

# ComCenter

Connect your satellite communications solutions  
at a single point!

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.

## Features and Equipment

**RJ11 Connect.** Connects to an analog phone (single or PBX) including multi-handset wireless phones. Use of a cordless phone with expandable handsets can provide up to eight units within a two-mile range (unobstructed) from the base station.

**Web Connect.** Remote configuration and management using Ontec Web Services provides unparalleled enterprise-wide communication and data management services.

**Hands-Free Connect.** Headset/microphone jack offers audio enhancement circuitry to provide excellent quality.

**Data Port Connect.** RS232 port for data connections including Internet connection with the Apollo Emulator.

## Advanced Features

**Employee/Crew Call Logging.** Configurable to require a pre-assigned 5-digit ID code to activate calls. Automatic logging avoids the need for calling cards.

**Remote Access and Configuration.** Access to usage logs and configuration via Ontec Web Services.

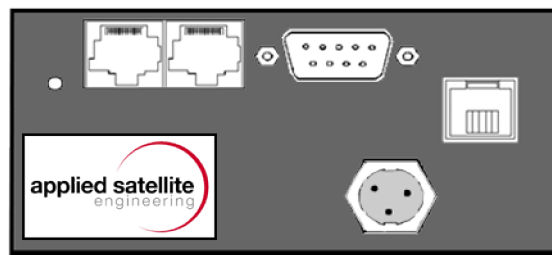
**"Smart Dialing."** ComCenter knows the correct format for the country that is being dialed and places the call once the number is entered.

**Smart Dialing** eliminates the superfluous "00" IDD code (no more international dialing sequence).

**Clear Controls, Simple Operation.** ComCenter has a high-visibility graphical display for setup, troubleshooting, programming, and operation.

**Base Station Ringer.** Audible ringing to alert of incoming calls.

**Versatile Power Input.** 10" 32VDC input range supports power systems on most vehicles and vessels. An optional power adapter (ISU-VADAC) allows 100" 240VAC, 47" 63 Hz operation.



### Port Configuration

- RJ11 Analog Phone Jack
- RJ45 Jack (for switch inputs and external I/O)
- RJ45 DSC Bus (for handset/SIM reader)
- 2.5mm Headset Jack
- DB9 Data Port
- DC Inlet Jack

## ComCenter Interface Ports

Port	Function
RJ11 SLIC	Analog phone, PBX interface
DB-9 Data	RS-232C computer interface
2.5 mm Audio Jack	Hands-free headset operation
RJ45 DPL Bus	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" 32VDC unregulated
Power Consumption	12 watts maximum

## Environmental Specifications

Parameter	Value
Operating Temperature Range	" 15•C to +70•C
Exposure	Dry, protected location per IEC 60945

## Mechanical Specifications

Parameter	Value
Dimensions	10.75 x 4.5 x 2.65 inches (LxWxH)
Weight	4.0 lbs
Mounting	Flange mount

## Iridium Antenna Specifications

Parameter	Value
Operating Temperature Range (without loss of function)	" 40•C to +85•C
Measurement Frequency Range	1616 MHz to 1626.5 MHz
Return Loss (minimum)	9.5 dB (< 2:1 VSWR)
Gain (weighted average minimum)	0.0 dBic
Minimum "Horizon" Gain	" 2.0 dBic (82 degree conic average)
Nominal Impedance	50 ohms
Polarization	Right Hand Circular (RHCP)
Basic Pattern	Omnidirectional and Hemispherical

Note: The antenna cable must ensure a loss of < 3 dB and the minimum link margin of 12.1 dB must be maintained.