

## SATELLITE MODEM: A3LA-RG

### Key Features

- Low-cost
- Small form-factor
- Capable of SBD, SMS, data switch, RUDICS and voice.
- AES-256 bit encryption
- Built-in GPS receiver
- RS-232 interface
- Functionally is the same as the 9522B
- ~60% smaller in volume than the 9522B
- ~50% lighter than the 9522B
- A3LA-RG-MIL is certified to MIL-STD-810G standards and IP67 rating

### Description

The A3LA-RG is an A3LA-RM with an internal GPS receiver. It allows SBD, SMS, data switch and RUDICS connectivity to the Iridium network. With a connected DPL handset, the A3LA-RG can place voice calls. It can encrypt data with AES-256 bit. It can also monitor network status to prevent lock-up.



### A3LA-RM Specifications

#### Mechanical

Dimensions:	4.0" x 2.43" x 0.95" (102 mm x 61 mm x 24 mm)
Weight:	7.1 ounces (201 g)
Data/Power Interface:	25-Pin D-Sub
Antenna Interface:	TNC female connector for Iridium, SMA female connector for GPS
Enclosure:	Hard-anodized aluminum (EMI/EMC shielded)

#### Electrical

Input Voltage Range:	4.0V to 5.4V or 5.0V to 32V
Nominal Input:	5VDC
Idle Power:	175mA @ 5V
Transmitted Power:	420mA @ 5V

#### RF Boards

Iridium Transceiver:	Iridium 9523
GPS Receiver:	u-blox MAX-6Q

#### Environmental

Operating Temperature:	-22°F to +158°F (-30°C to +70°C)
Operating Humidity:	< 75% RH



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