



## GEMSTONE PE-SBC-9263-CE-1-1A

With GEMSTONE as a base we've developed a powerful computer platform that can be used in various applications such as display driver, control systems, measuring system etc.

A wide range of communication solutions are available such as RS232, RS485, CAN, LAN, USB, SPI and I2C. Some may require external circuits.

If any specific features are required that are not included in this board an application specific board can be designed.

The software is customer specific, operating system either in Windows CE 6.0 or Linux (2.6.19 kernel).

- AT91SAM9263 from Atmel.
- 180MHz, 210MIPS
- Power supply 5V DC
- Consumes a maximum of 1.5W with a 3.5" display
- 3 USARTs, for communication with external devices.
- LCD Controller (resolution up to 2048x2048)
- Touch screen
- Battery Backup mode with Real Time Timer (down to 2.5µA)
- 2 USB Host and 1 USB Device V2.0 Full speed
- 10/100 Ethernet
- 256Mb NAND flash
- 4Mb dataflash
- 64Mb SDRAM
- Digital I/Os
- Operating temperature (-20°C to +85°C)
- BGA324 RoHS package
- Board dimensions (BxH): 10x13cm

