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The Global Semiconductor Industry Analysts

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e-con Systems launches fast computer on modules

e-con Systems, Inc., specialist maker of Computer on modules, has introduced the eSOMTK1 System On Module, which is based on nVIDIA TK1 ARM Cortex, A-15 Quad core Processor running up to 2.3GHz.

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Silvaco ties up with Cognitive Design for expansion in India

Silvaco Inc. is extending its reach to India through an agreement with Cognitive Design Technology (CDT). The agreement will allow Silvaco to penetrate the Indian market by providing local customers Electronic Design Automation (EDA) products

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TALK TO US



Broadcom optical components suit 25G to 300G apps

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Taiwan number one chip equipment spender: SEMI

TAIPEI -- Taiwan remained the largest market for new semiconductor equipment for the fourth year in a row last year, spending US\$9.64 billion in chip equipment, according to a report by the Semiconductor Equipment and Materials International (SEMI) trade association.

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Analog Devices, Snap Sensor Team Up For IoT Sensing

Analog Devices acquires SNAP Sensor SA, a Swiss company specialising in vision sensing technologies. The partnership aims to advance Analog Devices' sensing and signal processing and build upon platform-level Internet of Things (IoT) solutions such as ADI's award-winning Blackfin Low Power Imaging Platform (BLiP).

SNAP Sensor's patented technology offers improvements to existing optical sensors by ensuring accurate image detection in challenging lighting conditions. It improves sensing and accuracy in a range of detection, identification, and guidance uses. In addition, much of the image management is performed on the sensor, enabling the use of low-cost and lower power processors.

e-con Systems Launches Fast Computer On Modules

e-con Systems, Inc., specialist maker of Computer on modules, has introduced the eSOMTK1 System On Module, which is based on nVIDIA TK1 ARM Cortex, A-15 Quad core Processor running up to 2.3GHz. The product features 3 high-speed camera interfaces with support for 13MP camera and Video Streaming 4K@30fps.

The eSOMTK1 exposes the complete range of interfaces provided by the Tegra K1 processor through its connectors, so that the customers can get the complete functionality without going through the complex design requirements of the processor sub system including memory and power manager. eSOMTK1 has three camera interfaces provided with one 1-lane MIPI CSI-2 and two 4-lane MIPI CSI-2. The 4-lane interface allows 4K streaming at 30fps. In addition, the eSOMTK1 offers a wide range of interfaces from simple GPIOs, industry standard I2C, SPI, UART, PCIe, SATA and USB 3.0.

Silvaco ties up with Cognitive Design for expansion in India

Silvaco Inc. is extending its reach to India through an agreement with Cognitive Design Technology (CDT). The agreement will allow Silvaco to penetrate the Indian market by providing local customers Electronic Design Automation (EDA) products, including leading solutions for TCAD, simulation and full custom circuit design.

Silvaco is tapping CDT as its local representative to help with technical support and sales. "India represents an important, growing market for Silvaco and it is essential to have local representation that can assist our customers doing the most advanced design," said David L. Dutton, CEO of Silvaco. He said Cognitive Design was selected because of its ability to deliver technical support and sales "utilising their deep understanding of local customer needs."

Broadcom optical components suit 25G to 300G apps

Broadcom recently launched its latest portfolio of optical component solutions for multi-mode fibre (MMF) and single-mode fibre (SMF) optical transceivers. The products include solutions for short-reach and long-reach optical networking applications such as data centre and enterprise networking, high performance computing (HPC), Fibre Channel, metro Ethernet transport, and Ethernet Mobile Fronthaul.

Broadcom's one-stop-shop solutions for 25G to 300G short reach applications include chip kit solutions of VCSELs, photodiodes (PDs) and physical medium dependent integrated circuits (PMD ICs) consisting of transimpedance amplifier (TIA), clock and data recovery (CDR) and laser driver (LD) for data centre, storage networking and HPC applications

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Worldwide sales of semiconductor manufacturing equipment totaled US\$36.53 billion in 2015, representing a year-on-year decrease of 3 percent, the SEMI report shows.

Spending rates increased for Taiwan, Korea, Japan and China, while the new equipment markets in North America and Europe contracted.