



## PRESS RELEASE

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### e-con Systems announces Computer on module running Windows Embedded Compact 2013, Boots in less than a second

*e-con Systems announces the release of eSOM3730 System On Module running Microsoft Windows Embedded Compact 2013 with ARM Cortex-A8 cores clocked at up to 1GHz.*

**St. Louis, USA / Chennai, India – December 4, 2013**—e-con Systems Inc., a leading embedded design services company specializing in Computer on modules, announced the release of its [eSOM3730 Computer on module](#). The eSOM3730 Computer-on-Module is based on AM/DM37x CPU family from Texas Instruments and runs Windows Embedded Compact 2013. e-con Systems already has dozens of customers in mass production using legacy computer on modules, such as the [eSOM270](#) and the [eSOM300](#).

Windows Embedded Compact 2013 has a number of new and improved features, providing a beneficial experience for eSOM3730 customers. With eSOM3730, devices are automatically cloud-enabled and customers are able to monitor their devices from their tablets or mobile phones anytime, anywhere.

As the industry shifts towards connected devices enabled by the “Internet of Things,” Windows Embedded Compact 2013 provides seamless integration with Microsoft technologies and is optimized for building small-footprint industry devices that extend Windows and help businesses capitalize on the IoT. With improved flexibility, real-time support and advanced security features, Windows Embedded Compact 2013 helps e-con Systems provide customers with a robust support package while reducing time to market and lowering the cost of ownership.

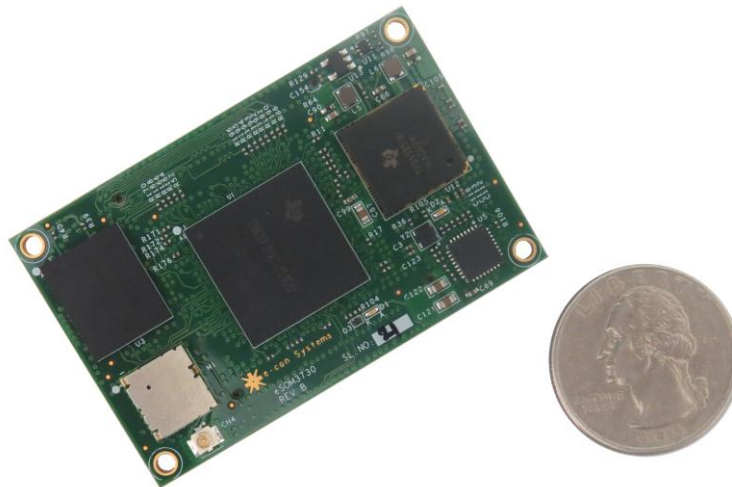


Fig 1 – eSOM3730 Computer on module

“With Windows Embedded Compact 2013, e-con Systems is able to act on data and insights more efficiently – enabling the enterprise to create a return on its investment through greater competitive advantage and increased customer satisfaction,” said Colin Murphy, product marketing manager, Windows Embedded at Microsoft.



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*“The eSOM3730 Computer-on-Module from e-con is a perfect blend of processing power and Windows Embedded software targeted at innovative applications for the future, allowing customers to build and deploy their products in the market at a rapid pace. e-con, a long time supplier of Computer-on-Modules, also provides the Rapid Development Kits for the eSOM3730 and provides the product development and customization support for our customers.”* said Ashok Babu, President of e-con Systems.

The [eSOM3730](#) supports up to 512MB of RAM and 512MB of flash storage along with 802.11n Wireless support. The CPU options can be ARM Cortex A8 powered Sitara AM3703 with up to 1GHz clock speed or DM3730 CPU with an integrated C64\_ DSP and PowerVR SGX530 Graphics processor. And customers can configure the most optimal configuration of the CPU and memory when they go for mass production. Additionally the eSOM3730 supports MIPI CSI-2 camera interface. The eSOM3730 has an operating temperature range of -40°C to +85°C making it suitable for a variety of commercial and industrial applications.

The camera interface along with the built-in DSP on top of the eSOM3730 opens up a number of image processing applications. The DSP can support encoding of 720p@30fps and hence customers can stream Video at HD. Customers who are in to Video analytics like Traffic surveillance may benefit from this feature. For customers in to medical domain like dermatology, pathology or tissue vision would be finding this DSP feature beneficial.

### Pricing and availability

The eSOM3730 at volumes is available at USD 49 onwards and samples can be bought from the [Webstore](#).

### Evaluation kit

Customers willing to evaluate the eSOM3730, can own it by ordering the [ALMACH](#) development kit from e-con’s [Webstore](#). The development kit among other accessories also features a 8M pixel camera daughter card.



Figure 2: ALMACH – eSOM3730 Rapid development kit.

For more information, visit the [eSOM3730](#) and the [ALMACH](#) web pages.



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### 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-to-end product development. To support customers on their journey towards product development, e-con offers building blocks like Computer on modules and camera modules. In addition to this, e-con Systems provides an array of services like Windows Embedded BSP development, Windows Embedded driver development and also helps the customers in engineering the complete product. Some of the products running e-con Systems computer on module with Windows Embedded Compact include handheld data loggers, fork lift dash boards, handheld point of sale, lighting control panels and vehicle infotainment systems.

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