

FleetBroadband



Equipment List

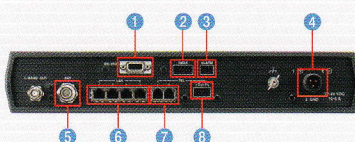
Model	FELCOM250	FELCOM500
Standard		
1. Antenna Unit	FB-1250	FB-1500
2. Communication Unit	FB-2000	
3. IP Handset	FB-8000	
Option		
Incoming Indicator	FB-3000	
Analog Telephone	FC-755D1	
G3 FAX	FAX-2810/2820	
AC/DC Power Supply Unit	PR-240	

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

FleetBroadband

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	1port	
RS-232	EIA574	1port	
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	
Ship's motion	Roll	± 30°/8 sec	
	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	

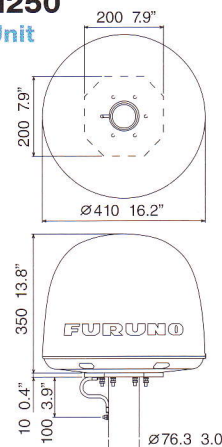
FELCOM250

Antenna Unit

FB-1250

6.5 kg

14.3 lb



FELCOM500

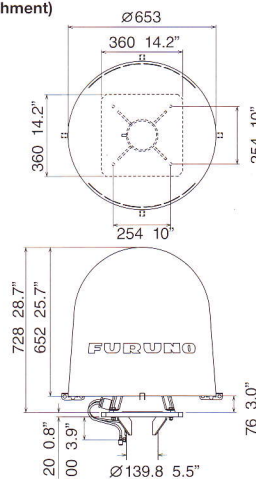
Antenna Unit

FB-1500

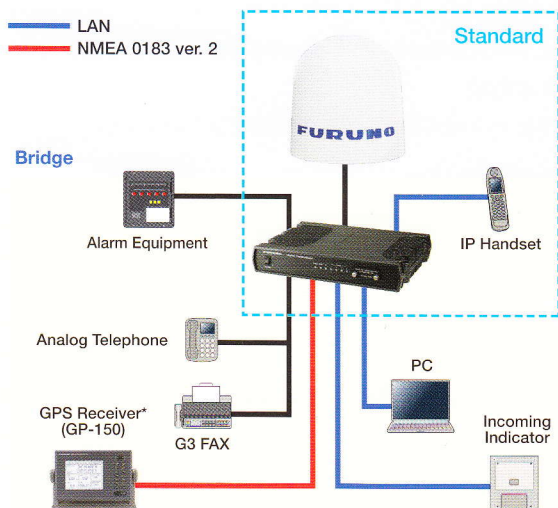
(with an attachment)

21 kg

46.3 lb



FleetBroadband System Configuration



*A vessel needs to notify Inmarsat Satellite of which spot beam area where the vessel is located. In this way, the Inmarsat Satellite can transmit the spot beam to the vessels location. A GPS receiver is required for this function.

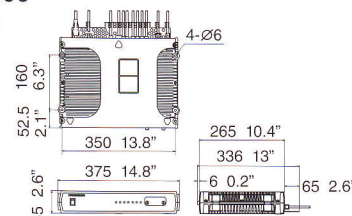
FELCOM250/500

Communication Unit

FB-2000

4.1 kg

9 lb

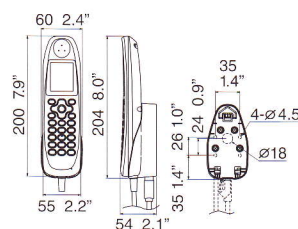


IP Handset

FB-8000

0.38 kg

0.83 lb

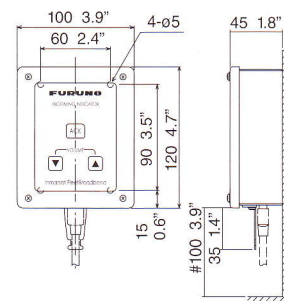


Incoming Indicator

FB-3000

0.37 kg

0.81 lb



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