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.

DESCRIPTION

Container Security Transponder

In addition to the more conventional transponder capabilities, this Container Security Transponder includes the additional sensory functions of humidity, temperature, light & breach, and shock. Coupled with its innovative mounting capability onto shipping containers, a highly secured shipping network can be established with low additional overhead costs.

MODEL

EV3-CST
### 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.

### Model | Container Security Transponder EV3-CST
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**RFID Protocol** | ISO 18000-7:2008 + DoD 18000-7 RFID equipment guidelines
**Frequency** | 433.92 MHz
**Range** | 350 feet unobstructed when mounted to a container
**Antenna** | Omni-directional internal
**Power** | AA size 3.6 V primary lithium (Li-SOCl2), user replaceable
**Battery life** | > 4.5 years with 2 collections/day, temp/humidity 1 sample/min, light & breach 30 samples/min, shock event triggered;
**Hardwired Communications** | USB (mini port)
**Weight** | 19.2 oz (544.3 g)
**Dimensions inch (mm)** | 4.75" x 4.75" x 7.5"
12.1 cm x 12.1 cm x 19.1 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** | 512 kbytes, user configurable between data and sensor data, where either can be from 0-512 kbytes
**Sensors** | Scan rate: user programmable: 2 Sec-60 min
User defineable alarm thresholds
Temperature: range: -30 to 70 C, resolution 0.5 C
Humidity: range: 0%-100% RH, resolution: 0.5% RH
Shock event (up to 250g)
Light & breach sensors
**Compliance** | FCC Part 15.240 and Part 15.231
IC certified RSS-210, HERO no restrictions
EMI safe on any aircraft
**Low-Battery Indicator** | From interrogator