

Oceana 400

OC400

LAND Solutions

SEA Solutions



Oceana400 OC400



The Beam Oceana 400 is designed to operate with the Inmarsat GSPS, IsatPhone Link & FleetPhone SIM's to provide reliable voice, data & SMS communication services to anyone in a remote location on land or sea or for emergency backup communications.

The Oceana 400 terminal is supplied with the Beam active Mast Mount Antenna (ISD710) to provide a complete integrated solution that is ready for use anytime, anywhere. Whilst the terminal was purposely designed for maritime applications to meet an IP53 ingress rating making the terminal suitable for on-board vessel communications the terminal can easily be used in any land based fixed site application.

Oceana 400 also features an intelligent POTS/RJ11 interface, enabling connection of up to 5 standard corded/cordless phones or integration to a PABX system. It can support cable runs of up to 600m (2000ft) and incorporates intelligence to support standard ring, busy and dial tones. The terminal is wall mountable and comes with a wall mounting plate or desk mountable. The USB data access allows configuration of the terminal and quick connection of a laptop or computer to have data connection, providing access to the laptop or computer to satellite connectivity.

KEY FEATURES

- High quality enclosure
- High quality design, IP53 rating
- POTS/RJ11 interface, cable runs up to 600m/2000ft
- Voice, SMS, SBD and Circuit Switched Data capable
- USB data interface
- Accessory/Ignition sense
- 10-32V DC power input
- AC plug pack included 110/240 input
- Basic SMS support via Falcon application (via USB port)
- Active Marine Grade Fixed site Antenna included in Kit
- Supports optional Active Vehicular Magnetic or Bolt Antennas
- 12 month repair or replacement warranty



data



voice



sms



pots/rj11



pabx
integration



usb



sim (rear)

Technical Specifications

POWER SPECIFICATIONS

Average Power Consumption (Active antenna connected)	Current @15v DC	Power
Standby	0.21A	3.1W
Transmit	0.57A	8.5W
Sleep Mode	4mA	60mW
Peak Current	1.73A	25.9W
Average Power Consumption (Passive antenna connected)	Current @15v DC	Power
Standby	0.17A	2.5W
Transmit	0.29A	4.4W
Sleep Mode	4mA	60mW
Peak Current	0.56A	8.4W

INMARSAT TRANSCEIVER

Inmarsat-4 Satellite GMR-2+ Frequency Bands

Carrier Frequencies	Channel 0 = 1626.525 MHz	Channel 169 = 1660.475 MHz
Tx Operating Frequency	1626.5 - 1660.5 MHz	8.5W
Rx Operating Frequency	1518 - 1565 MHz (Inmarsat)	1565.19 - 1585.65 MHz (GPS)
RF Output Impedance	50 Ohms	
TX Modulation	GMSK	
RX Modulation	OQPSK	

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
10-32 V DC	4-way microFit (AC/DC adapter, or DC lead)
Configuration/Data	Mini USB
LEDs	Signal, Call, Message

ENVIRONMENT SPECIFICATIONS

Temperature	Degrees °C	Degrees °F
Operating Range	-20 to +55	-4 to +131
Storage	-30 to +80	-22 to +176
Humidity	< = 75% RH	

PHYSICAL SPECIFICATIONS

Dimensions	mm	inches
Unit	240 x 190 x 53	8.0 x 7.5 x 2.1
Outer Box	420 x 180 x 300	16.54 x 7.09 x 11.81
Weight	kgs	lbs
Unit	0.58	1.28
Outer Box	3.2	7.05

CERTIFICATIONS

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

IP53 Rating
 5 = Protected against dust limited ingress (no harmful deposits).
 3 = Protected against direct sprays of water up to 60° from the vertical.

KIT CONTENTS

Oceana 400 Terminal

ISD710 Maritime Antenna (Active)

110-240V AC Plug Pack

10-32V DC Power Cable & USB Cable

2 x screws for wall mounting

User Manual

Quick Start Guide

Antenna installation guide

Accessories

CVTINM	Inmarsat Covert Antenna
ISD932	IsatDock/Oceana SMA/TNC Cable Kit Active - 6m/19.7ft
ISD933	IsatDock/Oceana SMA/TNC Cable Kit Active - 13m/42.7ft
ISD934	IsatDock/Oceana SMA/TNC Cable Kit Active - 18.5m/60.9ft
ISD935	IsatDock/Oceana SMA/TNC Cable Kit Active - 31m/101.7ft
ISD938	IsatDock/Oceana SMA/TNC Cable Kit Active - 40m/131.2ft
ISD942	IsatDock/Oceana SMA/TNC Cable Kit Active - 50m/164.0ft

ISD943	IsatDock/Oceana SMA/TNC Cable Kit Active - 60m/196.85ft
ISD944	IsatDock/Oceana SMA/TNC Cable Kit Active - 70m/229.7ft
ISD945	IsatDock/Oceana SMA/TNC Cable Kit Active - 80m/262.5ft
ISD946	IsatDock/Oceana SMA/TNC Cable Kit Active - 90m/295.3ft
ISD947	IsatDock/Oceana SMA/TNC Cable Kit Active - 100m/320.1ft
RST060	UPS Battery Pack



Captain and Crew Calling



Connection to PABX System



Marine Oil/Drilling Rigs



In-Building - PABX Integration



Global Head Office (Australia)

Beam Communications Pty Ltd
5/8 Anzed Court, Mulgrave, Victoria
AUSTRALIA 3170

Tel: +61 3 8588 4500
Fax: +61 3 9560 9055

Website: www.beamcommunications.com
General: info@beamcommunications.com
Support: support@beamcommunications.com
Sales: sales@beamcommunications.com

Europe

Tel: +44 208 144 1405
Fax: +44 208 289 3542

United States

Tel: +1 800 250 5819 (USA toll free)
Fax: +1 888 972 8037

APPROVED BEAM RESELLER

© 2016 Beam Communications Pty Ltd

OC400_REV03_11/16