 kHz
Ethernet	2 LAN and 2 PoE (RJ45) ports
Voice/ Fax	Voice (RJ11) and 1 Fax (RJ11)
GPS output	NMEA0183 format
Power Supply and Consumption	
AC Input Range	100~ 240 VAC (50/60 Hz) : 3.3 A
Power (max)	250 W

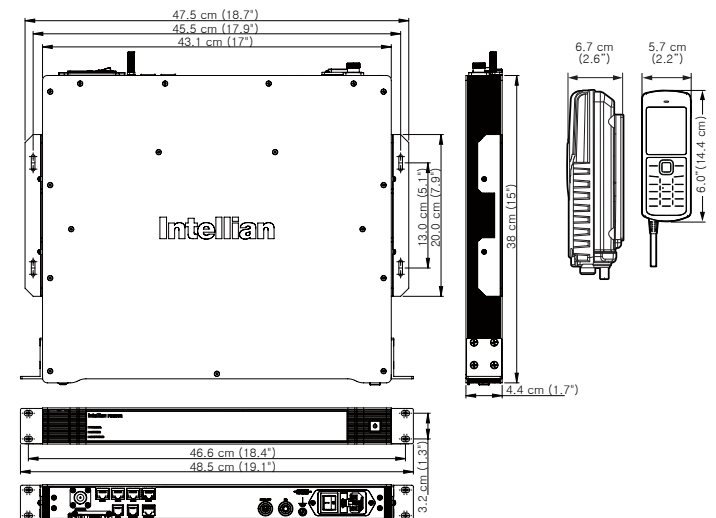
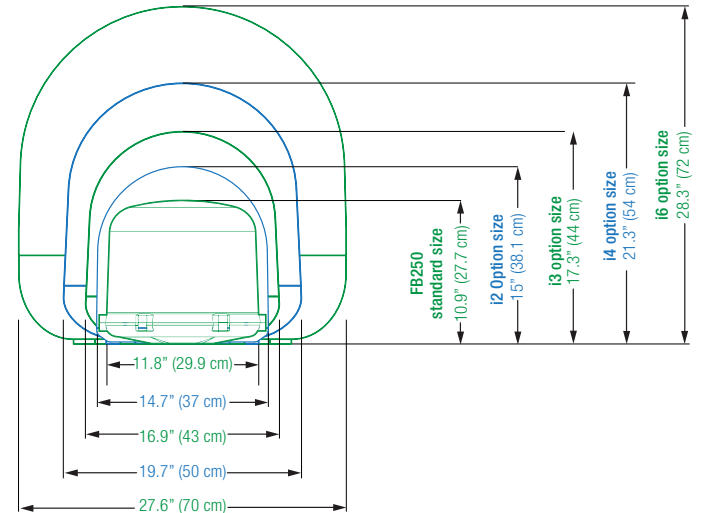
Inmarsat FleetBroadband Global Coverage



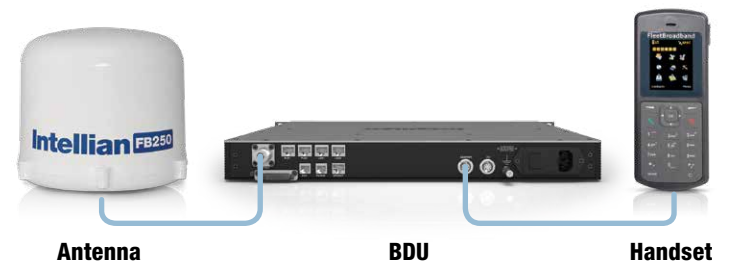
This map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.

Systems Dimensions

ADU (Above Deck Unit) Matching Radome Options



System Diagram



Global HQ
 Innovation Center / Factory
 Intellian Technologies, Inc
 T +82 31 379 1000
 F +82 31 377 6185

APAC
 Seoul Office
 Intellian Technologies, Inc.
 T +82 2 511 2244
 F +82 2 511 2235

Americas
 Irvine Office
 Intellian Technologies USA, Inc.
 T +1 949 727 4498
 F +1 949 271 4183
 Toll Free +1 888-201-9223

EMEA
 Rotterdam Office
 Intellian B.V.
 T +31 1 0820 8655
 F +31 1 0820 8656