

SOURCE: RFID Sensor Systems

April 19, 2011 08:30 ET

RFID Sensor Systems Introduces High-Performance EPC Gen 2 Passive Metal-Mount Tag

Low Power, Extended Range RFID Tag Utilizes Ramtron MaxArias 16kb User Memory

NEWARK, NJ--(Marketwire - Apr 19, 2011) - RFID Sensor Systems, an OEM manufacturer of custom high-performance RFID tags, today announced it has added the ST070-016 fully passive RF-enabled transponder to its family of UHF EPCglobal Class-1 Generation-2 tags for the world market operating over the 860 to 960 MHz spectrum. The ST070-016 tag operates at a range of 40 feet on metal mountings with standard North American readers. The ST070-016 tag offers 16-kilobits of user memory and nearly equal read/write range capability, making it ideal for tollway vehicle monitoring and applications that benefit from supply chain efficiency, such as manufacturing item-level tracking. In addition, the ST070-016 tag is well suited for military applications and harsh environments with high temperature and moderate gamma radiation.

The ST070-016 tag uses the RFID Sensor System Long Ranger™ miniature antenna technology coupled with ultra low power Ramtron MaxArias™ Wireless Memory to achieve industry-leading read/write range with a large memory capacity. Ramtron's F-RAM memory provides high endurance, low power, and excellent gamma radiation stability, as compared with the EEPROM-based technology available in current industry Gen 2 tags.

"RFID Sensor Systems has combined our extensive micro-power circuit and antenna design expertise with deep knowledge of component manufacturing to produce maximum range, fully passive tags with custom Gen 2 memory chips," said William Carr, CEO and founder of RFID Sensor Systems. "We are delighted with our latest breakthrough design incorporating Ramtron's MaxArias Wireless Memory. We are seeking partnerships with system integrators to customize tags for specific applications including unique environmental and high temperature requirements."

The ST070-016 RFID Sensor tag is the latest product within RFID Sensor Systems' family of extended-range RFID Ranger tags using patent-pending miniature antenna technology that enables a small transponder footprint and a highly efficient extraction of RF energy.

The ST070-016 tag is available for immediate volume delivery with standard screw mounting and optional magnetic Velcro™ backing. Volume pricing begins at \$7.95 USD per tag.

About RFID Sensor Systems

RFID Sensor Systems is an OEM manufacturer of custom high performance RFID tags. The company, headquartered in New Jersey, manufactures RFID tags and small systems primarily for strategic industry and defense sector partners. RFID Sensor Systems has been developing micro-power RFID tags including state-of-the-art MEMS sensor technology for 14 years. For further information, contact RFID Sensor Systems: sales@RFIDSensorSystems.com

About Ramtron

Ramtron International Corporation (NASDAQ: [RMTR](#)), headquartered in Colorado Springs, Colorado, is a fabless semiconductor company that designs, develops and markets specialized semiconductor memory, microcontroller and integrated semiconductor solutions used in a wide range of product applications and markets. Visit www.ramtron.com. For general information on F-RAM products, contact framinfo@ramtron.com. For wireless memory/RFID, contact maxarias@ramtron.com.