

INTELLIAN C700 GMDSS SYSTEM

HIGH-PERFORMANCE CERTUS 700 GMDSS SYSTEM

The Intellian C700 GMDSS System is the only Iridium Certus C700 GMDSS terminal available today. It delivers a fully compliant, next-generation GMDSS solution supported by 100% global, pole-to-pole connectivity. The system meets IMO and SOLAS requirements and supports all three mandatory Iridium GMDSS services: Distress Alert, Safety Voice, and Maritime Safety Information (MSI). Beyond core safety tasks, the C700 also provides LRIT and SSAS. Operating over Iridium® Certus 700, Intellian C700M is a perfect L-band companion for Flat Panels and VSAT terminals.

The integrated 7" Safety Display Terminal (SDT), intuitive interface, and strong bridge integration capabilities make the C700 a high-performance, installation-ready choice for any SOLAS-regulated vessel.

FEATURES



Full GMDSS
Compliance



Truly Global
Coverage



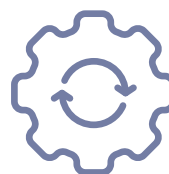
Robust L-band
companion



7" Safety Display Terminal



User-Centric Design



Easy Installation

SPECIFICATIONS

C700 GMDSS

Certifications: MED (Wheelmark), MER, Maritime CE, FCC, ISED, RED, RoHS2, Iridium®, KC

Regulatory: SOLAS type-approved

Vibration (operational): IEC 60945

Vibration, shock: Half sine 20 g / 11 ms

ADU (ABOVE DECK UNIT)

Dimensions: 370 × 270 mm / 14.5" × 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

Connectors: TNC female (ADU) – TNC female (BDU)

BDU (BELOW DECK UNIT)

Dimensions: 280 × 190 × 41 mm / 11" × 7.2" × 1.45"

Weight: 1.2 kg (standalone) / 2.6 lb

Power (max): 110 W

DC Input: 10.8 – 30 VDC

SDT (SAFETY DISPLAY TERMINAL)

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

Dimensions (with bracket): 254 × 147 × 94 mm / 10" × 5.8" × 3.7"

Dimensions (without bracket): 239 × 135 × 85 mm / 9.4" × 5.3" × 3.3"

Weight: 1.0 kg / 2.2 lb

DC Input: 24 VDC

IP Rating: IP32

Temperature: -15°C to +55°C

Interfaces: Ethernet × 2, RS-422 × 2, CAN, RS-232

HANDSET & CRADLE

Weight (handset + wire): 0.4 kg / 0.88 lb

Dimensions: 82 × 236 × 76 mm / 3.2" × 9.3" × 2.99"

Temperature: -15°C to +55°C

IP Rating: IP32

ACCESSORIES

MED-approved Power Supply Unit

Junction Box

SSAS buttons

GMDSS Alarm Button / Alarm Unit

Universal flush-mount retrofit plates

Printer / keyboard options

USE CASES

GLOBAL, RELIABLE GMDSS OPERATION

The C700 provides uninterrupted, certified GMDSS coverage across all oceans, including polar regions. Its resilient L-band connection powered by Iridium® Certus 700 service provides dependable connectivity for business continuity of the critical digital operations.

ENHANCED CREW SAFETY & SITUATIONAL AWARENESS

The 7" SDT reduces crew workload by presenting all critical safety functions through a clear and intuitive interface. Automated MSI reception, precise dimming control, and straightforward distress workflows support faster communication with MRCCs and nearby vessels.

SEAMLESS BRIDGE INTEGRATION

With both serial and Ethernet interfaces, the C700 connects smoothly to BAM, navigation systems, alarm units, and other communication equipment. Optional accessories deliver a complete, bridge-ready installation package for any vessel.

