

9505/9505A Docking Station

Don't leave your Iridium connection outside!

Applied Satellite Engineering, a leader in the satellite communication business, has introduced a solution for using your 9505/9505A Iridium satellite phone indoors and outdoors. Just dock your Iridium phone in our unit and you can use satellite communications with standard analog phone sets or your company's PBX system. When you need to leave the office, just undock your handset and take it with you. Never be out of touch again!

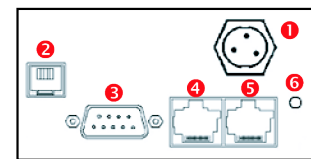
Features and Equipment

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

Advanced Features

- **"Smart Dialing."** The Docking Station 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).
- **Simple Operation.** The Docking Station combines clear LED status lights with the Iridium handset's 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.
- **Antenna Options.** Can be used with many antennas, including fixed-mast, mobile fixed-mount, and mobile magnetic-mount models.

Docking Station Ports



- 1 Power input jack
- 2 RJ11 analog phone/PBX interface
- 3 DB-9 female RS-232C interface
- 4 RJ45 DPL bus for digital handset
- 5 Reserved
- 6 2.5mm audio jack for hands-free headset



* Support for Ontec Web Services must be factory-configured at time of purchase. Additional data service fees will be incurred and billed by your service provider.

9505A Docking Station 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	9.5 x 5.2 x 4.0 inches (LxWxH)
Weight	1.4 lbs
Mounting	Standard Bell wall mount with additional secure anchors

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
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.