



Terra 400



Terra 400 is a slimline terminal purposely designed for use in fixed site, emergency service applications where permanent reliable communications services are required.

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

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

The Terra 400 is designed to operate with the Inmarsat "Link Phone" service and is supplied with a dedicated directional antenna system to provide a completely integrated solution that is ready for use anytime.

APPLICATIONS



In-building - PBX integration



Remote Communities and Towns



Regional Offices



Remote work sites

KEY FEATURES

DESIGN

- High quality enclosure
- IP53 rated (rainproof)
- Wall Mounting option
- Integrated antenna connections
- SIM socket rear of terminal

POWER

- 10-32V DC input
- 110/240V AC plug pack included

INTELLIGENT POTS/RJ11 INTERFACE

- Support standard corded, cordless or DECT phones
- Support up to 600m (2000') of RJ11
- Dial, ring & busy tones
- Integrated to PABX System
- Auto-dial & speed dials available

OTHER KEY FEATURES

- Status LED indication for registration/signal, call and messaging
- USB data access
- Basic SMS support from Falcon application (via USB Port)
- Rear access SIM Port
- Includes Directional/Fixed antenna

TECHNICAL SPECIFICATIONS

Model: TR400

AVERAGE POWER CONSUMPTION (Passive Antenna Connected)	CURRENT @ 15V AVERAGE	POWER
Standby	0.17A	2.5W
Transmit	0.29A	4.4W
Peak Current	0.56A	8.4W
PHYSICAL SPECIFICATIONS		
Dimensions	240 x 190 x 53 (mm)	8.0 x 7.5 x 2.1 (inches)
Weight TC400 only	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	
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 - 585.65 MHz (GPS)	
RF Output Impedance	50 Ohms	
Carrier frequencies	Channel 0 = 1626.525 MHz Channel 169 = 1660.475 MHz	
TX Modulation	GMSK	
RX Modulation	QGPSK	

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
10-32 V DC	4-way microFit (AC/DC adaptor, or DC lead)
Configuration/Data	USB Mini B
CERTIFICATIONS	
IP53 Rating 5 = Protected against dust limited ingress (no harmful deposits). 3 = Protected against direct sprays of water up to 60° from the vertical.	
Inmarsat, FCC, CE Compliance, Electrical Safety, RoHS, Industry Canada, C-Tick	
KIT CONTENTS	
Terra 400 Terminal	
ISD700 Directional/Fixed Antenna (Passive)	
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 (QSG)	



SMS



POTS/RJ11



USB



SIM



DATA

www.beamcommunications.com



+61 3 8588 4500



+61 3 9560 9055



info@beamcommunications.com