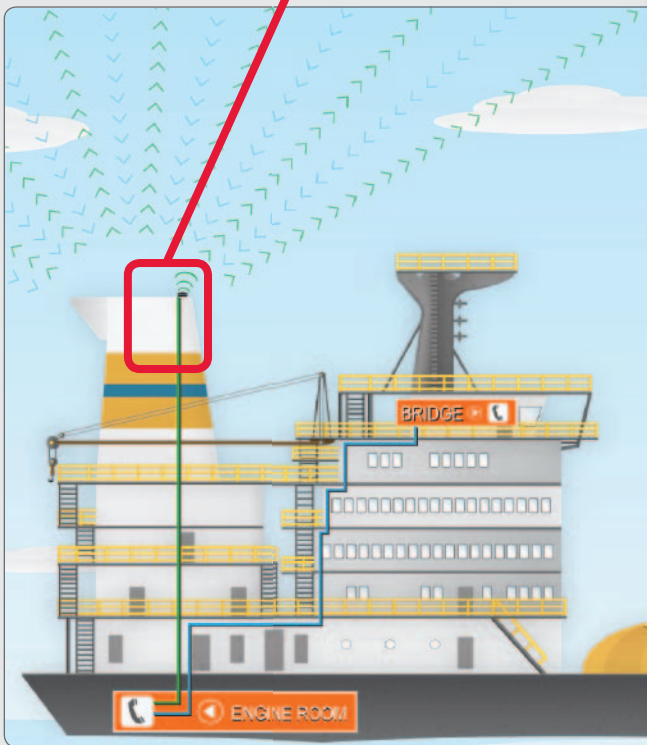




ASE CITADEL COMMUNICATIONS INSTALL ANYWHERE ON THE SHIP ELIMINATES ANTENNA DISTANCE LIMITATIONS

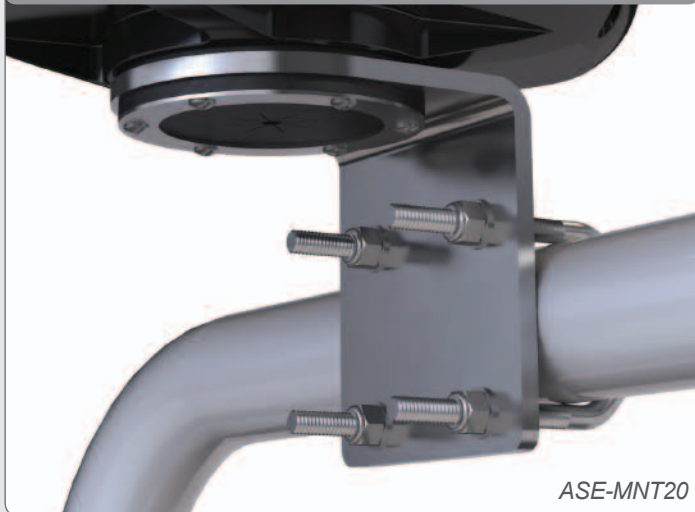
- MEETS OR EXCEEDS NATO GUIDELINES
- EMERGENCY GPS REPORT FROM SHIP
- REMOTE POLLING (SECURED) FOR POSITION
- REMOTE CONFIGURATION FOR PERIODIC POSITIONING
- GPS POSITION VIEWABLE INSIDE THE CITADEL

A single cable can be securely routed from the hidden ComCenter II unit to the Citadel Safe Room for uncompromised voice and data communications. A corded phone, mounted in a latching wall cabinet is easily installed and offers the capability of adding additional phones. Unique and advanced features allow emergency and/or periodic health reporting options that include GPS coordinates.





Vibration-Dampening Universal Mount



ASE-MNT20

Fits Vertical & horizontal railing between 1" - 2" in diameter, and also flat-face beams.

Vibration-Dampening Pole Mount



ASE-MNT12

Fits Standard 1" NPT Pipe Threads

ASE CITADEL COMCENTER OUTDOOR SOLUTION



COMCENTER II OUTDOOR WITH GPS

Easily mounted and hidden from view. Antenna and transceiver contained together to eliminate normal antenna cabling distance limitations. Includes vibration-dampening universal mount (ASE-MNT20)

ASE MC05G-BLK



COMCENTER II CABLE - 47m (150 feet)

Combines RJ-11, RJ-45, and power in single cable. Includes breakout cable and power adapter.

ASE 12150



WALL MOUNT RJ-11/POTS PHONE IN LATCHING CABINET

Placard inside with dialing/emergency instructions. Includes RJ-11/POTS phone, 15m (50 feet) of 2-wire RJ-11 cable and splitter for additional phones.

ASE CB-PTS

OPTIONAL ACCESSORIES



BATTERY BACK-UP

Uninterrupted Power Supply (UPS) that automatically turns on when power is lost or intentionally shut down. Powers system for 100 hours in standby, 55 hours talk time. MARITIME PURPOSE BUILT inside steel wall mounted case with replaceable 10 year batteries.

ASE CIT-UPS-EXT



CABLE EXTENSIONS

Snap Together Multiple Sections to achieve desired installation distance.

30M Extension (100ft') | 15M Extension (50ft') | 6M Extension (20ft')

ASE 12100
ASE 12050
ASE 12020



VIBRATION-DAMPENING POLE MOUNT BRACKET

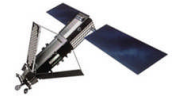
Fits standard 1-inch pipe threads.

ASE MNT12



Where to Buy:
satserv@mackaycomm.com
Tel: 919-850-3100

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Overview

Unpacking

Preparation

Installation

Operation

Warranty

Appendix

SPECIFICATIONS

Interface Cable Lengths (Max)

RJ-11 (Voice)	8,000 feet
Ethernet (Data)	400 feet
Power	400 feet (24-36VDC)

Electrical Specifications

Operating Voltage	12 - 36 VDC
Power Consumption	4 Watts (Idle/Standby)
	9 Watts (Avg Active)
	15 Watts (Peak)

Environmental Specifications

Operating Temp Range	-40°C to +70°C
Exposure	Outdoor per IEC 60945

Mechanical Specifications

Dimensions	11L x 6W x 5H inches
Weight	3.0 lbs
Mounting	Pole or Surface

Internal Iridium Antenna Specifications

Frequency Range	1616 MHz to 1626.5 MHz
Return Loss (Min)	9.5 dB (<2:1 VSWR)
Gain (Weighted Ave. Min)	0.00 dBic
Min Horizon Gain	-2.0 dBic (82° conic avg)
Nominal Impedance	50
Polarization	Right Hand Circular (RHCP)
Basic Pattern	Omnidirectional & Hemispherical

Internal GPS Specifications

Signals Tracked	Tracking L1, C/A Code, AGPS, SBAS, (WAAS, EGNOS)
Frequency	1575.42 MHz
Channels	16
Update Rate	Up to 4 Hz
Report Rate	Configurable
Accuracy	
Horizontal Position	< 2.5 m (1 - Sigma)
	< 2.0 m (SBAS)
Velocity	< 515 m/s
Altitude	10,000 m (33,000 ft) max

Wide Operating Power

The ComCenter II Outdoor operates over a 12 - 36VDC range. However, for power runs greater than 25 feet, 24 - 36VDC is recommended to compensate for any voltage losses due to extended power runs. A 24VDC, 15W power adapter is included with the product.