

SM 1000TM

Simple to use and the most cost effective solution for communication at sea.

- Voice Call
- SMS
- Citadel Solution
- Multi- language Support



The SM1000TM is specifically designed to provide both fishing boats with communications at sea, and larger vessels with an anti-piracy system (citadel solutions).

The SM1000TM supports voice and SMS services via the primary handset while also offering the option to use an analog phone for making voice calls. The SM1000 is easy to set up, with the handset displaying an easy-to-use menu on a colour LCD screen.

The SM1000TM also supports the use of an external alert button that can be installed in a secure location for emergencies. When activated, it will send a pre-defined SMS alert including the time-stamped GPS coordinates of your current position to a maximum of three pre-defined contacts to request assistance.

Using the latest technology, the Antenna can be mounted up to 100 metres from the Below Decks Unit (BDU) allowing the installation and use of the SM1000TM BDU in a secure location in ships requiring special security needs

SM1000TM offers a reliable and cost effective solution for those who want safety and communications at sea.

Features and Functions

Base Terminal

(With the usage of Primary handset)

- 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
- Easy to use graphical interface with 65K colors, 220 x 176 pixels, 2" TFT LCD screen
- MMI in multiple languages
- Configuring pre-defined message and telephone number for Alert button to trigger alert message to recipient via SMS

Base Terminal

- Light-weight and easy to install
- Robust and reliable

Antenna

- Omni-directional Inmarsat Satellite antenna with built-in active GPS antenna
- Up to 100 metres of standard interface cable.

Interfaces

- DC power supply input connector
- ADU Interface cable connector
- External Alert button signal input connector
- Multifunction handset interface connector
- Two Wire phone connector (RJ11)
- Power on/off switch
- Micro USB for firmware upgrading
- Status indicators (4 LED)

Technical Specifications

Inmarsat Approved
Compliant to CE

Services

Voice
SMS : Up to 160 characters

Size

Base Terminal: 214mm (L) x 154mm (W) x 45mm (H)
Antenna: 188mm (Dia.) x 189mm (H)
Handset: 142mm (L) x 56mm (W) x 22mm (H)
Handset with Cradle: 254mm (L) x 155mm (W) x 55mm (H)

Weight

Base Terminal: 600g
Antenna: 1400g
Handset: 330g

Power Supply and consumption

DC input range (isolated) : 10.8 – 31.2 VDC
Power (max) : 40W

Environmental Conditions

Operating humidity: Up to 95% (non-condensing) at +40°C
Operating Temperature:
Base terminal: -20°C ~ +55°C
Antenna: -20°C ~ +55°C

Storage Temperature:

Base Terminal: -40°C ~ +80°C
ADU: -40°C ~ +80°C

BDU ingress rating: IP 44
ADU ingress rating: IP 66

Transceiver

Operating Frequency
GSPS
Transmit: 1626.5 ~ 1660.5 MHz
Receive: 1525.0 ~ 1559.0 MHz

GPS Specifications:

Frequency: L1 (1575.42 MHz)
Receiver Sensitivity:
Tracking: -152 dBm
Acquisition: -142 dBm



Addvalue Innovation Pte Ltd. 8 Tai Seng Link, Level 5 (Wing 2), Singapore 534158.
Tel: +65 6509 5700, Fax: +65 6509 5701, Website: www.addvaluetech.com