Intellian

PARTS + LABOUR

C700 Iridium Certus[™] Maritime Terminal

I The Most Powerful Iridium Certus Terminal Available

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 VSAT Backup Solution

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 Intellian's VSAT Kuband and Intellian's 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 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 uplink data speeds of up to 352 Kbps as standard.

System Highlights

Intellian

- Powerful 12 Element Patch Phased-Array Antenna
- 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

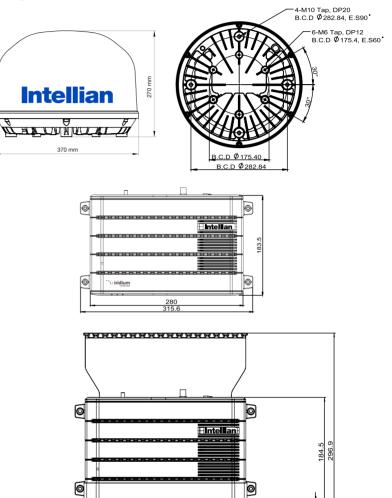
 Built-in Firewall and User Threat Management
- Single Coaxial Cable Antenna Connection
- Solid-State Reliability
- 3-Year Global Warranty Parts and Labour
- Designed for a 10-year minimum operational lifetime
- Lower Total Cost of Ownership
- GMDSS Ready
- DHCP Server embedded
- Three high quality voice lines with Soft PBX function
- 4-Port Ethernet (LAN) PoE and WAN
- Simultaneous IP connection for up to 16 SIP handsets

C700 New Iridium Certus Terminal for Iridium NEXT

I Technical Specifications

I System Dimension

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





Global HQ Innovation Center Intellian Technologies, Inc T +82 31 379 1000 F +82 31 377 6185 **APAC** Seoul Intellian Technologies, Inc. T +82 2 511 2244 F +82 2 511 2235

Americas Irvine Intellian Technologies USA, Inc.

T +1 949 727 4498 F +1 949 271 4183 Toll Free +1 888-201-9223 EMEA Rotterdam Intellian B.V. T +31 1 0820 8655 F +31 1 0820 8656

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