

FleetBroadband



Equipment List

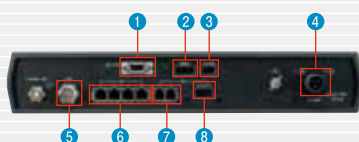
| Model | FELCOM250 | FELCOM500 |
|-------------------------|---------------|-----------|
| Standard | | |
| 1. Antenna Unit | FB-1250 | FB-1500 |
| 2. Communication Unit | FB-2000 | |
| 3. IP Handset | FB-8000 | |
| Option | | |
| Incoming Indicator | FB-3000 | |
| Analog Telephone | FC-755D1 | |
| G3 FAX | FAX-2810/2820 | |
| AC/DC Power Supply Unit | PR-240 | |

Features of FELCOM250/FELCOM500

- ▶ **IP handsets and Incoming Indicators (option) can be integrated through Ethernet**
 - Multiple IP handsets can be incorporated into the network by using the switching hub
 - Different ringtones can be set for each of the communication lines for easy recognition of the incoming calls
- ▶ **IP-PBX incorporated**
 - Comprehensive selection of telephone exchange functions available, i.e., internal communication lines, incoming call routing, etc.
 - Wide range of incoming call setting available, i.e., group call function, etc.
- ▶ **Incoming call routing allows for assignment of multiple extension numbers to each of the handsets onboard for each voice line with a single SIM card**
 - Any incoming calls can be routed to any handsets in a ship according to the extension numbers assigned
- ▶ **Built-in NAT router facilitates smooth network integration to the Internet**
- ▶ **Wide variety of security settings available, i.e., firewall, IP filter, etc.**
- ▶ **No dedicated software required for configuration setup (web server function incorporated)**
 - Configuration setup can be done by using web browser
- ▶ **Supports PPPoE to facilitate automatic dial-up connection/disconnection via applications**
- ▶ **Wide variety of interface options available for communication unit FB-2000**
- ▶ **Simplified installation through a compact antenna unit**
 - FELCOM250 antenna diameter 41.0 cm, weighing around 6 kg
 - FELCOM500 antenna diameter 65.3 cm, weighing around 20 kg

FB-2000 Communication Unit

▼ Back



▼ Front



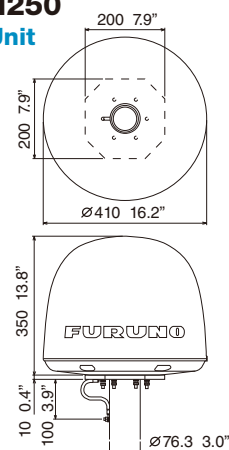
- 1 RS-232C port ▶▶▶ ISDN UDI/RDI
- 2 NMEA in/out (NMEA0183 ver.2) ▶▶▶ Navigation equipment
- 3 Alarm output ▶▶▶ Alarm equipment
- 4 Power Supply
- 5 Antenna Unit (Antenna cable length selectable 30 m or 50 m)
- 6 LAN ports ▶▶▶ IP Handsets, PC/network equipment, telephone hub
- 7 Telephone RJ11 ▶▶▶ Telephones and G3FAX
- 8 Telephone Phoenix ▶▶▶ Telephones and G3FAX
- 9 USIM card slot

Specifications of FELCOM250/500

| Product Name | | Inmarsat FleetBroadband | |
|------------------------------|--|--|------------------------------|
| Model | | FELCOM250 | FELCOM500 |
| General | | | |
| Transmitting Frequency | | 1626.5 - 1660.5 MHz | |
| Receiving Frequency | | 1525.0 - 1559.0 MHz | |
| Interface | | | |
| Ethernet | RJ45 | 4 ports | |
| 2-wire analog telephone | RJ11 | 2 ports | |
| | Phoenix 4 pin | 2 ports | |
| NMEA in/out | Phoenix 5 pin (NMEA0183 ver.2) | 1 port | |
| Alarm output | Phoenix 3 pin Contact (Normal Close) | 1 port | |
| USIM/SIM | Plug in type | 1 port | |
| RS-232 | EIA574 | 1 port | |
| L-band output | BNC | 1 port | |
| Communication Service | | | |
| Voice | | 4 kbps circuit switched (AMBE+2 codec) | |
| | | ISDN 3.1 kHz | |
| Data | ISDN (UDI/RDI) | — | 56/64 kbps |
| | Standard IP (Best Effort Delivery) | 284 kbps (RX), 225 kbps (TX) | 432 kbps (RX), 372 kbps (TX) |
| | Streaming IP (Guaranteed Service Rate) | 8, 16, 32, 64, 128 kbps | 8, 16, 32, 64, 128, 256 kbps |
| SMS | Up to 160 characters | | |
| Environment | | | |
| Temperature | Antenna Unit | -25°C - +55°C | |
| | Communication Unit | -25°C - +55°C | |
| Storage Temperature | +70°C | | |
| Waterproofing | Antenna Unit | IP56 | |
| | Roll | ± 30°/8 sec | |
| Ship's motion | Pitch | ± 10°/6 sec | |
| | Yaw | ± 8°/50 sec | |
| | Rate of Turn | ± 6°/1 sec | |
| Ship's Speed | 30 knot | | |
| Power Supply | | | |
| Power Supply | DC 10.8 - 31.2 V | | |

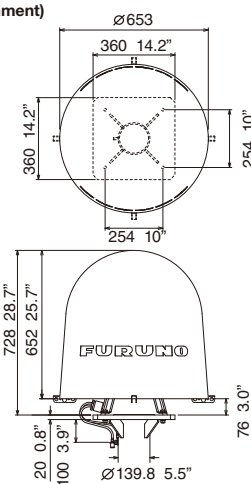
FELCOM250 Antenna Unit FB-1250

6.5 kg
14.3 lb

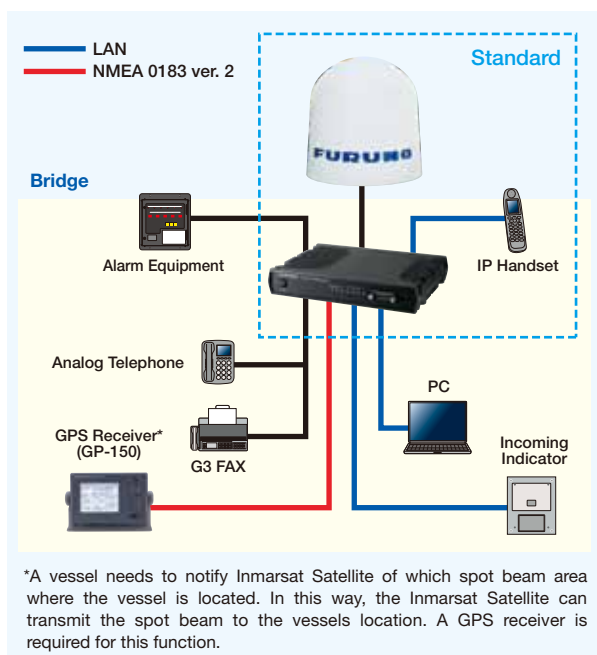


FELCOM500 Antenna Unit FB-1500 (with an attachment)

21 kg
46.3 lb

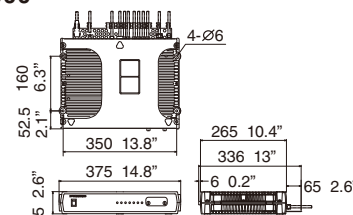


FleetBroadband System Configuration



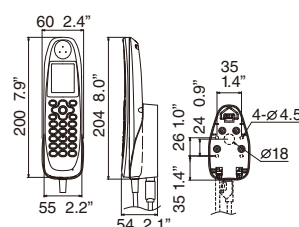
FELCOM250/500 Communication Unit FB-2000

4.1 kg
9 lb



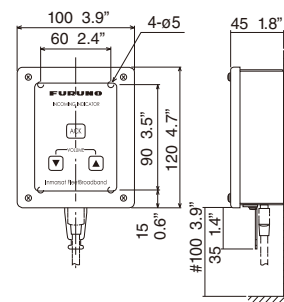
IP Handset FB-8000

0.38 kg
0.83 lb



Incoming Indicator FB-3000

0.37 kg 0.81 lb



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