

Oceana 800



Oceana 800



- Use standard telephone handsets
- Speakerphone/Handsfree
- Active Privacy Handset
- Tracking and Instant Messaging
- SMS / Voice / Data Services
- "505" Emergency Calling

Oceana 800 is an all-in-one maritime communications terminal specifically designed with a IP54 rating enclosure to be utilized in a wide variety of marine applications throughout the world.

Featuring an intelligent RJ11/POTS interface it enables connection of up to 5 standard corded/cordless phones or integration to a PABX system. It can support cable runs of up to 600m (2000 feet) with in-built intelligence to support standard ring, busy and dial tones.

The Oceana 800 has an integrated GPS engine providing intelligent tracking and instant message reporting via SMS or email. The Tracking and Instant Message functionality can be configured to support automated periodic polling or instant message reporting with a single button press.

Oceana 800 has an intuitive color LCD display that provides easy and convenient access to send and receive SMS or to retrieve phone numbers stored in the terminal.

Other key features of the Oceana 800 include: a secondary SIM socket to override the internal SIM, an active privacy handset, in-built handsfree speakerphone, integrated bluetooth, USB data, desk or wall mountable.

The Oceana 800 is designed to operate with the Inmarsat FleetPhone service and is supplied with a dedicated active marine grade antenna system to provide a completely integrated solution that is ready for use anytime.



Cargo Vessels



Recreational
Boats



Luxury Yachts



Fishing Vessels

DESIGN

- High quality IP54 rated maritime enclosure
- Colour LCD screen
- Compact all-in-one design
- Wall or desk mounting options
- Lock bolt for securing to wall
- Accessible control buttons
- Integrated antenna connections
- In-built slimline active privacy handset
- In-built speakerphone
- Cable routing LHS/TOP/BOTTOM
- Dual SIM card enclosures

POWER

- 10–32V DC Input
- 110/240V AC plug pack, [included]

INTELLIGENT POTS/RJ11 INTERFACE

- Supports up to 600m (2000 feet) of RJ11 cable runs
- Standard dial, ring & busy tones
- Integrates to PABX system
- Support standard corded, cordless and DECT phones
- Auto-dial & speed dials available

VOICE CALLING FEATURES

- RJ11/POTS interface
- In-built phonebook/contacts
- Privacy handset calling
- In-built handsfree speakerphone
- Access from PABX or other corded/cordless handsets
- Bluetooth headsets [not included]

INSTANT MESSAGE AND TRACKING FEATURES

- Supports LeoTRAK-Online and other tracking applications
- Dedicated internal GPS receiver

Tracking:

- Periodic location messages
- SMS, SMS to email
- Location message sent upon button press
- Ignition ON/OFF reporting
- Remote location polling via SMS

Instant Message Mode

- Single button press on terminal
- Instant GPS location messages
- Supports external “man down” pendant or button
- Remote clearing of alert via SMS

Tracking/Instant Message content includes

- Message ID#
- Header
- Latitude/Longitude
- Speed
- Direction

OTHER KEY FEATURES

- Includes BEAM Maritime Antenna [Active]
- Adjustable Brightness
- Supported by Inmarsat’s FleetPhone service



Tracking



Data



POTS/RJ11



USB



Privacy Handset



Handsfree



Instant Messaging



SIM (Rear)



2nd SIM



LCD Display



SMS



Phonebook



Bluetooth

AVERAGE POWER CONSUMPTION (Active Antenna Connected)	CURRENT @ 15V AVERAGE	POWER
Standby	0.22 A	3.2 W
Transmit (RJ11/POTS)	0.58 A	8.7 W
Transmit (Speakerphone)	0.53 A	7.9 W
Sleep Mode	5mA	75mW
Peak Current	1.7 A	26 W

PHYSICAL SPECIFICATIONS

Dimensions	241 x 185 x 93 (mm)	9.49 x 7.28 x 3.66 (inches)
Weight OC800 Only	1.27kg	2.80lb

ENVIRONMENTAL SPECIFICATIONS

Operation	-20°C to +55°C	-4°F to +131°F
Storage	-30°C to +80°C	-22°F to +176°F
Humidity	95%	

TRANSCEIVER

Inmarsat-4 Satellite
GMR - 2+ Frequency Bands

Tx Operating Frequency	1626.5 - 1660.5 MHz
Rx Operating Frequency	1518 - 1565 MHz (Inmarsat) 1565.19 - 1585.65 MHz (GPS)
RF Output Impedance	50 Ohms
Carrier Frequencies	Channel 0 = 1626.525 MHz Channel 169 = 1660.475 MHz
TX Modulation	GMSK
RX Modulation	OQPSK

GPS MODULE (internal)

Channels	14 tracking, 51 channel acquiring
Update Rate	1Hz
Accuracy	Position 2.5m CEP, Velocity 0.1m/s, Timing 300ns
Acquisition TTFF	Cold 29sec, Hot 1sec
Sensitivity	-161 dBm
Operational Limits	Altitude 18000m, Velocity 515m/s
Dynamics	4G

INSTANT MESSAGE

Instant Message	In-built - single key press
1 x alarm loop	Bare wire - "Normally closed" loop IN to OUT
Track	In-built - single key press

CONNECTORS / INTERFACES

POTS/RJ11	RJ11 1/2-wire, 5REN @ 600m, Adjustable dial, ring, busy tone configured frequency and adaptive impedance.
Inmarsat Antenna	TNC-Female
GPS Antenna	SMA-Female
10-32V DC	4-way microFit (AC/DC adaptor, or DC lead)
Privacy Handset Port	RJ9 connector
Configuration/Data	USB Mini B
Speakerphone	In-built speaker/microphone

CERTIFICATIONS

Inmarsat Type Approval, FCC, CE Compliance, Electrical Safety, RoHS, Industry Canada, C-Tick

IP54 Rating
5 = Protected against dust limited ingress (no harmful deposits).
4 = Protection against water sprayed from all directions - limited ingress permitted.

KIT CONTENTS

Oceana 800 Terminal
ISD710 Maritime Antenna (Active)
1 x spring cup (attached to terminal) 1 x springless cup
Privacy Handset
110 - 240V AC Plug Pack, 15V DC Out
10 - 32V DC Power Cable
USB Cable
2m Alert wiring loop
Wall mounting plate
User Manual, Quick Start Guide & Antenna Installation Guide

OPTIONAL ACCESSORIES

LTO	LeoTRAK-Online - www.leotrak.com
ISD932	IsatDock/Oceana 6m SMA/TNC cable kit (Active)
ISD933	IsatDock/Oceana 13m SMA/TNC cable kit (Active)
ISD934	IsatDock/Oceana 18m SMA/TNC cable kit (Active)
ISD935	IsatDock/Oceana 31m SMA/TNC cable kit (Active)
ISD938	IsatDock/Oceana 40m SMA/TNC cable kit (Active)
ISD942	IsatDock/Oceana 50m SMA/TNC cable kit (Active)
ISD943	IsatDock/Oceana 60m SMA/TNC cable kit (Active)
ISD944	IsatDock/Oceana 70m SMA/TNC cable kit (Active)
ISD945	IsatDock/Oceana 80m SMA/TNC cable kit (Active)
ISD946	IsatDock/Oceana 90m SMA/TNC cable kit (Active)
ISD947	IsatDock/Oceana 100m SMA/TNC Cable Kit (Active)
RST055	UPS Battery Pack

www.beamcommunications.com

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+61 3 8588 4500



+61 3 9560 9055



info@beamcommunications.com