

ALR-2850 DEVC



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RFID DEVELOPMENT KIT FOR THE BATTERY ASSISTED PASSIVE SYSTEM



Alien's ALR-2850-DEVC RFID development kit provides an affordable, easy to use way to test system performance in your applications and facilities.

The system includes all the components you need to create a fully functional RFID solution simply by connecting with your own PC or network. Within minutes you can be ready to test applications and configurations.

Use the software's library of graphic images and sounds, or add your own to perform demonstrations for your organization or customers and explore the many ways you can deploy long range RFID solutions across your enterprise.

REQUIREMENTS:

- PC running Windows 98 or higher, with CD-ROM drive and one available RS-232 port (cable supplied) and/or Ethernet network connection (cable not included)
- Standard grounded 100-200 VAC power

DEVELOPMENT KIT INCLUDES:

2.45GHz Battery Assisted Passive Development Kit Contents

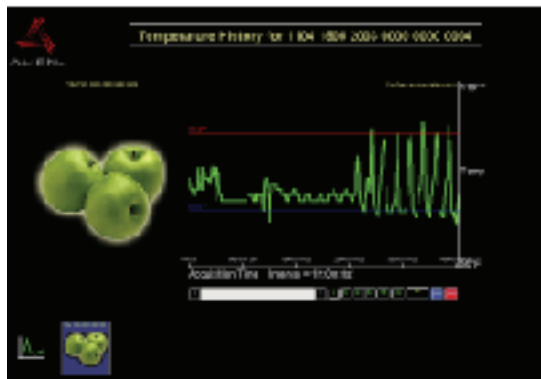
Kit Component	Qty per Kit
Reader/Writer	1
Users Guide/Manual	1
Universal Power Supply & Cord	1
Standard Battery Tags	6
Manifest Battery Tags	2
Temperature Monitoring Battery Tags	2
RS-232 Cable	1
S/W Development CD	1
Circular Polarized Antenna	2
TCP/IP Connectivity	1
Demo Enclosure	1

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BATTERY ASSISTED PASSIVE RFID DEVELOPMENT KIT

Alien Technology's long-range, high performance battery assisted passive system fills the gap between short-range passive systems and high-cost active RFID systems. Battery assisted passive RFID technology extends the range over which a tag can be read by providing the tag with its own battery power source. With a range of up to 30 meters, this technology is ideal for applications such as:

- Long range identification
- Sensor monitoring
- Immobilizer
- Vehicle-asset tracking
- Supply chain automation
- Tamper detection
- Security/ access systems
- Time temperature monitoring
- Access control
- Passive tag data storage for hierarchical asset tracking systems



Temperature Logging Application Example

LARGE MEMORY CAPACITY

Equipped with a small battery, battery-powered backscatter tags can store 4 Kbytes of data, including locally acquired sensor data. In one available configuration, the system can monitor and record temperatures at user-defined time intervals. With this system, tags can be applied to temperature-sensitive products at production or shipment, and the temperature history of the product can be downloaded wirelessly at the final destination or at any point along the way. Because it still uses the low power backscatter technology, a small battery will provide many years of operation.

This read/write device has a rich command set allowing for flexibility in memory allocation, I/O allocation, and stand-alone data logging options.

FEATURES:

- Small size
- Read/Write range reliable up to 30 meters
- Ultra low quiescent current for long battery life
- Microcontroller based for easy custom applications
- I²C bus for easy implementation of additional functionality

