

e-con Systems Launches eSOM300, a New Member in the eSOM Family of Computer on Modules

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Press release from: [e-con Systems, Inc](#)



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e-con Systems launched the eSOM300, a Computer-on-Module based on Marvell's PXA300 processor, suitable for embedded applications requiring a combination of low power consumption and mid-range processing and GUI performance. Some of the applications where it can be used are point of sale, handheld and mobile terminals, vehicle mount systems, Kiosks, test & measurement equipment and gaming machines.

“The eSOM300 will help our customers who have been requesting us for higher memory requirements and features like graphics acceleration and USB 2.0 device interface. The PXA300 is an ideal processor for Industrial Embedded Solutions, Handheld Devices and devices such as portable navigation devices (PNDs) because it scales up to 624Mhz in clock speed with power consumption as low as 1.5W and to less than 100mW in low power modes. This is one of the processor offering the best cost, performance and power consumption” said Ashok Babu, President, e-con Systems.

“With the successful launch of eSOM300, our ecosystem partner e-con Systems is bringing the power of Marvell’s hugely popular general purpose CPU PXA300, in a highly integrated, low power, small form-factor CPU module. This pluggable eSOM300 module, a new entrant in e-con’s Marvell CPU based module product line will drastically reduce the base board design complexity and thereby reducing the time-to-market for customers designing embedded products” Said Anand Ramamoorthy, General Manager, Application Processor BU, Marvell Semiconductor Inc. “Customers can leverage e-con’s vast and proven experience in Marvell’s Application processors in the form of their CPU modules and associated design services, that will eventually help Marvell’s customers to get their products based on Marvell’s PXA300 CPU fast and efficient way”, added Anand.

About the eSOM300 module:

The eSOM300 has a PXA300 CPU with a 2D graphics controller and can support up to 256MB of DDR memory, up to 1 GB of NAND flash, 100Mbit Ethernet, RTC, battery charger, serial ports, USB ports, Audio, GPIO lines and several other essential functions. The module also has a “local bus expansion header” to help customers build daughter boards with chips that interface directly on the processor bus around the eSOM300.

The eSOM300 has several additional features in comparison with its predecessor eSOM270.

- Processor running at 208/624Mhz speed

- Higher memory bandwidth
- Support for flash up to 1GB
- Support for RAM up to 256MB
- USB 2.0 device support
- 2D Graphics acceleration support
- Battery charger support (Optional)
- Ethernet support on the module (Optional)
- Audio & Touch screen support on the module (Optional)
- RTC support

Software Support and Development Environment

eSOM300 modules support Windows CE 6.0 R3 and Linux 2.6.x operating systems and the BSP as provided is production ready and ready to use (Win CE drivers have passed CETK tests). For features on the BSP, please refer e-con Systems website.

Pricing and Availability

The samples for the eSOM300 module along with the development board will be available for sale from April 15th 2010.

Evaluation Kit:

Evaluation kit is also available from e-con Systems and shall be available starting the April 15th 2010.

About e-con Systems:

e-con Systems, acknowledged by Microsoft as a Windows Embedded Gold Partner, is an embedded product development services company focused on end-end product development. e-con Systems has expertise in mobile application processors including PXA270, PXA300/PXA310, PXA320 and has been using its product engineering services to help customers on development of product like digital picture frames, point of sale terminals, video surveillance, Low vision aid equipments, handheld single board computers etc. among others.

Besides this, e-con provides systems integration services such as Windows Embedded CE or Linux BSP porting solutions and device driver development. Also e-con's design services have been used by customers across the globe for hardware design of their products.

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