

New contactless payment terminals using AS3911 reader chip from ams gain EMV certification

NBS Payment Solutions' systems use highly integrated AS3911 chip to read EMV (MasterCard PayPass and Visa payWave) cards

Unterpremstaetten, Austria and Las Vegas, USA (23 April, 2013) - ams AG (SIX: AMS), a leading provider of high performance analog ICs and sensors, announced today at CARTES America (Las Vegas, 23-25 April) that a new range of payment terminals from NBS Payment Solutions containing its AS3911 reader IC have gained EMV certification.

The 510 and 710 series of NOIRE terminals from NBSPS are now approved for the receipt of payments from contactless cards bearing the MasterCard PayPass or Visa payWave symbols.

The AS3911 RFID reader IC in the NBSPS terminals provides the RF and analog front end, reading any contactless payment card meeting EMV requirements. A reference design similar to a state-of-the-art contactless payment system, developed by ams, provides a ready-to-use blueprint for manufacturers wishing to produce a new EMV-certified terminal.

The AS3911 is now being used by a number of terminal manufacturers, including NBSPS, because of its high (1W) differential RF output power and integrated EMV-specific error handling. These features provide for a flexible and streamlined circuit design that requires no external RF booster circuit. This lowers the manufacturer's bill-of-materials cost in comparison to competing reader ICs with lower output power, speeds up the design process, and shortens time to market.

"The RFID card-reading requirements of the new NOIRE payment terminals were perfectly matched by the AS3911 reader IC from ams. The high output power of the AS3911 facilitated EMV certification where competitive alternatives failed. What is more, the exceptional technical support provided by ams made integration of the reader fast and smooth", said Richard Gooderham, Vice-President for Business Development of NBS Payment Solutions.

"NBS Payment Solutions' successful launch of the new NOIRE line of terminals provides proof that using the AS3911 reader IC offers a quick and reliable way to implement an EMV-compliant contactless payment interface", said Mark Dickson, Senior Marketing Manager for RFID/NFC at ams.



ams is exhibiting the Sockeye AS3911 EMV reference design, which includes Level 1 and Level 2 software, at its suite in the Mirage Hotel, Las Vegas during CARTES America. It will also be showing there:

- The NOIRE line of contactless payment terminals from NBSPS
- μ SD and SIM card payment solutions based on the AS3922 RFID reader
- A MoBeam mobile couponing demonstration

To make an appointment to view the demonstrations, visitors should contact Luisa Dineci at ams: luisa.dineci@ams.com

Price & Availability

The AS3911 RFID reader IC is in volume production now. It is priced at \$3.50 for 1,000 pieces.

Technical Support

An EMV reference design board for the AS3911 is available. For further information on the AS3911 or to request samples, please visit www.ams.com/RFID/AS3911

About ams

ams develops and manufactures high performance analog semiconductors that solve its customers' most challenging problems with innovative solutions. ams' products are aimed at applications which require extreme precision, accuracy, dynamic range, sensitivity, and ultra-low power consumption. ams' product range includes sensors, sensor interfaces, power management ICs and wireless ICs for customers in the consumer, industrial, medical, mobile communications and automotive markets.

With headquarters in Austria, ams employs over 1,300 people globally and serves more than 7,800 customers worldwide. ams is the new name of austriamicrosystems, following the 2011 acquisition of optical sensor company TAOS Inc. ams is listed on the SIX Swiss stock exchange (ticker symbol: AMS). More information about ams can be found at www.ams.com

for further information

Media Relations

ams AG
Ulrike Anderwald
Director Marketing Communications
T +43 (0) 3136 500 31200
press@ams.com
www.ams.com

Technical Contact

ams AG
Mark Dickson
Senior Marketing Manager RFID/NFC
T +43 3136 500 31203
mark.dickson@ams.com
www.ams.com