

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.

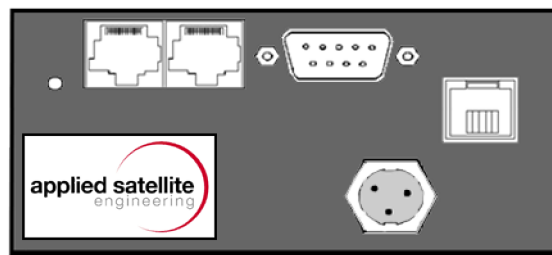
"Smart Dialing." ComCenter knows the correct format for the country that is being dialed and places the call once the number is entered.

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.