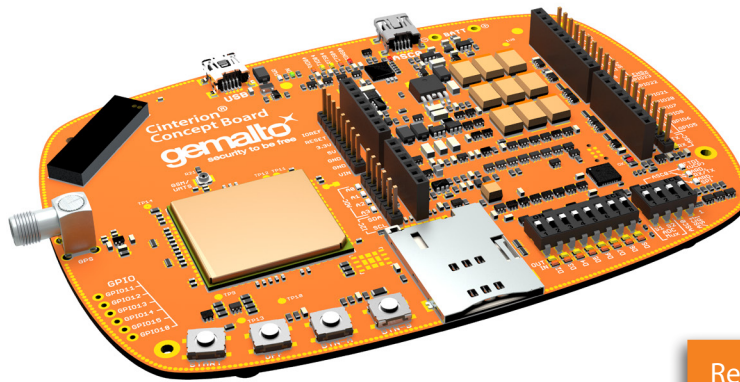


# Cinterion® Concept Board



Register here:  
[www.concept-board.com](http://www.concept-board.com)

## What will you create?

### The Cinterion Concept Board: an Incubator for Java Innovation and the IOT Revolution

Open standards and a huge ecosystem of freely available tools and code were a key ingredient in the growth and success of Java and the wildly creative Java developer community. Gemalto is moving this concept forward for the embedded space with the Cinterion Concept Board, a user-friendly extendable development kit that leverages Java, Cinterion solutions and the IoT Application Enablement Platform to quickly design and launch next generation M2M solutions. The Concept Board provides a simple environment with everything a developer needs to quickly transform ideas into cutting edge, market ready M2M applications. For hobbyists, tinkerers and artists,

the Concept Board can be connected to Arduino-style sensor boards and includes a powerful Cinterion M2M module for global 2G and 3G cellular connectivity.

By committing to an intelligent Java strategy and providing the tools and open source resources necessary for innovation, Gemalto is accelerating the exciting growth of the Internet of Things, which in turn is enhancing today's modern mobile lifestyle and simplifying the way we live and work in the world. From connected cars to mHealth to smart energy systems, Gemalto's Cinterion M2M technology is leading the way to the future.

# Cinterion® Concept Board Features

## GPIO Control

- > 8 GPIO lines with level-shifters
- > Access for evaluation and interfacing
- > LEDs display state at all times

## Java

- > EHS8 JAVA Module  
Global 2G/3G wireless module with Java™ ME embedded.

## Connector for Extension Boards

- > All interfaces and supply voltages accessible
- > Pin-out known from Arduino boards
- > Compatible with a range of Arduino shields
- > Suitable for custom shields

## General Features

- > User buttons for general purpose
- > Start / Off Buttons
- > SIM-card holder with card-detection
- > Solder pads for optional rechargeable battery
- > Simple charging circuit on board
- > On board GPS receiver

## Antenna (GSM / UMTS)

- > On-board antenna
- > Supports all module bands
- > External antenna connector supported on Board

## Module serial port (ASC0)

- > Serial interface to EHS6 module
- > FTDI USB/VCP bridge on board
- > 5V power supply

## Serial interface LEDs

- > Signaling of serial communication
- > RING and SLEEP signaling

## USB & Power Supply

- > EHS8 module USB interface
- > 5V power supply

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