

Hall.Stand A4.207

■ Intersil to feature video security surveillance and automotive products

Intersil has announced that it will showcase its analog products and technology at electronica. Intersil will display and demonstrate a wide array of high-performance analog products that address the industry's fastest-growing markets, in particular automotive and security. Featured video security surveillance products will include the newly introduced Intersil MegaQ equalizer designed to automatically equalize video over the popular and inexpensive Cat 5 cable, as well as the more traditional coaxial cable, at distances over five times those currently possible, with a maximum length of 1 mile or 1.67 kilometers, and the Intersil Techwell SLOC solution, an innovative modem PHY technology that enables mega-pixel IP-based cameras to operate in the existing CCTV coaxial cable infrastructure without the need for new wiring or modifications. The featured Intersil automotive products for hybrid electric vehicle/electric vehicle (HEV/EV) applications are to be launched just prior to the show and will be unveiled for the very first time at electronica 2010. A wide array of other Intersil high-performance analog products will also be on show.

[News ID 12592](#)

Hall.Stand A5.339

■ Memphis: own brand of 1 GBit DDR1 and 2 GBit DDR2 memory ICs

Memphis Electronic announces the introduction of its own brand of 1 GBit DDR1 and 2 GBit DDR2 memory ICs. Debuting to the broader public at the electronica, the 1Gb DDR1 and 2Gb DDR2 devices are presently sampling through Memphis Electronic representatives. With its new DDR products, Memphis further positions itself as provider of niche memory solutions for the high end and industrial segments, in addition to its continuing support of legacy and sustaining Memory products. Doubling the most commonly available capacity of 512Mb in DDR1, the new Memphis 1Gb 2.5v DDR1 component is housed in a 66 pin TSOP. The new DDR1 devices will be marketed to high-end servers for mobile communications, as well as industrial and embedded applications which require higher storage densities. The Memphis 1Gb DDR1 device with a 16 bit bus interface is available now, with an 8 bit version planned for the beginning of December 2010. Memphis Electronic raises the bar in DDR2 Memory IC's with the introduction of its new 2Gb device. The monolithic chip, operating at a supply voltage of 1.8v, is designed for Tcase temperatures of up to 95°C. The IC is now available with a 4, 8 and 16 bit bus interface and is suited for the most diverse applications such as IPTV and a variety of other consumer devices, servers, and raid memory, as well as industrial applica-

tions. The 4 and 8 bit ICs are housed in a 10.5 x 11.5 mm 60 ball FBGA, while the 16 bit model is slightly larger, housed in a 10.5 x 12.5 mm 84 ball FBGA. The chip can be operated at 400 MHz (with a data rate of 800MHz) and with a CAS clock latency of 5 cycles, satisfying even the highest requirements for speed. By year's end, the Memphis 2Gb DDR 2 IC will be optimized for a data rate of 1066MHz with CL7. In addition, Memphis has plans to qualify a version with an extended temperature range from -40 to +95°C, with an automotive version rated for even greater temperature thresholds expected for 2011.

[News ID 12613](#)

Hall.Stand A4.506

■ Fairchild to focus on smart grid technology

Fairchild Semiconductor will demo its latest technological advancements for mobile applications, as well as power solutions that focus on the smart grid. Fairchild's booth will feature technology demonstrations that enable mobile connectivity and optimize energy usage in power supplies (AC/DC and DC/DC), mobile, LED lighting, motor, solar, computing, consumer and automotive applications. Fairchild is offering over 20 demos at the show covering power, mobile and packaging solutions including: LED lighting – This demo will provide a detailed look at our solutions like the FSR2100. This product is a highly integrated power switch designed for high-efficiency half-bridge resonant converters. Power supplies – One of the many power supply demos will focus on class D audio amplifiers. We'll display products such as the FAN6961, an 8-pin, boundary-mode, PFC controller IC intended for controlling PFC pre-regulators. USB switches and transceivers – At this demo our engineers will be talking about a variety of USB switches and transceivers used by the world's leading mobile device manufacturers, including the FUSB2500. This USB transceiver features an integrated charger detect that allows detection without additional component count and offers a low power down function that puts the device in standby when functions are not in use. Battery Chargers – at this demo, visitors will learn about products like our recently developed FAN5400 family of USB-compliant, single-cell Li-Ion switching chargers with USB-OTG capabilities. Packaging advances – visitors can expect to see products like our FDMS2504SDC – an N-Channel MOSFET produced using Fairchild's PowerTrench process. Advancements in both silicon and Dual Cool package technologies have been combined to offer the lowest RDS(ON) while maintaining excellent switching performance by extremely low Junction-to-Ambient thermal resistance.

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