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Specs

QUOTATION FOR IRIDIUM SATELLITE SERVICE FOR ERCOT From Shirley
Hunter

Lead time from receipt of PO 10 – 14 business days

Applied Satellite Systems Com Center Quantity 10

RJ11 Analog Phone Jack RJ45 for switch inputs & external I/O RJ45 DSC Bus (for Handset/SIM Reader)

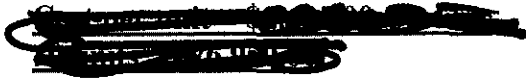
2.5 mm Headset Jack DB9 Data Port DC Inlet Jack The ComCenter is a feature-rich DATA and VOICE solution for the Iridium network. A high-powered intelligent controller and high visibility display allow you to configure the ComCenter precisely to meet your needs. Connect your satellite communications solutions at a single point. ADVANCED FEATURES....

Employee/Crew Calling-Log Can be configured for pre-assigned 5-digit calling ID required to activate call. Crew calling can be automatically logged without requiring calling cards. Configuration and call log accessed via Ontec Web Services Remote Access and Configuration Access to usage reports and configuration via Ontec Web Service Simplified operation, troubleshoot and setup. High-visibility graphical display for setup, troubleshooting, programming, and simplified operation Features "Smart Dialing". The ComCenter knows the correct format for the country that is being dialed and places the call once the number is entered. Plus, Smart Dialing eliminates the superfluous '00' IDD code (no more international dialing sequence) Includes a Base Station ringer so you know when someone is calling you! Versatile Power Input 10-32VDC Input range supports power systems on most vehicles and vessels. Optional Power Adapter (ISU-VADAC) for 100-240VAC, 47-63Hz operation. RJ11 Connect. Connects to an analog phone (single or PBX) – including multihandset wireless phones Web Connect. Remote configuration and management using Ontec Web Services provides unparalleled enterprise-wide communication and data management services Hands-free Connect with headset/microphone jack using audio enhancement circuitry to provide excellent audio quality! Data-port Connect. RS232 port for data connections including internet connection with the Apollo Emulator.

ComCenter Interface Ports Port Function RJ11 SLIC Analog Phone, PBX Interface DB-9 Data RS-232C Computer Interface 2.5mm Audio Jack Hands-free Headset Operation RJ45 DSC Bus SIM card reader, digital handset RJ45 Expansion I/O (3) 5V Logic Level Inputs, (3) Outputs Power Input Jack DC Voltage Input Electrical Specifications Parameter Value Operating Voltage Range 10 to 32VDC Unregulated Power Consumption 12 Watts Max Mechanical Specifications Parameter Value Dimensions

ERCOT
Confidential

10.75 x 4.5 x 2.65 Inches Weight 4 Lbs Mounting Flange Mount Environmental
Specifications Parameter Value Operating Temperature Range -15°C to +70°C Exposure
Dry, Protected Location per IEC 60945 AC/DC Power Converter



AD510-1 Passive Iridium Antenna – Marine or Land Quantity 10

An extremely robust passive antenna designed for use with all the Iridium series of Satellite Phones.

Specifications:

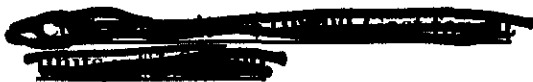
Max. Diameter 87 mm.
Height (including Connector) 100 mm.
Weight (including Bracket) 1 Kg
Operating Temp. -40 to +85% C.
Connector TNC female.
VSWR <2 : 1
Impedance 50 ohms Ω
Frequency 1610-1630 MHz.
Polarization Right hand circular.

Provides superior performance for external mounting in harsh or marine environments. The radome is 4 mm GRP/Polyester mix whilst the base is milled from aluminum and hard anodized giving an attractive green finish, which is mechanically resilient and resistant to corrosion. The unit is designed for free air mounting and no ground plane is required.

The bracket (AD510-2) provided with each antenna can be attached to vertical or horizontal spars up to 60mm in diameter using the U bolts provided. Connection to the Iridium handset is made with an appropriate coaxial cable via a TNC on the underside of the antenna.

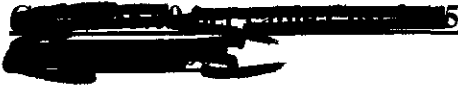
Mounting Bracket:

Heavy Duty Marine Alloy
Vertical or Horizontal pole mount.
Pole mount up to 60 mm.
Supplied complete with stainless U bolts and nuts.



Cables Quantity 5

75 feet length – this is the longest cable recommended for use with the Passive Antenna



In some locations the distance from the units to the Antenna may be further than 75 feet and it is not recommended that you use the Passive Antenna for the greater distances as the signal loss will be too great. For distances of 75ft to 130 feet and Active antenna is required. I have quoted the pricing and specs for this Antenna should it be required.

**Qty 1 AD520-10 Active Iridium Antenna including 40 meters (130 feet approx)
RG213U coax cable - Marine or land applications**

An extremely robust antenna designed for use where long & flexible cable runs are required

Specifications: Active Antenna
Max. dimensions . 310 x 150 mm max.(LW)
Height(including Connector) 120 mm.
Weight (including Bracket) 3.2 Kgs.
Operating Temp. -40 to +85 degrees Cent.
Connector N female.
VSWR <2 : 1
Frequency 1610-1630 MHz.
Polarization Right hand circular.
Antenna type RHCP dipole.
Interdigital filter bandwidth 12 MHz.(Rx.)
Operating voltage +9 to 36 Volts dc.

Current (max.) 500 mA.

Provides superior performance with all the Iridium series Satellite Phones for external mounting in harsh or marine environments. The radomes are 4 mm GRP/Polyester mix whilst the base is milled from aluminum and hard anodized giving an attractive green finish, which is mechanically resilient and resistant to corrosion. The unit is designed for free air mounting and no ground plane is required

Specifications: Break in junction Box.
Size 140 x 70 x 45mm. Max. (LWH)
Weight 0.4 Kgs.
Connectors: TNC female (rf in), N female (rf out), 2 pin screw female (dc in)
Supplied complete with mounting bracket and 40 meters of RG 213U 10.4 mm diameter coax, one-meter interconnection lead for Iridium phone to antenna connection and power lead. Powered via the coax from a 12/24 volt dc supply connected to the break in box.

Specifications: Mounting Bracket: Heavy Duty Marine Alloy, Vertical or Horizontal pole mount up to 60 mm, supplied complete with stainless U bolts and nuts.

~~Cost per unit = \$1500.00~~ **and 40 meters (~ 20 feet)** including 40 meters (approx 120 feet) cable

Shipping costs will be added as applicable.

If you require any further information please do not hesitate to contact me.

Regards

Shirley Hunter