

## Fleet Broadband FB250

Reliable, high speed IP communications for the maritime sector.

The Fleet Broadband 250 offers mariners streaming IP, satellite telephony, SMS, Fax and Emergency calling.



### Overview

Fleet Broadband 250 gives you faster, more cost-effective access to data services than ever before. Data speed becomes especially remarkable when compared with weight and size of the antennas. At a diameter of only 60 cm and weighing just 16 kg the Fleet Broadband 250 delivers an amazing data speed of up to 432 kbps.

As an important part of this offering, the SAILOR FleetBroadband solutions include a new handset. With this handset companies will be able to integrate their telecommunications and infrastructure, streamlining the whole operation. The handset has been developed with a special focus on the users and the features they need.

- IP connection for e-mail and internet/intranet access including secure VPN
- Streaming IP (Quality of Service; i.e. guaranteed bandwidth)
- SDN (SAILOR 500 FleetBroadband only)
- Voice and data simultaneously
- Small size hardware

Simultaneously having access to voice and high-speed data services on a global basis will revolutionize data success on vessels. Sea chart information, online weather data, route planning and crew calling can all be undertaken at the same time, highly increasing information efficiency on board.

Operation and service of FleetBroadband will continue for many years ensuring a stable platform for the future.

### Details

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

## Technical Specs

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### Approvals:

- Inmarsat Fleet Broadband Approved
  - Compliant to RTTE, CE Marked
  - FCC
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### Frequency Band:

- Rx: 1525.0 - 1559.0 MHz
  - Tx: 1626.5 - 1660.5 MHz
  - Ch. spacing: 1.25 kHz - Rx.
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### Antenna connector:

- BDU TNC-socket, female
  - SAILOR 250 ADU TNC(m)
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### Power Supply and Consumption:

- DC input range (isolated): 10 to 32V DC
  - Power (max), incl. antenna 150 W @10-32V
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### Global Services:

- Voice: 4kbps AMBE+2
  - 3,1 Khz Audio
  - Standard IP: SAILOR 500: 432/432kbps
  - SAILOR 250: 284/284kbps
  - SAILOR 250: 32,64,128 kbp
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### Recommended antenna cable:

- Cable loss max/min: 4/20 dB at 1,62Ghz and 4 ohm DC loop resistance
- RG-223 Min 7 m / Max 25 m
- RG214 - FRNC Min 12 m / Max 50 m
- S10162B11 Min 30 m / Max 100 m
- RG 1/2" 50 Min 45 m / Max 100 m

### Environmental Conditions:

- Ambient Temperature: -25 to +55°C
  - ADU Storage -40 to +85°C
  - Survival (power on, non functional) -40 to +80°C
  - Automatic thermal surveillance shuts down terminal gradually at +85°C PCB temperature
  - Operating humidity: 95% non-condensing at +40°C
  - BDU IP31
  - ADU IPX6
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### Interfaces:

- Power On/Off button
- DC heavy duty power input connector with Remote on/off and locking mechanism
- 4 10/100Mbit Ethernet LAN user ports with Power over Ethernet (PoE)
- 1 Euro ISDN
- Sim card
- Factory default reset
- 2 Independent RJ-11 phone 2-wire connectors
- 5 I/O connector with General Purpose I/Os:
  - L-band output
  - Status LEDs