TEXAS INSTRUMENTS

RFID eNEWS

TI-RFid Systems Introduces DST+ (Digital Signature Transponder Plus) The Next Generation of Secure Transponders for Automotive Anti-Theft Applications

TI-RFid Systems introduced its next generation of secure RFID transponders for automotive anti-theft immobilizer applications, called DST+ (Digital Signature Transponder Plus). Embedded into vehicle keys, the new radio frequency ID transponders provide additional levels of automotive vehicle security using sophisticated fraud prevention diagnostic information and a mutual authentication encryption algorithm.

DST+ transponder technology addresses the growing issue of insurance fraud by storing the vehicle's anti-theft information on all of the keys assigned to a vehicle. Insurers might suspect fraud when the owner reports a vehicle stolen, and the owner claims to have all of the keys associated with the vehicle (the original, plus any copies), when in fact they have duplicated a key and have given it to a complicit thief. Currently, there is no way to authenticate the keys to the vehicle unless the vehicle is available, or if the manufacturer has created a database.

Using the new DST+ transponder, car manufacturers can store the VIN (Vehicle Identification Number) along with data such as a time stamp of when each key was made or when new keys are added to the system, the number of times new keys were programmed and the total number of unique keys made for the vehicle. Storing this type of information on every key gives insurance investigators new

information to question the validity of a stolen car claim.

TI's DST+ transponders are compatible with its DST immobilizer, the high security, anti-theft transponder that uses challenge/response encryption and mutual authentication. The DST+ transponders are also compatible with the next generation of passive entry systems. The product family includes DST and DST+ encryption transponders and reader products, the 3D Analog Front-End RF chip and all-in-one single RF chip controllers including the transponder, remote keyless entry and passive entry functionality for passive entry applications.

Engineering design samples of TI's DST+ transponders will be available in August 2002. Full production begins in Q4 2002.

Stop & Shop Supermarket Company to Test ExxonMobil Speedpass

ExxonMobil Corporation announced that Ahold USA Inc.'s Stop & Shop supermarkets will test its Speedpass payment system beginning this fall.

Stop & Shop will be the first retailer to test a new Speedpass feature that lets retailers operate their own loyalty programs within the Speedpass system. With the loyalty function, customers can instantly pay for purchases and get Stop & Shop rewards and discounts without having to use the supermarket's separate keyfob or loyalty card.

There are currently more than 5.5 million Speedpass customers who use the wands

at more than 7,300 Exxon and Mobil stations in the U.S.

Stop & Shop Supermarket Co is based in Quincy, Mass., operates more than 300 stores in the Northeast U.S. It is a wholly owned subsidiary of Netherlands-based Royal Ahold NV, one of the world's largest food retailers with about 9,000 stores in two dozen countries.

The tests will begin at three Stop & Shop supermarkets in October with a full rollout in Massachusetts to follow later, according to an ExxonMobil spokesperson.

RFID-net Consortium Integrates TI-RFid Systems Throughout Europe

RFID-net Business Solutions B.V. is the newest addition to the network of RFID systems integrators supporting TI-RFid Systems' low frequency and high frequency solutions. The company specializes in providing wired and wireless RFID identification, registration, data collection, and data communication solutions for customers throughout Europe. RFID-net develops and implements complex RFID systems for the following applications: production and manufacturing, warehousing and distribution, packaging and transportation, and vehicle and container identification and tracking.

Through a network of European RFID companies, including PHI-Data Benelux (Brussels), Scemtech GmbH (Germany), KTP (UK), Tele Exxi Oyyi (Finland), and DCB (Spain), RFID-net

develops complete RFID solutions consisting of hardware, software, and services, which can be integrated with business support applications such as enterprise resource planning (ERP) and warehouse management systems (WMS). RFID-net offers consultancy services to assist in the development of turnkey RFID solutions and provides implementation specialists, software engineers, and program managers to deploy the system. Additionally, customers benefit from dedicated training and maintenance services to support long-term system operation.

For more information, contact RFID-net Business Solutions at +31 (0) 172 232 932 or Rudolf Renfurm (r.renfurm@12move.nl)

TI-RFid Systems Launches Product Information Center to Provide Technical Support for European Customers

TI-RFid™ Systems announced the launch of its RFID European Product Information Center (EPIC), in Freising, Germany. An extension of Texas Instruments' semiconductor Product Information Centers, support staff at the RFID EPIC are now available to assist customers with technical support questions regarding TI-RFid products and applications. Assistance is available in multiple languages, including English, German, Italian, and Spanish.

The opening of the RFID EPIC demonstrates Texas Instruments' vision and commitment to providing its customers with the highest level of customer care and quality service. Dedicated and fully-trained staff members are available by phone during business

hours Monday through Friday, and can also be reached by fax or email, in all languages. For a complete listing of service hours and regional, multi-lingual phone numbers, please visit http://www.ti.com/rfid/contact.htm

"As the uses and applications of RFID technology continue to grow, we're seeing an increasing need to provide our customers with product and installation information and technical support," said Alan Irby, customer support manager for TI-RFid Systems. "We've built an extensive program in the U.S., and with the launch of these services in Germany, we now provide the same high quality support to our European customers."

Calendar of Events

TI-RFid Systems will participate in the following upcoming shows and conferences:

ISC East
August 14-16, 2002
Orlando, FL

ASIS
September 10-13, 2002
Philadelphia, PA

ScanTech Japan
September 11-13, 2002
Tokyo, Japan

Equipmag
September 16 - 19, 2002
Paris, France

Frontline Solutions USA
September 24-26, 2002
Chicago, IL USA

Editor's Comments

eNEWS will be distributed via email on a frequent basis to keep you abreast of product and business highlights of Texas Instruments Radio Frequency Identification Systems.

I welcome your feedback to: billallen@ti.com.

Rgds, Bill Allen, Editor

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