

## NAL 9603-3G IRIDIUM® / GSM / 3G TRACKER

### DEVICE FEATURES

- ✓ Pocket-size, low-cost tracker
- ✓ Low power consumption
- ✓ Iridium and cellular connection
- ✓ Standby current of less than 65µA
- ✓ Internal motion sensor
- ✓ GPS Sensitivity of -160dBm
- ✓ AES-256 bit encryption
- ✓ Guarded emergency switch
- ✓ Programmed for either Commercial or DoD gateway
- ✓ Supports NAL Research and PECOS formats
- ✓ Onboard geofencing with ability to load various shapes
- ✓ Compatible Airtime Service(s): SBD



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The 9603-3G is a pocket-sized, low-cost, low-power, dual communication network (Iridium/Cellular) tracking device. It is a 9602-LP tracker with an added cellular chip. It is designed to relay GPS and other critical data via the Iridium satellite network and/or any 3G/4G/LTE cellular network. It has a rugged hard-anodized aluminum housing that also acts to minimize EMI. This device can easily be attached to high value, untethered or non-powered assets.

### Specifications

#### Mechanical

|                       |   |
|-----------------------|---|
| Dimensions:           | 2.00" L x 3.95" W x 0.99" D (51 mm x 100 mm x 25mm) |
| Weight:               | ~6.2 ounces (177 grams)                             |
| Data/Power Interface: | 20-pin circular                                     |
| Antenna Interface:    | SMA female connectors                               |
| Enclosure:            | Hard-Anodized Aluminum (EMI Shielded)               |

#### Electrical

|                        |                                     |
|------------------------|-------------------------------------|
| Input Voltage Range:   | 4.0VDC to 5.3VDC or 6.0VDC to 32VDC |
| Input Nominal Voltage: | 5.0VDC                              |
| Power Consumption:     | < 65µA between reports @ 5.0VDC     |
| Transmission Mode:     | 1.12mA-Hr per report                |

#### RF Boards

|                      |                            |
|----------------------|----------------------------|
| Iridium Transceiver: | Iridium 9603               |
| Cellular:            | u-blox LISA, SARA, or TOBY |
| GPS Receiver:        | u-blox NEO-6Q              |

#### Environmental

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

