

For Land-Based Satellite Communications

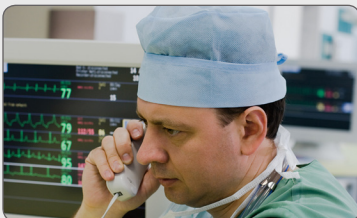


The **ComCenter II / Outdoor** is a feature-rich data and voice unit for the Iridium network that saves time and money in materials and installation. There is no longer a need to run multiple cables for voice & data. This all-in-one, all weather unit only requires one cable, so you are up and running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

Voice Features



POTS Interface for Extended Voice Links
 ASE 'SmartDial'
 Supports Pre-Paid Scratch & Post-Paid Manager'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 and Text Messaging might incur additional service charges. Work with your Iridium Service Provider to determine the best plan for you.

Text Messaging

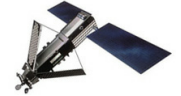


Exclusive ASE SatChat Text Messaging
 Color-Coded Incoming and Outgoing Messaging
 Automatic System Status Messaging

Iridium Network



Truly-Global and Mobile satellite voice and data network without the limitations of terrestrial-based infrastructure
 Delivers Critical link over Air, Land, and Sea
 More Satellites than any other commercial constellation



ComCenter II / 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 II / 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 II / Outdoor Specifications

Interface Cable Lengths (Max)

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

Mechanical Specifications

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

Electrical Specifications

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

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

Environmental Specifications

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