

# FleetBroadband



## Equipment List

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

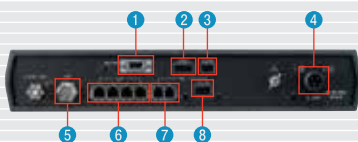
## Features of FELCOM250/FELCOM500

- ▶ **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**
- ▶ **Supports Inmarsat FleetBroadband MULTI VOICE service by which up to nine simultaneous voice lines (1 CS line and 8 VoIP lines) are made available through the IP Handset FB-8000**

## FB-2000 Communication Unit

▼ Back

▼ Front



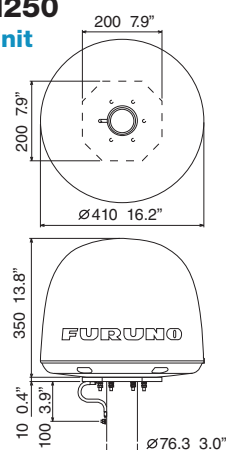
- 1 RS-232C port ▶▶▶ ISDN UDI/RDI
- 2 NMEA in/out (NMEA0183 ver.2) ▶▶▶ Navigation equipment
- 3 Alarm output ▶▶▶ Alarm equipment
- 4 Power Supply
- 5 Antenna Unit (Antenna cable length selectable 30 m or 50 m)
- 6 LAN ports ▶▶▶ IP Handsets, PC/network equipment, telephone hub
- 7 Telephone RJ11 ▶▶▶ Telephones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

# Specifications of FELCOM250/500

Product Name		Inmarsat FleetBroadband	
Model		FELCOM250	FELCOM500
<b>General</b>			
Transmitting Frequency		1626.5 - 1660.5 MHz	
Receiving Frequency		1525.0 - 1559.0 MHz	
<b>Interface</b>			
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	
<b>Communication Service</b>			
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		
FAX	G3 Fax through 3.1 kHz audio		
<b>Environment</b>			
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		
<b>Power Supply</b>			
Power Supply	10.8 - 31.2 VDC		

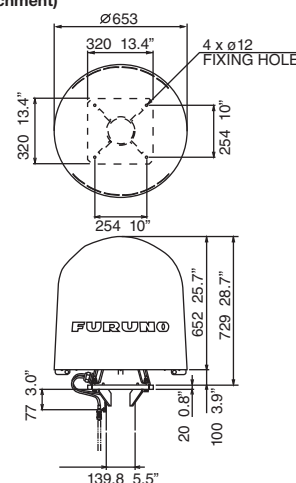
## FELCOM250 Antenna Unit FB-1250

6.6 kg  
14.5 lb

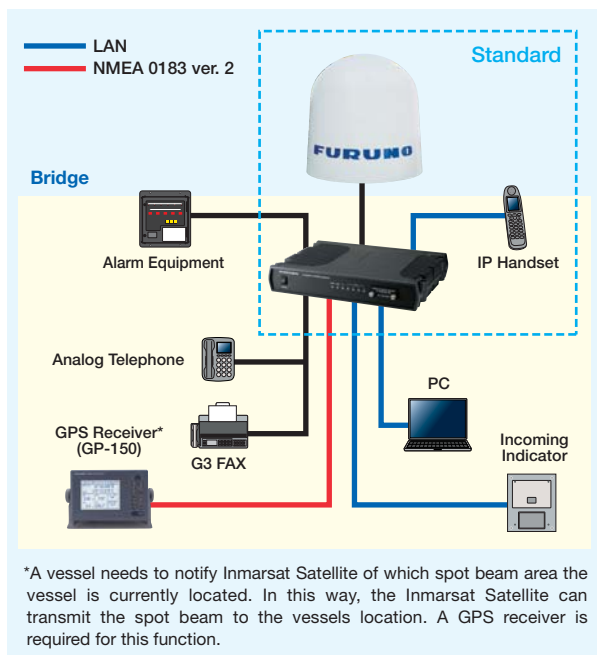


## FELCOM500 Antenna Unit FB-1500 (with an attachment)

21 kg  
46.3 lb

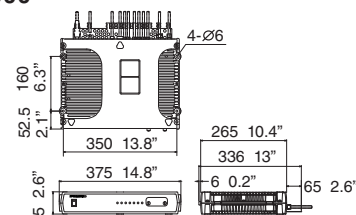


## FleetBroadband System Configuration



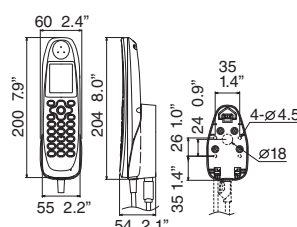
## FELCOM250/500 Communication Unit FB-2000

4.1 kg  
9 lb



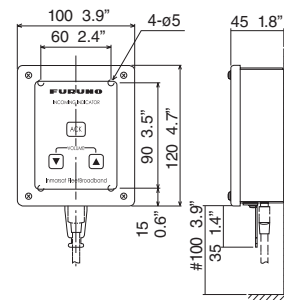
## IP Handset FB-8000

0.38 kg  
0.83 lb



## Incoming Indicator FB-3000

0.37 kg 0.81 lb



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