IEC telecom

Intellian

INTELLIAN C700

POWERFUL IRIDIUM CERTUS® TERMINAL

Offering truly global pole-to-pole coverage, Intellian C700 is powered by the Iridium Certus® network of 66 LEO satellites and can be deployed as the primary onboard communications antenna or as a companion to the existing VSAT system. The all-in-one winterised terminal simultaneously supports three HD quality low-latency voice lines and can deliver uplink speeds of 352 Kbps and downlink speeds of 704 Kbps to ensure seamless connectivity in all weather conditions, including extreme low temperature environments. Intellian Certus® C700 is a solid-state antenna with no moving parts, requiring no scheduled maintenance over its lifetime.

FEATURES

Pole-to-pole coverage

Connectivity via 66 LEO satellites

Fastest L-band broadband service

HD quality voice lines

GMDSS Ready*

No maintenance requirements

*For non-SOLAS market, when paired with Intellian GMDSS console. (GMDSS console and SOLAS-compliant terminals are under development and will be available in the future.)

SPECIFICATIONS

WEIGHT
Antenna: 7.3 kg
Terminal: 1.2 kg

DIMENSIONS
Antenna: 370 x 270 mm
Terminal: 280 x 190 x 41 mm

OPERATIONAL TEMPERATURE
Antenna: -50°C to +55°C
Terminal: -15°C to +55°C

OPERATING HUMIDITY
> 95%

DURABILITY STANDARD
Water, shock, and vibration-resistant, winterised terminal for extreme environments

SUPPLY VOLTAGE
Antenna: 10.8 V to 30 V DC
Heating Device: 220 V AC, 0.91 A

OUTPUT POWER
Antenna: 120 W

IP DATA
Up to 352 Kbps (uplink);
Up to 704 Kbps (downlink)

TX FREQUENCY
1616.0 MHz – 1626.0 MHz

RX FREQUENCY
1616 MHz – 1626.5 MHz

ANTENNA CONNECTOR
TNC female (ADU) - TNC female (BDU)

GNSS
GPS
GLONAS
GALILEO

I/O
LAN: 3 x RJ45
WAN: 3G/4G/LTE WAN PORT
WIRELESS: 1 Wi-Fi (SMA-RP)
I/O: 10 PIN GPIO

VOICE
3 simultaneous HD quality voice lines
Up to 2 analog telephones
Soft PABX for up to 16 SIP Phones

ALL-IN-ONE-TERMINAL
Built-in Analog Terminal Adapter (ATA)
Built-in Power-over-Ethernet (PoE)
Built-in Private Automatic Branch Exchange (PABX)
Built-in Router
Built-in Firewall
Built-in WAN
Built-in WiFi

CERTIFICATION
CE/RED
FCC

IN THE BOX (STANDARD)
C700 Terminal
Antenna
DC Power Cable
Antenna Cable (25m)
Ethernet Cable (3m)
WiFi Antenna

USE CASES

FISHING
Enable efficient vessel operations with real-time information about environmental conditions, port notifications, and fish catch reporting. Access a dependable link for voice communications.

MERCHANT SHIPPING
Support crew welfare and shipping operations with stable voice and data communications even in extreme environments. Benefit from a solid-state antenna that requires no scheduled maintenance.

LEISURE & YACHTING
Access high-speed, always-on connectivity to accommodate multiple onboard internet users. Enjoy low-latency applications for data transfers, voice calls, and entertainment.

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