



Demanding More from Wireless Sensing



MODEL

**EV3-LPT**

#### DESCRIPTION

### License Plate Transponder

---

In addition to this License Plate Transponder representing one of the more cost sensitive devices in the network, it is also paramount to note that our greater than 6 year battery lifetime is a significant improvement over other comparable products. By lasting longer in the network before replacement is needed, this improved power consumption directly enhances the ROI and overall cost of the supply-chain monitoring system.

---

With the EV3 family of products, it has never been easier and more cost-effective to dramatically increase visibility of assets in-transit through a complex supply-chain, monitor security breaches, and provide a more reliable and timely supply network.

The EV3-Series of hardware products is designed to provide dramatically improved functionality at a much more attractive price point than was attainable by previous conventional Active RFID design approaches. With the judicious use of Integrated Sensor and ASIC technologies, improved sensing and other value-added capabilities have been included across the family of products, while still improving the size, power consumption, and end-user cost of our hardware products. Consequently, any supply-chain management network built on these devices will enjoy an improved ROI along with significantly enhanced functionality, visibility, and security control. Additionally, products in the EV3 family are fully compliant and interoperable within the ISO 18000-7 standard and DoD RFID Equipment Guidelines.



| Model                 | License Plate Transponder EV3-LPT   |
|-----------------------|---|
| RFID Protocols        | ISO 18000-7:2008 + DoD 18000-7<br>RFID equipment guidelines   |
| Frequency             | 433.92 MHz  |
| Power                 | A' size 3.6 V primary lithium (Li-SOCl <sub>2</sub> ),<br>user replaceable                                  |
| Battery Life          | > 6 years at 2 collections/day  |
| Antenna               | Omni-directional internal   |
| Range                 | 350 feet unobstructed   |
| Weight                | 4.5 oz (127g)   |
| Dimensions            | 6.5" L x 2.37" W x 1.42" H<br>16.26 cm x 5.52 cm x 3.61 cm  |
| Operating Temperature | -30 C to +70 C  |
| Storage Temperature   | -40 C to +70 C  |
| Dust and Moisture     | IP 64   |
| Beeper                | Audible beeper for tag location   |
| Memory                | 256 bytes   |
| Compliance            | FCC Part 15.240 and Part 15.231<br>IC certified RSS-210<br>HERO no restrictions<br>EMI safe on any aircraft |
| Low Battery Indicator | From interrogator   |

**evigia** Demanding More from Wireless Sensing  
 3810 Varsity Dr.  
 Ann Arbor MI 48108

Call us at (734) 302-1140  
 Visit us on the web at [www.evigia.com](http://www.evigia.com)  
 Email us at [info@evigia.com](mailto:info@evigia.com)

### About Evigia

Evigia is the industry leader in utilizing integrated sensor and ASIC technologies to dramatically improve the functionality and cost of Active RFID hardware products. These advances allow significant improvement in the performance and cost of asset-management supply chains. The network's functionality, visibility, and security control are dramatically increased, while the underlying hardware products themselves benefit from smaller size, lower power consumption, and lower cost with our solution approach. The EV3-Series family of products are fully compliant and interoperable within the ISO 18000-7 standard. Let us show you how Evigia's solutions can improve your supply chain networks.