



SF2500™

Tough & Reliable Maritime communication

- Cost effective for voice calls and SMS
- GPS tracking and alerting capability
- Solid and simple construction

The SF2500™ is a voice satellite terminal with a built-in GPS tracking system specially designed for reliable performance in the harsh maritime and land environment. This affordable, easy-to-install and user-friendly terminal enables users to make satellite voice calls to normal PSTN phones, mobile phones and other satellite phones through the Thuraya satellite network.

The SF2500™ supports SMS services through its easy-to-use menu on the large colour LCD screen. An Alert button is available to notify pre-configured contacts during an emergency. When the Alert button is activated, the SF2500™ will immediately send a pre-determined alert message which includes the time-stamped GPS coordinates of the position to a maximum of three preset contacts for emergency response.

The SF2500™ is truly a robust, versatile and cost effective solution for medium-size to small fishing vessels, pleasure boats, patrol boats and any other sea vessels or land vehicles.

THURAYA 
stay close

Applications

General Specifications

Features and Functions

	Supports Communication needs of fishing vessels, leisure boats, coastal guard boats, land vehicles, etc.					
	Coastal surveillance					
	In-land rural area communications					
	Fleet management					
Thuraya Approved Compliant to CE						
Services	Voice					
	SMS: up to 160 characters					
Size	Base Terminal [L x W x H]: 205mm x 190mm x 80mm					
	Passive Antenna: 95mm (Dia.) x 150mm (H)					
	Active Antenna: 210mm (Dia.) x 180mm (H)					
Weight	Base Terminal 1.1kg					
	Passive Antenna 300g					
	Active Antenna 1.7kg					
Power Supply and Consumption	DC input range (isolated): 10.8 – 31.2 VDC					
	Power (max): 10 W					
Environmental Conditions	Operating humidity: up to 95% (non-condensing) at 40°C					
	Operating Temperature: <ul style="list-style-type: none"> Base Terminal: -10°C ~ +55°C Antenna: -25°C ~ +55°C 					
	Storage Temperature: <ul style="list-style-type: none"> Base Terminal: -20°C ~ +70°C Antenna: -40°C ~ +80°C 					
	Ingress Protection Rating: <ul style="list-style-type: none"> Base Terminal: IP30 Antenna: IP66 					
GPS Specifications	Number of tracking channels: 20 (SIRF Star-III)					
	Position accuracy: <10m 95%					
	Time to First Fix:					
	<table> <tr> <td>Hot start</td><td><1 second</td></tr> <tr> <td>Warm start</td><td><30 seconds</td></tr> <tr> <td>Cold start</td><td><35 seconds</td></tr> </table>	Hot start	<1 second	Warm start	<30 seconds	Cold start
Hot start	<1 second					
Warm start	<30 seconds					
Cold start	<35 seconds					
Interfaces	• Alert Button					
	• Satellite antenna connector (N-Type female)					
	• GPS antenna connector (TNC female)					
	• Corded handset connector (RJ9)					
	• SIM card connector					
	• RS232 connector (DB-9)					
	• DC Power supply input socket					
	• Power On/Off switch					
	• External Ringer output port					
	• External Alert button input port					
	• Mini-USB (This is ONLY for maintenance purpose).					
Base Terminal:	Supports basic telephony functions, Calling Line Identification Presentation (CLIP) and Short Message Services(SMS)					
	Phone book					
	Call log: last 5 missed, received and dialed calls each with date and time stamps					
	Menu-driven graphical user interface with 65K colors, 220 x 176 pixels, 2" TFT LCD screen					
	MMI in English, Chinese and Bahasa Indonesia					
	Back-lit keypad					
	Desk and wall mounting					
	Alert button for triggering an emergency alert to pre-configured contacts via SMS					
	External Alert button input port					
	Ringer output port					
	Configurable to support <ul style="list-style-type: none"> Automatic Position Reports (APR) Polling for an on demand position report Geo-fencing: Up to 5 areas (circular or rectangular) can be configured. Sends an alert when the vessel enters or leaves an area Over-the-air update of system configuration parameters 					
	Passive Antenna: <ul style="list-style-type: none"> Omni-directional passive Thuraya satellite antenna with built-in active GPS antenna Up to 5 metres of LMR400 (or equivalent) co-axial satellite antenna cable 					
	Active Antenna: <ul style="list-style-type: none"> Omni-directional active Thuraya satellite antenna with built-in active GPS antenna Up to 40 metres of LMR400 (or equivalent) co-axial satellite antenna cable 					
	Note: Active antenna must be connected to an external power source (10 ~ 30 VDC)					