

RIS ORBISAT100

The RIS Orbisat100 System is a new Dual GPRS/ORBCOMM Satellite tracking and communications unit, designed for asset tracking, monitoring and protection as well as remote communications capability. By utilizing a dual SIM card GPRS network infrastructure combined with the Stellar DS100 Satellite modem, the RIS Orbisat100 can optimize and reduce network communications costs without sacrificing performance and geographic coverage.

This product introduction represents a breakthrough in the ability to deploy large scale, cost effective logistics and protection solutions. No other integrated commercial Hybrid solution is available with this level of performance.

Remote Intelligence Systems (RIS) provides global hardware and internet based services and solutions for the logistics, asset monitoring, communications, security and defense industries. The RIS platform is the ideal system for routine logistics while our expertise enables us to leverage the flexibility of the RIS platform to solve the most demanding communications and security challenges.



RIS Orbisat100 – Compact size, easy installation, configuration and set-up. Standard systems exist for common applications and custom configurations are available to meet specific challenges.

I/O and Power Specifications

<p>Maximum Power Supply: 30V Power Consumption : Main Unit: 30mA GSM Modem : 20mA GPS: 30mA Orbcomm DS100 modem: Standby: 70mA Transmit: 1.88A (Pulsed) Temperature: (Deg C) Storage: -20° to +80° Operation: -20° to +55°</p>	<p>Inputs: Input 0 Input 1 Input 2 Input 3 Input 4 Outputs: Out 0 Out 1 Power Connections: Auxiliary Battery Main Power</p>
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Keeping you connected

General Specifications

<p><u>GSM Modem</u></p> <p>Frequency bands: Quad-band: GSM 850, EGSM 900, DCS 1800, PCS 1900.</p> <p>Compliant to GSM Phase 2/2+ GSM class Small MS</p> <p>Transmit power: Class 4 (2W) at EGSM900 and GSM850 Class 1 (1W) at DCS1800 and PCS 1900</p> <p>GPRS connectivity: GPRS multi-slot class 10 GPRS mobile station class B GPRS data downlink transfer: max. 85.6 kbps GPRS data uplink transfer: max. 42.8 kbps</p> <p>Coding scheme: CS-1, CS-2, CS-3 and CS-4 SMS MT, MO, CB, Text mode Supports transmission of SMS alternatively over GPRS.</p>	<p><u>Orbcomm Modem</u></p> <p>Transmit Frequency: 148 to 150.05 MHz</p> <p>Transmit Power: 5 Watts</p> <p>Receive Frequency: 137 to 138 MHz</p> <p>Dynamic Range: 40 dB minimum</p> <p>Sensitivity: Minimum BER: E-5 @ -118 dBm Typical BER: E-5 @ -120 dBm</p> <p>ORBCOMM REPORTS Orbcomm Position Report (6 bytes) Proprietary Report (12 bytes) Normal Report (70 bytes) Extended Report (100 bytes)</p> <p>GPS The GPS 12 channel receiver with patch antenna incorporated in the same unit of reduced size (40x30x12mm) and increased sensitivity (-153dbm). The unit comes with a PS2 connector and 3 meters of cable for connection with the Main Unit.</p>
<p>Product Dimensions: Length: 14.50 cm / 5.75 in. Width: 12.00 cm / 4.75 in. Height: 3.90 cm / 1.50 in</p>	

RIS Orbisat100



The RIS Orbisat100 is both ORBCOMM certified and the SIM340 modem PCRTB approved.

The RIS Orbisat100 carries up to (2) cell-phone sim-cards as well as an Orbcomm Satellite communications modem, giving it (3) means of communication. The unit seeks a local cell connection first, then a roaming cell phone connection. If no cell phone coverage is detected the unit automatically connects via the Orbcomm network which provides near-real time global coverage. This layered communication protocol ensures maximum communications coverage at lowest operating cost.

DOUBLE SIM-CARD GPRS COVERAGE

The RIS ORBISAT100 sim-cards are the same cards used in your cell-phone and are available from the major cell-phone service providers using GPRS protocols.



Obtain 1 or 2 cell-phone sim-cards from your existing cell phone service provider or from providers within the service areas the unit will operate in.

SIM-CARD EASY INSTALLATION



By removing 4 allen-head screws the (2) sim-card ports are easily accessible. Install the sim-cards of your choice and accounts with cell-phone providers are easy to initiate and manage. RIS is your source for Orbcomm Satellite Communications access and many cost-effective plans are available.



Keeping you connected

Remote Intelligence Systems specializes in providing solutions to regions of the world where asset protection (oil infrastructure, bridges) mobile asset protection and communication (trucking fleets, heavy equipment and transportation systems) and chain of custody issues (cargo container security, barge tracking) are vital. **Remote Intelligence Systems** is a proud member of the International Cargo Security Council and the American Society for Quality.

Contact Info

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