

Fleet Broadband FB150

A rugged, cost effective marine broadband solution.

With its rugged, reliable construction, Fleet Broadband delivers enhanced data performance in a cost-effective package.



Overview

Fleet Broadband 150 gives you enhanced data performance in a cost-effective package – helping you to improve operational efficiency and cut costs simultaneously. Fleet Broadband 150 features the smallest, lightest Fleet Broadband antenna to date, which enables simple user-installation, allowing users requiring high quality global marine internet and voice communication to enter the broadband era with a true IP solution for the first time.

Super performance

Fleet Broadband 150 gives you faster, more cost-effective access to data services.

Its simultaneous voice and data capability means that operational systems can be running online and you can still access email, your Intranet and make voice calls – all via a single terminal.

Fleet Broadband 150 can be rapidly deployed across your entire fleet and as a standard IP service, seamlessly integrated with head office networks. Terminals operate globally and an easy user interface is used for all types of Fleet Broadband equipment.

Fleet Broadband supports the latest IP services, as well as traditional circuit-switched voice and data for your legacy applications. You can choose between a standard, contended IP service and guaranteed data rates on demand – with the ability to select the rate according to your application.

Details

Manufacturer:	• Cobham
Network:	• Inmarsat
Device Type:	• Modem
Markets:	• SCADA / Telemetry • Utility • Military • Marine • Renewable

Technical Specs

Approvals:

- Inmarsat Fleet Broadband Approved
 - Compliant to RTTE, CE Marked
 - FCC Tested to RCC part 25
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Frequency Band:

- Rx: 1525.0 - 1559.0 MHz
 - Tx: 1626.5 - 1660.5 MHz
 - Ch. width 10.5 - 189 kHz, Rx
 - Ch. width 21 - 189 kHz, Tx
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Antenna connector:

- ADU TNC, female
 - BDU TNC, female
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Power Supply and Consumption:

- DC input range (isolated): 10 to 32V DC
 - Power (max): 120 W @ 10 to 32 V incl. antenna and PoE output
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Global Services:

- Voice 4kbps AMBE +2
 - Standard IP 150/ 150 kbps
 - SMS up to 160 characters
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Recommended antenna cable:

- Cable loss max/min: 20 dB at 1,62 GHz and 1.0 Ω DC loop resistance 3 dB - 4 dB at 54 MHz

Environmental Conditions:

- Ambient temp: -25° to +55°C
 - Storage: -40° to +85°C
 - Survival (power on, non-functional) -40° to +80°C
 - Automatic thermal surveillance shuts down system gradually
 - BDU operating humidity: 95% non-condensing at +40°C
 - ADU enclosure IPX6
 - ADU operating humidity "Exposed" according to EN60 945
 - BDU enclosure IP31
 - Icing (survival) Max 25mm
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BDU Interfaces:

- Power on/ off button
- DC heavy duty power input connector with remote on/ off and locking mechanism
- 2x 10/100Mbit Ethernet LAN user ports with Power over Ethernet (PoE)
- SIM card
- Factory default reset button
- 1x independent RJ-11 phone, 2-wire connectors
- 5x I/O connector with General Purpose I/Os: Power LED