



New RFID tag for asset management from Electro-Com

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AXCESS International, a leading provider of Dual Active Radio Frequency Identification (RFID) and Real Time Location Systems (RTLS) solutions today introduced a new, smaller wireless RFID tag designed to automatically track and protect enterprise assets.

The tag form factor is the small battery powered “active” RFID tag currently available, with the capability of being automatically identified and located at doorways and other control points without human intervention.

The new tag is unique in that it has been designed with the ability of attaching to even the difficult to read metal-laden objects, such as laptops and other computer equipment.

The addition of the product to AXCESS’s broad portfolio of tags means that every item in the enterprise can now be tracked with small low cost tags, providing efficiency across a business.

The small tag is expected to speed the market acceptance of RFID in the tagging of enterprise assets where small form factors and reliable tag reads are mandated by customers.

“The real ROI in asset management comes from being able to reliably and automatically tag items to identify, locate, track and protect them on-demand and in real time,” said Allan Griebenow, president and CEO of AXCESS.

“Many systems tag large and wireless friendly objects but that as a stand alone solution is not enough. With AXCESS’s proprietary RFID technology it becomes possible to tag any item in the enterprise, which can be read automatically and with certainty.”

The tag available from Electro-Com is based on AXCESS’s robust ActiveTag system which is unique in its ability to reliably and automatically read RFID tags attached to many kinds of assets that are often difficult for RFID systems to read.

RF signals are absorbed and altered by metal objects and water, which makes reliable reading difficult unless specifically engineered. The patented AXCESS system uses a low RF frequency band to wake up the sleeping tags, then sends their tag ID’s and their location using a highly robust frequency over long range, called “Dual-Active” operation.

Waking up tags as specific locations is a unique aspect of the systems “Control Point” architecture where these points define zones throughout the enterprise.

An asset’s location is precisely identified and the asset is tracked throughout the zones, which can be customised in size from a single room to an area of an open warehouse.

For location determination, the control point architecture has been proven to be more reliably and accurate and cost effective than signal measurement approaches.

AXCESS's patented ActiveTag RFID / RTLS and sensing systems use small, battery powered tags (generically called "Dual-Active" tags) that when automatically activated, transmit a wireless message typically 30 to 100 feet to hidden palm size receivers.

The receivers are connected via standard network simultaneously to the enterprise system software, the existing security alarm equipment, and stand alone middleware and end-user software provided by AXCESS under the OnlineSupervisor label.

The systems are used for a variety of enterprise productivity applications including automatic personnel access control and tracking, automatic vehicle access control and payload management, automatic asset management and protection, as well as special purpose sensing.

Automatic exception-based email alerting and paging is offered for rapid response to security related incidents.