



When you need accurate,  
real-time location and automatic  
identification information



# AssetActive™ Management and Accountability Solutions

Locate and protect critical  
assets in **real-time**.

Every second and every penny matters in today's challenging business climate. Whether you are concerned with tracking inventory, managing mobile assets or safeguarding personnel in an emergency situation, timely, accurate information is key. With increased competition and escalating security concerns, how can your enterprise excel? Would having the ability to immediately identify valuable assets and pinpoint their exact location help? Would it streamline operations and increase efficiency? Would it speed up response in an emergency or crisis situation? If so, then you need AssetActive™.

The AssetActive system teams wireless communications, sensors, telemetry and long-range active Radio Frequency Identification (RFID) with industry-standard passive RFID technology to create a more integrated and affordable approach to asset management. Asset data can be accessed, stored and forwarded providing enhanced visibility. A cost-effective solution emerges to enable operational savings, accountability and security by immediately identifying and protecting valuable assets and human resources.

The AssetActive RFID system includes:

- Reader/Receiver
- Tag
- AssetActive Server

Networked RFID Readers interpret active and passive tag data while calculating relative position from active tags based on Received Signal Strength Indicator (RSSI) values. The ZerOin Reader can be battery-powered to allow mobile transactions with the tags.

The reader/receiver handles the communication between the network and the associated software. In a typical installation there are several readers that each define a Zone. Readers are connected to a computer running the AssetActive Server software via a standard Ethernet Hub or via a proprietary or standard wireless access point such as WiFi (802.11) or Zigbee (802.15.4) in a wireless environment.

Consisting of a microprocessor, transceiver, antenna and associated circuitry mounted onboard the active ZerOin RFID tag operates in the UHF frequency range. Tags function according to the requirements of the system, including read range and the physical environment.

The Server combines software and hardware to collect data from multiple ZerOin Readers/Receivers. It adds ge-positioning information, handles error checking and enables data validation and storage.





## Features and Specifications

### Reader Features and Specifications

- Compact size (approximately 80 x 40 x 15 mm)
- Lightweight
- Battery backup power supply
- Secure transmission of data packets
- Built-in sensor interface capability
- Fully programmable for multifunctional operability
- Affordable

### Tag Features and Specifications

- Small, lightweight package
- Long battery life
- Sleep mode to conserve battery
- Remote activation capability
- Secure data transmission
- Controllable transmission power

### Applications

Increase accountability, productivity and reduce cost by locating, identifying, securing, and protecting personnel and other valuable assets with AssetActive.

### Military

- Training
- Asset tracking and management

### Cargo Security

- Container tracking to improve logistics, avert tampering and secure ports

### Medical

- Supply tracking in hospitals and health clinics allows immediate access to life-saving equipment

### Hazardous Materials

- Visibility of hazardous materials and their tracks during storage and transportation

### Public, Plant and Corporate Safety

- Asset management and safety during emergency situations including evacuations
- Guard tours and security operations in areas with hazardous or sensitive materials

### For additional information please contact:

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