



For Maritime Satellite Communications



The **ComCenter IIG / Outdoor** is a feature-rich data and voice unit for the Iridium network that saves time and money in materials and installation. There is no longer a need to run multiple cables for voice & data. This all-in-one, all weather unit only requires one cable, so you are up and running in no time.



- Using the Top Voice Quality of Iridium's Satellite Network
- Simple Installation and Setup
- Cable to POTS equipment up to 8000' away
- No Antenna Cabling
- Built-in Diagnostic Tools
- NEW! Built-in Maritime Text Messaging
- NEW! GPS PinPointing
- NEW! Automatic position reporting

Voice Features



POTS Interface for Extended Voice Links

ASE 'SmartDial'

Supports Pre-Paid Scratch & Post-Paid Captain's Cards

Pre-assigned PIN(s) to protect Post-Paid usage

Data Features



Data Connectivity using Ethernet Infrastructure

IP Setup Utilities simplifies Installation

Real-Time & Historical Diagnostic Logs

Data features like Internet usage, GPS Position Reporting, and Text Messaging might incur additional service charges. Work with your Iridium Service Provider to determine the best plan for you.

Text Messaging



Exclusive ASE SatChat Text Messaging

Color-Coded Incoming and Outgoing Messaging

'Single-Click' GPS position embedding

GPS Pinpointing



Coordinates to text message recipients in real time.

Position Information automatically sent to email account

Requires no additional GPS tracking or mapping fees



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ComCenter IIG / Outdoor Overview

ASE is an Iridium Value-Added Manufacturer that is widely hailed for its quality workmanship. We back our products with engineer-direct support and a 2 year warranty against defects in workmanship.

What is in the Box

- A ComCenter IIG / Outdoor Unit
- B Communications Cable
- C Universal Wallplate
- D AC/DC Power Transformer (Country Specific)
- E Pole Mount Adapter & Hardware
- F Installation CD
- G Quick Start Guide
- * 20 Foot Interface Cable with cable to connector breakout (RJ-11, RJ-45, Power)

* Item not shown in Illustration

Optional 50 to 100 foot extensions allow up to 400 foot lengths



ComCenter IIG / Outdoor 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 [pending]

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