



PIERCE  
AEROSPACE

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**B1**

The Original Remote ID Solution



## B1 – Remote ID Beacon

### Features:

- Built from Military Heritage
- High Performance Local Broadcast
- Meets and Exceeds ASTM Standards
- 2+ km Range
- 8 hr Runtime per Charge
- Designed and assembled in the USA

**PIERCE AEROSPACE INC**

[info@pierceaerospace.net](mailto:info@pierceaerospace.net)

Indiana IoT Lab

9059 Technology Lane Fishers, IN 46038

[www.pierceaerospace.net](http://www.pierceaerospace.net)

# SPECIFICATIONS



## Mechanical Specifications:

|                       |                         |
|-----------------------|-------------------------|
| Dimensions (LWD)      | 73mm x 24mm x 19mm      |
| Weight                | 29g                     |
| Mounting              | Two Cable Tie Slots     |
| Connector             | USB-C                   |
| Operating Temperature | -20°C to +50°C          |
| Storage Temperature   | 10°C to +45°C           |
| Operating Humidity    | 0% - 95% non-condensing |
| Storage Humidity      | 0% - 70% non-condensing |

## Electrical Specifications:

|                       |                 |
|-----------------------|-----------------|
| Input Voltage Rating  | 3.75V - 6.00V   |
| Input Amperage Rating | 225mA max       |
| Input Wattage Rating  | 843mW max       |
| Battery Type          | Lithium Polymer |
| Battery Capacity      | 400mAh          |
| Battery Endurance     | 8hr*            |
| Charge Time           | 4hr             |

*\*Dependent on environmental conditions. Indefinite run-time when integrated with UAS onboard power.*

## Radio Specifications:

|                                                        |                  |
|--------------------------------------------------------|------------------|
| Antenna Type                                           | PCB Antenna      |
| Frequency                                              | 2400-2480MHz     |
| Radiation Pattern                                      | Omnidirectional  |
| Max Output Power                                       | +18dBm conducted |
| <i>Operational output power within FCC/ISED limits</i> |                  |

## Certifications:

FAA DOC: <https://uasdoc.faa.gov/listDocs/RID000000317>  
Contains FCC ID: SQGBL654PA

