inmarsat

Oceana 800

BEAM

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

BEAM

KEY FEATURES

Model: OC800

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

TECHNICAL SPECIFICATIONS

Model: OC800

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 (Spreakerphone)	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	RJ11/2-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 adator, 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

+61 3 8588 4500

+61 3 9560 9055

info@beamcommunications.com

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