

Oceana 400



Oceana 400 is a slimline terminal purposely designed for use in maritime applications where the simplest access to reliable voice and data communications services is required.

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 supporting cable runs of up to 600m (2000 feet), with in-built intelligence to support standard ring, busy and dial tones.

Other key features of the Oceana 400 include: a high quality IP53 rated enclosure (rainproof when wall mounted), wall or desk mountable and USB data access.

The Oceana 400 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.

APPLICATIONS



**Captain & Crew
calling from
one unit**



**Connect to
ships PABX**



**Marine Oil/
Drilling Rigs**

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) Maritime grade mart mount active antenna

*IP53 rated when wall mounted only.

TECHNICAL SPECIFICATIONS

Model: OC400

| 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 |
| ENVIRONMENT 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 | |
| TRANSCIVER | | |
| 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) | |
| 1 110-240V 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) |
| RST055 | UPS Battery Pack |



SMS



POTS/RJ11



USB



SIM (Rear)



Data



Signal Strength



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