

# IRIDIUM CERTUS C700

## TRULY GLOBAL CONNECTIVITY FOR ALL VESSELS

Offering truly global pole-to-pole coverage, Certus C 700 is powered by the Iridium's 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 winterized 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. Certus C 700 is a solid-state antenna with no moving parts, requiring no scheduled maintenance over its lifetime.

### FEATURES



Pole-to-pole  
coverage



LEO satellite network  
connectivity



Fastest L-band  
broadband service



HD quality  
voice lines



Winterized terminal  
for extreme environments



No maintenance  
requirements

## SPECIFICATIONS

### WEIGHT

Above Deck Unit: 21 kg  
Below Deck Unit: 1.2 kg

### DIMENSIONS

Above Deck Unit: 700 x 720 mm  
Below Deck Unit: 280 x 190 x 41 mm

### OPERATIONAL TEMPERATURE

Above Deck Unit (°C): -50°C to +55°C  
Below Deck Unit (°C): -15°C to +55°C

### OPERATING HUMIDITY

> 95%

### 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)

### INGRESS PROTECTION

Above Deck Unit: IP56  
Below Deck Unit: IP31

### TX FREQUENCY

1616.0 MHz – 1626.0 MHz

### RX FREQUENCY

1616 MHz – 1626.5 MHz

### ANTENNA CONNECTOR

TNC

### GPS

### GLONAS

### GALILEO

### 3 SIMULTANEOUS HD QUALITY VOICE LINES

### 3 X RJ45 LAN

### 3G/4G/LTE WAN PORT

### 2 ANALOG PHONES

### 10 PIN GPIO

### GMDSS READY

### BUILT-IN WIFI

### BUILT-IN FIREWALL

### SOFT PABX & LTE INTERFACE CAPABILITY

### IN THE BOX

C700 Terminal  
Below Deck Unit  
Power Supply Kit

## 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.

