



POP'EM Demokit

General Description

The POP'EM RFID reader supports all EPC gen2 tags, but offers enhanced user experience for the following tags:

EM4124 96b EPC/UII memory, 64b TID memory, low cost passive IC for SGTIN-96 applications

EM4126 208b EPC/UII memory, 32b TID memory, low cost passive IC for SGTIN-96 or SGTIN-198 applications

EM4324 96b EPC/UII memory, 64b TID memory, 720b User memory, passive or BAP IC with tamper detection for enhanced read range or e-seal applications

EM4325 352b EPC/UII memory, 256b TID memory, 3072b User memory, passive or BAP IC with embedded temperature sensor, tamper detection, UTC time stamp, ultra-low power mode to preserve battery life SPI serial interface or 4 GPIO pins for enhanced read range, temperature measurements, e-seal, sensor RF interface or microcontroller RF interface applications

The POP'EM reader and the POP'EM Android App are designed to easily demonstrate the different features of the EPC gen-2 tag ICs being developed by EM Microelectronic. The Android App also embedded an automatic tag detection supporting by default the main UHF chips of the market

Demo Kit Items

- | Arete Pop UHF reader dongle for Smartphone
- | POP'EM Android app. An easy to use graphical user interface
- | POP'EM tags containing ICs of the EM UHF RFID product family

Ordering Information

To order, please use the exact part number

Part Number	Description
POP'EM_E+	Demokit UHF 865MHz (Europe version). Reader + Android App + tags
POP'EM_US+	Demokit UHF 915MHz (US version). Reader + Android App + tags
POP'EM_TAG	Sample bag containing only the EM UHF RFID tags. No UHF reader dongle included. No Android App

POP'EM Tag List

The POP'EM Tag sample bag contains one piece of each the below tag list.

Manufacturer	Product Name	EM IC inside	More info?
Avery Dennison	AD319	EM4124	http://rfid.averydennison.com/en/home.html
C&C	CCU1111-7, CCU1111-7B	EM4124	http://www.candcprinting.com/rfid/eng/
Confidex	D005292, D002357*	EM4324, EM4325	http://www.confidex.com/
LabID	UH601, UH427, UH4411-7, INSKYL7	EM4124, EM4126	http://www.lab-id.com/default.html
Tagsys	Trak660	EM4124	http://www.tagsysrfid.com/
Tracotech	DBT*	EM4325	http://www.tracotech-id.com/

*D002357 and DBT tags are delivered with BAP mode enabled.