

# Atmel AT91 Family - Windows Embedded CE BSPs

## Features available

Official BSPs for Atmel AT91SAM9 Windows Embedded CE based designs



Excellence Awards  
2007 \* 2008 \* 2009

**Microsoft**  
GOLD CERTIFIED

Partner

ISV/Software Solutions  
Mobility Solutions



### Reference BSPs for Atmel AT91 platforms

- Editor of the reference BSPs for Atmel SAM9 and CAP9 architectures
- Wide range of BSPs for Windows CE 5.0 and Windows Embedded CE 6.0
- Atmel AT91SAM9G45 and AT91SAM9M10 MCUs have the power and extensive features of Windows Embedded Compact 7
- Support and customization on full line of SAM9 and CAP9 BSPs



### Expertise and long term collaboration with Atmel

- Official partner for Windows Embedded CE development on AT91 SAM9 and CAP9 architectures
- System integration and training for devices based on AT91 SAM9 and CAP9 platforms
- Collaboration to secure support and maintenance of AT91 SAM9 and CAP9 reference BSPs
- Expertise on a wide range of AT91 microcontrollers

SAM9260, SAM9261,  
SAM9263, SAMG20,  
SAM9G45, SAM9M10,  
SAM9RL64, SAM9xE



# Atmel AT91 Reference BSPs | Adeneo Embedded Offering

## Demonstration Windows Embedded CE Image

- *Demonstration purpose of Windows Embedded CE running on AT91 architecture*

## Binary Evaluation BSP

- *Image customization to meet development specific needs*
- *Enable application developments and tests on an AT91 SAM9x-evaluation kit*

## Free Source Code Access for 20 Days

- *Free access under NDA\* for 20 days*
- *Complete source code for evaluation only*

*\*Download NDA from our website at:  
[www.adeneo-embedded.com](http://www.adeneo-embedded.com)*

## Full Source Code License

- *Complete production quality BSP for all Windows Embedded CE AT91SAM9x products*
- *Support for additional controllers and features of AT91SAM9*
- *Additional testing and validation*

Available from our website  
[www.adeneo-embedded.com](http://www.adeneo-embedded.com)

Contact our sales team  
[sales@adeneo-embedded.com](mailto:sales@adeneo-embedded.com)

|                                 |
|---------------------------------|
| Free Maintenance and support    |
| Sample Applications             |
| Complete Technical documentat   |
| EEPROM                          |
| HDD Driver                      |
| NAND Driver                     |
| SDCard/SDIO Driver              |
| PWM Driver                      |
| I2C Driver                      |
| SPI Driver                      |
| CAN Driver                      |
| USB Host + Device               |
| Application level Ethernet      |
| Serial                          |
| Audio                           |
| Touchscreen                     |
| ISI Driver                      |
| VGA Slashescreen                |
| 2D Graphic acceleration         |
| Display Driver                  |
| RTT/RTC                         |
| Watchdog                        |
| USB Debug                       |
| Ethernet/Serial debug           |
| Load image through USB          |
| Load Image from Ethernet / NAND |
| Boot from UBOOT                 |
| Boot from SD Card               |
| Boot from NAND/SPI flash        |
| Features                        |

AT91 BSPs – Professional versions – one time license fee including support and maintenance

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAM9260            | ✓ | ✓ | ✓ | ✓ | o | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | - | ✓ | ✓ | ✓ |   |
| SAM9261            | ✓ | - | o | ✓ | o | ✓ | o | ✓ | ✓ | ✓ | - | o | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | - | - | ✓ | o | ✓ |
| SAM9263            | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | o | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| SAM9G10            | ✓ | - | o | ✓ | o | ✓ | o | ✓ | ✓ | ✓ | - | o | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | - | - | ✓ | o | ✓ |
| SAM9G20            | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | - | ✓ | ✓ | - | ✓ | ✓ |
| SAM9G45<br>SAM9M10 | ✓ | ✓ | ✓ | ✓ | o | ✓ | o | ✓ | ✓ | ✓ | - | o | o | ✓ | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | - | ✓ | ✓ | o | ✓ |
| CAP9               | ✓ | - | - | ✓ | o | ✓ | o | ✓ | ✓ | ✓ | - | ✓ | o | ✓ | ✓ | ✓ | o | ✓ | o | ✓ | ✓ | ✓ | o | ✓ | o | ✓ |

AT91SAM9 BSPs – Windows Embedded Compact 7

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAM9G45<br>SAM9M10 | ✓ | o | o | ✓ | o | ✓ | o | ✓ | ✓ | ✓ | - | o | o | ✓ | ✓ | ✓ | ✓ | ✓ | - | o | o | - | o | ✓ | - | ✓ | ✓ | o | ✓ |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

- ✓ Supported
- o Currently in development
- Not supported or not available on the chip



# Atmel BSPs | Cost and Distribution

| MCUs               | Free evaluation version - Binary BSP running on Atmel reference board   | Source BSP – 90 days of support and maintenance included | Support and update extension for one year on Adeneo BSPs |
|--------------------|---|--|--|
| SAM9260            | <p>Download free evaluation of our AT91 binary BSPs from:</p> <p><a href="http://www.adeneo-embedded.com">www.adeneo-embedded.com</a></p>  | 4 000 €  | 2 500 €  |
| SAM9261            |   | 4 000 €  | 2 500 €  |
| SAM9263            |   | 4 000 €  | 2 500 €  |
| SAM9G10            |   | 4 000 €  | 2 500 €  |
| SAM9G20            |   | 4 000 €  | 2 500 €  |
| SAM9G45<br>SAM9M10 |   | 4 000 €  | 2 500 €  |
| CAP9               |   | 4 000 €  | 2 500 €  |



## General sales information

[sales@adeneo-embedded.com](mailto:sales@adeneo-embedded.com)



## Download platform on our website

[www.adeneo-embedded.com](http://www.adeneo-embedded.com)

## Full source code access for 20 days in three steps:

1. **Download** the Non-Disclosure Agreement (NDA) on our website: [www.adeneo-embedded.com](http://www.adeneo-embedded.com)
2. **Sign** the NDA and send it to our sales team: [sales@adeneo-embedded.com](mailto:sales@adeneo-embedded.com)
3. **Receive** the access information via email to download the source code from our FTP server