



C700

Iridium CertusSM Maritime Terminal



The Most Powerful Iridium Certus Terminal Available on Market

The Intellian C700 maritime satellite terminal connects to the Iridium NEXT network of 66 Low-Earth Orbit (LEO) satellites, providing pole-to-pole communication. Using the Iridium Certus service, the Intellian C700 provides three high-quality voice lines and the highest IP data speeds among L-band terminals of up to 704 Kbps.

A Perfect Primary or VSAT Companion' Use

Intellian is the No. 1 maritime VSAT manufacturer and market leader.

All Intellian C700 terminals are optimized as VSAT companion devices. The combination of the traditional Intellians VSAT Ku-band and Intellians new C700 systems will guarantee a seamless connection wherever you are. Easy APIs for M&C, firewall security, and will easily integrate as part of a VSAT out-of-band management solution.

Best-in-Class Antenna Performance

The 12-element patch antenna type 2 (HGA2) improves low elevation angle performance. This innovative electronic phased-array antenna guarantees a reliable and high-throughput connection in all conditions. Also, the H2 class high power amplifier enables up-link data speeds of up to 352 Kbps as standard.

User Friendly Management Interface

The tailored AptusLX management platform provides the same look and feel on a PC, mobile device and remotely from the shore.

User Solutions

- * Quick and easy deployment for new installations
- * Reuse of mast, power and cable supply
- * Fit and Forget by design

Key Benefits of Intellian C700

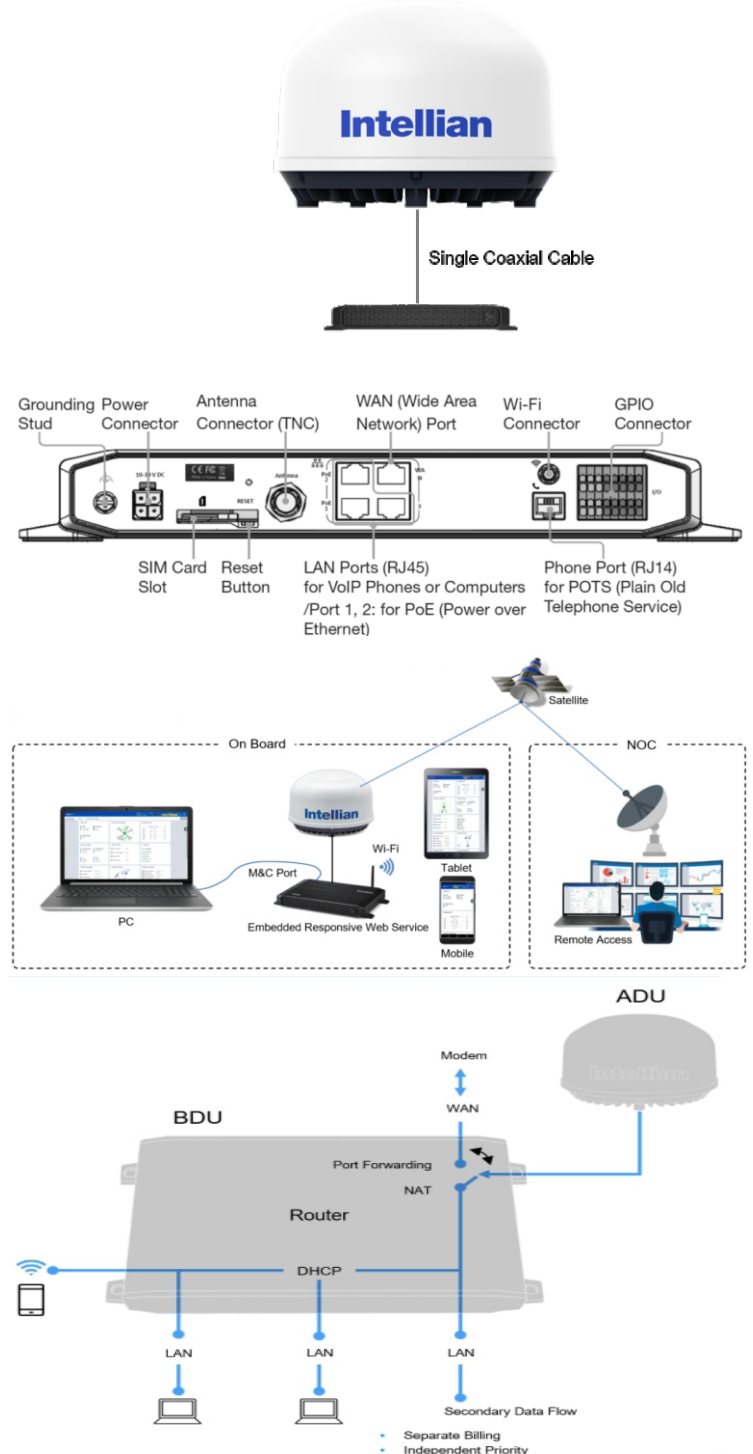
- Low latency connection
- H2 Antenna Amplifier for 352 Kbps service
- Enhanced low elevation angle antenna performance guarantees the most reliable and high throughput in rough seas
- Easy installation and simple configuration
- Cyber Security Enhanced
-Built-in Firewall and User Threat Management
- IoT & Tracking Capabilities
- Ethernet-over-Coax (EoC) technology
- Single Coaxial Cable Antenna Connection
- Solid-State Reliability
- 3-Year Global Warranty - Parts and Labour
- Designed for a 10-year minimum operational lifetime
- Lower Total Cost of Ownership
- GMDSS Ready
- DHCP Server embedded
- Three HD quality voice lines with Cellular smartphone-type voice quality & Soft PBX function
- 4-Port Ethernet (LAN) PoE and WAN
- Simultaneous IP connection for up to 16 SIP handsets



Technical Specifications

Iridium Services	
Voice	3 simultaneous HD voice lines
IP Data (Background)	Uplink: up to 352 Kbps Downlink: up to 704 Kbps
IP Streaming	Uplink/Downlink: up to 256 Kbps
Short Burst Data	Yes
Physical	
ADU Dimensions	370 x 270 mm / 14.5" x 11.0"
ADU Weight	8 kg / 17.6 lbs.
BDU Dimensions	280 x 183.5 x 41 mm / 11" x 7.2" x 1.45"
BDU Weight	3.5 kg (stand-alone type) / 7.7 lbs.
Power	
DC Input	10 ~ 32 V DC
Power (max)	120 W
RF / Antenna	
Tx Frequency	1616 MHz ~ 1626.0 MHz
Rx Frequency	1616 MHz ~ 1626.5 MHz
Antenna Gain	HGA 2 Class
Antenna Connectors	TNC female (ADU) – TNC female (BDU)
GNSS	GPS, GLONAS, Galileo, Beidou
Wi-Fi	802.11 b/g
Approval	
Type Approval	CE/RED, FCC
Certifications	Iridium
Environmental Conditions	
Operating Temp. range	-25°C ~ + 55°C (ADU) -15°C ~ + 55°C (BDU)
Operating Humidity range	More than 95%
Water Ingress	ADU: IP56, BDU: IP31
Shock & Vibration	Shock: IEC60068-2-27 (operation), IEC60721-3-6 Class 6M3 (survival) Vibration: IEC60945 (operation), IEC60721-3-6 Class 6M3 (survival)
I/O	
Ethernet/WAN	RJ45 (4)
Phone	RJ14 (1)
Wireless	1 Wi-Fi (SMA female)
I/O	10 pin GPIO
Etc.	SIM, Reset, On/Off, Ground, USB (2)

System Diagram



1, Primorski Blvd., Varna, Bulgaria
 Tel.: +359 52 683 700
 Fax: +359 52 683 155
 e-mail: mss.sales@nbs-maritime.com