

Oceana 400



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 RJ11/POTS 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.

APPLICATIONS



KEY FEATURES

- ▶ **DESIGN**
 - High quality enclosure
 - IP53 rated (rainproof)*
 - Wall or desk mountable
 - Integrated antenna connections
 - SIM socket on the rear of the terminal
- ▶ **POWER**
 - 10-32V DC input
 - 110/240V AC plug pack included
- ▶ **INTELLIGENT POTS/RJ11 INTERFACE**
 - Supports up to 600m (2000 feet) of RJ11
 - Dial, ring & busy tones
 - Integrates to PABX system
 - Support standard corded, cordless or DECT phones
 - Auto-dial & speed dials available
- ▶ **OTHER KEY FEATURES**
 - Status LED indication for registration/signal, call and messaging
 - USB data access
 - Basic SMS support via Falcon application (via USB port)
 - Includes BEAM Maritime Antenna (Active)
 - Accepts Inmarsat GSPS, IsatPhone Link and FleetPhone SIM cards

*IP53 rated when wall mounted only.

AVERAGE POWER CONSUMPTION (Active Antenna Connected)	CURRENT @ 15V AVERAGE	POWER
Standby	0.21A	3.1W
Transmit	0.57A	8.5W
Sleep Mode	4mA	60mW
Peak Current	1.73A	25.9W
PHYSICAL SPECIFICATIONS		
Dimensions	240 x 190 x 53 (mm)	8.0 x 7.5 x 2.1 (inches)
OC400 Weight	0.58kg	1.28lbs
ENVIRONMENTAL SPECIFICATIONS		
Operating Range	-20°C to +55°C	-4°F to +131°F
Storage	-30°C to +80°C	-22°F to +176°F
Humidity	<= 75% RH	
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	
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 adaptor, or DC lead)	
Configuration/Data	Mini USB	

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)	
1 10-240V AC Plug Pack, 15V DC Out	
10-32V DC Power Cable	
USB Cable	
2 x Screws for wall mounting	
User Manual, Quick Start Guide & Antenna Installation Guide	
OPTIONAL ACCESSORIES	
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)
RST055A	UPS Battery Pack



SMS



POTS/RJ11



USB



SIM (Rear)



Data



Signal Strength



Mackay Communications, Inc.
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