



Fleet One

Inmarsat terminal specification

Inmarsat's Fleet One terminal is designed for small and mid-sized fishing and leisure vessels and delivers affordable, tailored broadband voice and data services not previously available to these market sectors.

Fleet One brings to the maritime communications world unparalleled advantages in cost, performance and ease of use. While at sea, Fleet One will be your indispensable partner for all of your business or leisure communications needs.

Based on Inmarsat's dependable, global I-4 satellite network, Fleet One makes it easy to talk, text, and send and receive emails at sea.

Fleet One offers one voice line and data up to 100kbps – ideal for accessing full-colour weather images, navigational charts and routing information, as well as sending reports and browsing the web.

And with Inmarsat's free 505 Emergency Calling service included, Fleet One helps keep sailors safe.

High performance

With a compact antenna and an easy to install below deck unit, the Fleet One terminal is small but powerful, with special features such as:

- BDU: IP44 environmental protection
- Primary handset: IP66 environmental protection
- NMEA 0183 continuous GPS output
- 3-axis stabilised antenna with IP56 protection. Built on proven Inmarsat mini M platform
- Append GPS position to SMS
- No fuses – uses intelligent circuit breaker
- Quick and easy mini M replacement. Same ADU mounting bolt pattern

Fleet One includes a handset with a large colour LCD display and mobile phone type keys for text messaging. With Fleet One's additional RJ11 phone port, you can connect a standard cordless phone.

For internet service you can simply connect Fleet One to an onboard computer network or Wi-Fi Access Point for wireless networking using the RJ45 Ethernet connection included. With NAT and DHCP functions, Fleet One offers both single user (modem) and multi-user router modes. With MAC address filtering and firewall features, Fleet One offers unmatched access security.

Fleet One's internal GPS receiver and NMEA 0183 output can also be used to provide accurate position information to onboard systems such as plotters and depth sounders.

Fleet One uses secure IP-based technology which greatly enhances the privacy of your voice and data communications.

Charges are made for the kilobytes of data sent and received, not the time used. Flexible, seasonal airtime pricing and preferential pricing regions make Fleet One affordable for smaller vessels.

Terminal features

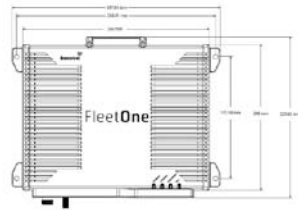
- Forced dialling – with SAC configuration control
- Restricted dialling
- Handset call priority
- Remote access
- Backup/restore of configuration settings
- SIM lock based on IMSI/APN
- Multilingual web console (English, Spanish, Chinese (simplified and traditional) and Dutch)
- Multi-user access with configurable access rights
- Time/volume limited data sessions
- Automatic position reporting and fleet tracking capability – geofencing, up to 10 polygon areas can be configured
- MAC filtering
- Port forwarding
- PPPoE
- Firewall

Technical specifications

Fleet One Above Deck Unit (ADU)



Fleet One Below Deck Unit (BDU)



Fleet One Handset



Description

- Inmarsat Fleet One type approval
- Compliant to R&TIE, IEC 60945: 2000
- Certification mark: FCC, CE, IC
- Green passport
- BDU - ADU RF Cabling max loss
- 12 dB at 1.6GHz and 4 ohm DC loop resistance

Service

- Voice: 4kbps AMBE+2
- Standard IP: Up to 100 kbps
- SMS: Up to 160 characters (3G standard)

Router Functions

- Single user router Mode (Modem Modem): NAT disabled, with option to enable/disable DHCP
- Multi-User Router Mode: NAT enabled, with option to enable/disable DHCP

Interfaces

- 1 x Ethernet port (RJ45 with PoE)
- 1 x Standard phone port (RJ11)
- Primary handset connector (RJ-45)
- GPS output connector (NMEA-0183)
- Antenna Connector: BDU: TNC female, ADU: N-type female
- SIM Card Slot
- Status indicator LEDs(4)
- Power On/Off switch
- DC Power Input socket

Power Supply

- DC input (isolated): +10.8V to +31.2V
- Power (max): 100W including antenna

Physical Data

- Dimension: BDU: 297 x 228 x 77 mm, ADU: 294mm (Dia) x 228mm (H)
- Weight: BDU: 2.8 Kg, ADU: 2.0 Kg

Environmental Conditions

BDU

- Operating temperature: -25 to +55°C
- Storage temperature: -40 to +80°C
- Operating humidity: 95% non-condensing at +40°C
- Ingress protection: IP44

ADU

- Operating temperature: -25 to +55°C
- Storage temperature: -40 to +80°C
- Operating humidity: 95% non-condensing at +40°C
- Ingress protection: IP56

Primary Handset

- Display: 50mm, 220 x 176 pixel TFT, 65K Colour LCD
- Dimension: 142 x 56 x 22 mm
- Weight: 390g
- Protection class: IP66
- Operational Temperature: -20 to +55°C
- Storage Temperature: -30 to +70°C
- Feature highlights: Configuration setting, Phone book access, Call log function, SMS Messaging, 5-way menu navigation switch for user-friendly menu operation, Hands-free operation via plug-in headset

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