



AT91SAM9RL64 Seminar

**Hands-on 02 Introduction:
Create a Multimedia based application
with the AT91LIB**

Hands-on Goals

■ Understanding of the AT91LIB Library

- Use LCD, Touch Screen & MCI Controllers low level API
- Use LCD, Touch Screen & SDCard tiny FAT file system driver functions

■ Development of a Multimedia Application

- Read BMP files from a tiny FAT SDCard
- Display them on the LCD panel
- Refresh LCD display by pressing and releasing the touch screen



Hands-On Tasks

- **Hands-On 2: Create a Multimedia based application with the AT91-LIB**
 - **Assignment 1: LCD Controller**
 - **Assignment 2: Touchscreen ADC**
 - **Assignment 3: Multimedia Card Interface**
 - **Assignment 4: Final multimedia application**
 - **Optional steps**