



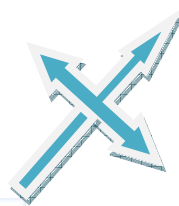
## KM9260



Mobile /Industrial Control Systems



Security Imaging/Camera Systems



Detail Image



Dedicated Instruments

## KM9260-Single board computer

**KM9260 is the ultimate value proposition. It is a mid-performance system based on an ARM9 core at a very low price. For products forced by size and unit cost, KM9260 is the ideal choice and is one of the smallest sing board computers currently available. With these advantages of economy, KM9260 also provides for a quick turnaround and reduces overall development costs. With the compact in size, with its impressive performance and on board peripheral support, makes it easy to rapidly develop an embedded product. It provides engineers with a viable solution that is both cost-effective and transferable across abroad range of electronic design and products.**



# Cost-effective embedded system solutions

The KM9260 is built around the Atmel AT91SAM9260 microcontroller and has a fully-featured system controller. Its extensive set of standard, on-board memory and peripherals, such as Ethernet, USB and SPI, enable engineers of embedded electronics to design and develop a wide range of products. The KM9260 System Module has the ability to power several peripherals on/off, either for reduced power consumption or to allow for shared peripherals to be used.

This KM9260 offers all of the popular interfaces needed in an embedded system. Peripherals include MCI interfaces for data storage and two USB Host ports and one USB Device port, SPI, I2C and a Real Time Clock. The module also includes a fully-featured, embedded Linux kernel, or a fully-featured WinCE 6.0 kernel, providing engineers with a wealth of resources for development and support and a comprehensive BSP. Using KM9260 in the design and development process is a sure way to help reduce a project's risk, as the module is fully tested and verified.



Security Imaging/Camera Systems

## KM9260 Features & Specifications:

- Atmel AT91SAM9260 CPU at 180 MHz/200 MIPS
- Embedded Linux 2.6.20 or WinCE 6.0 kernel included
- 32MB SDRAM, 256MB NAND flash storage
- 32/16-bit processor bus
- 10/100 Ethernet
- I/O: Up to 40 GPIOs
- USB Interface: USB2.0 full-speed Host port và full-speed Device port
- UARTs: 1 x full function, 1 x 5 wire Bluetooth, and 4 x 3 wire
- I2S stereo audio codec
- Supports Smart Displays
- I2C, SPI, SDIO, CMI
- Camera: interface on module and via SODIMM
- Power: 3.3V single input
- Power consumption: 600mW (typical)
- Operating Temperature: Commercial or Industrial
- Weight: 55g; Dimensions: 102mm x 75mm x 4mm



KM9260 single board computer can dramatically cut product development time and costs by 50% - 80%. Once developed, a KM9260 based product is a highly effective solution for low to medium volume production runs. For higher volumes, the EEES design can be easily integrated onto a customized printed circuit board by EEES engineering team. When using KM9260 as a common system core across multiple products it leverages the development effort by using the same software drivers as well as schematics and BOM. Their modular design enables an engineering team to create products faster and focus on unique selling application features without being bogged down by complex design elements. The learning achieved on a design can then be seamlessly transitioned to future products, enhancing the savings even further.



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