

Intellian's Iridium Certus® 700 GMDSS System

Intellian have developed a shipboard GMDSS system based on Intellian's C700 Iridium Certus® terminal. As required by SOLAS, all the core components and accessories are MED approved (Wheelmarked).

Intellian's Iridium Certus GMDSS systems are part of a wider portfolio of modern, coherently designed, GMDSS equipment including VHF Class A, MF/HF Class A and NAVTEX.

Key Features

- 100% Global Coverage
- SOLAS approved (MED/Wheelmark)
- 7" IPS TFT Full Touch Screen
- Auto & Manual Dimming Function
- Safety Voice, Safety Messaging and MSI
- Distress Alert & Distress Call
- Supports non-emergency communications
- Intuitive, User-Friendly Graphic Design
- SSAS & LRIT functions
- Full set of accessories including power supply and optional keyboards

C700 GMDSS: Truly Global Service

Experience enhanced safety with the C700 GMDSS, an Iridium satcom product providing 100% global coverage for all SOLAS vessel GMDSS requirements. This system proudly meets the new IEC 61097-16 (2019) GMDSS standard and is MED / Wheelmark approved, affirming its robust and compliant performance worldwide.

One Terminal: Daily comms to Distress Calls

Both the C200M and the C700 may be configured to deliver GMDSS solution as well as providing non-emergency comms. A single terminal could be used for SOLAS GMDSS and act as a companion to a flat panel or VSAT.

It includes Distress Alert & Safety Voice as well as Maritime Safety

Information (MSI) but also supports SSAS communications and LRIT. Moreover, it can also provide routine communications either as a standalone satcom solution or as a companion terminal.

Built for Safety, Designed for the Bridge

The Safely Display Terminal (SDT) provides ship staff with direct, clear access to essential Satcom GMDSS features from the bridge console.

Its 7" IPS multi-touch screen ensures wide-angle visibility, complemented by precise auto/manual dimming for optimal operation in any light.

The intuitive user interface makes it easy to make routine voice calls and access Maritime Safety Information (MSI); but in the event of a distress event, it enables quick and easy communication with Rescue Co-ordination Centers (RCC) and nearby vessels.



- COMMERCIAL
- CRUISE
- FERRY
- YACHTING
- FISHING

A single coax antenna cable connects the BDU and ADU. The SDT can be either bracket mounted or flush mounted. There are a full set of accessories available, including a power supply, pole mounting kit, GMDSS Alarm Button, GMDSS alarm unit & optional printer/keyboards.

For retrofits there is a Universal Flush Mounting Bracket that can be used to cover the cut out in the console from the equipment being replaced.



System Configuration

C700 GMDSS SATELLITE COMMUNICATION SYSTEM

Certifications & Standards MED (Wheelmark), MER, Maritime CE, FCC, ISED, RED, RoHS 2, Iridium®, KC

Vibration, operational IEC 60945

Vibration, shock Half sine 20 g/11 ms

C700 ADU

Dimension 370 x 270 mm / 14.5" x 11.0"

Weight 7.3 kg / 16 lb

Tx Frequency 1616 MHz ~ 1626.0 MHz

Rx Frequency 1616 MHz ~ 1626.5 MHz

Antenna Gain L2 Class

Antenna Connectors TNC female (ADU) - TNC female (BDU)

C700 BDU

Dimension 280 x 190 x 41 mm / 11" x 7.2" x 1.45"

Weight 1.2 kg (stand alone type) / 2.6 lb

Power (max) 110 W

DC Input 10.8 ~ 30 VDC

SAFETY DISPLAY TERMINAL (SDT)

Display 7" IPS TFT Full Touch Screen (1024 x 600)

with Bracket: 254 x 147 x 94 mm / 10" x 5.8" x 3.7" w/o Bracket: 239 x 135 x 85 mm / 9.4" x 5.3" x 3.3"

Weight 1.0 kg / 2.2 lb

DC Input 24 VDC

IP Rate IP32

Temperature (Oper.) -15°C to +55°C (+5°F to +131°F)

Interfaces Ethernet x 2, RS-422 x 2, CAN, RS-232

HANDSET & CRADLE

Weight (HS + wire) 0.4 kg / 0.88 lb

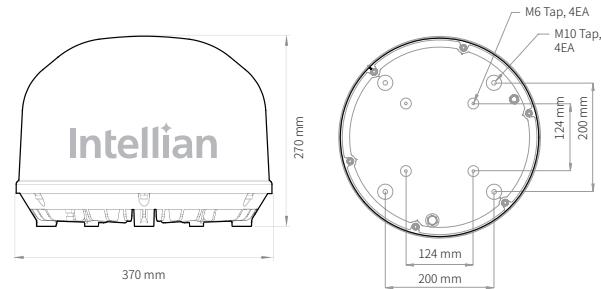
Dimensions 82 x 236 x 76 mm / 3.2" x 9.3" x 2.99"

Temperature (Oper.) -15°C to +55°C (+5°F to +131°F)

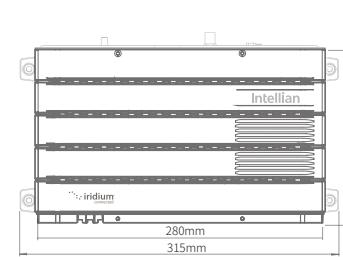
IP rating IP32

System Dimension

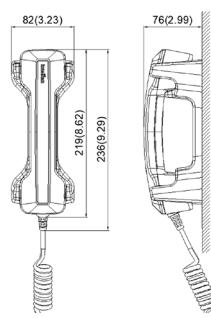
ADU



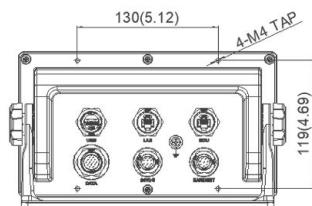
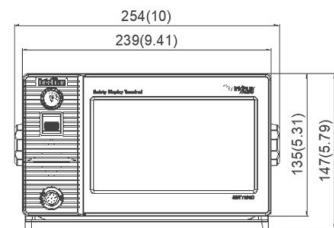
BDU



Handset & Cradle



SDT (Safety Display Terminal)



System Diagram

