

Mindspeed's Comcerto 1000 CPU receives INTERNET TELEPHONY Magazine's 12th Annual Product of the Year Award

Mindspeed's Comcerto 1000 packet processors enable service providers to deploy triple-play and additional advanced value-added services over their FTTx Next Generation Networks (NGN) using the next generation of broadband home gateways.



The Comcerto 1000 family of processors offers a unique combination of high packet performance, low-power consumption and low cost, making it also one of the best choices for small- and medium-sized business (SMB) smart security appliances and voice-over-Internet Protocol (VoIP) for residential, retail and SMB appliances.

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New High-Performance 802.11a/b/g/n + Ethernet Module

—ConnectCore Wi-MX51 System-on-Module Solution—

The new ConnectCore™ Wi-MX51 is the industry's first wireless-enabled System-on-Module solution based on the Freescale i.MX51 application processor, which features a high-performance ARM Cortex A8 core. The low-power 32-bit system-on-module design features 10/100 Mbit Ethernet

networking along with pre-certified 802.11a/b/g/n wireless LAN.

Features such as dual-display support and a hardware encryption engine make this module an ideal choice for applications in the medical, digital signage, security, retail, industrial automation, building automation and transportation markets.



GPS Location Processor with Built-in CPU Ensures Quick Time to Market

CSR, a leading provider of GPS-powered location platforms, recently launched the SiRFstarIV™ GSD4e GPS location processor, an innovation that promises to redefine the meaning of "location awareness" for mobile devices. Building upon the SiRFstarIV architecture's high-performance and micro-power capabilities, the GSD4e adds a built-in CPU and innovations such as SiRFGeoRecov™ technology that are optimized to ensure continuous location awareness, without loading the host processor.

The GSD4e's innovative adaptive accuracy and SiRFGeoRecov technologies make it possible to instantly geo-tag images or videos. It also enables people to locate

social networking friends on a smartphone, track a jogging course with a wearable device, perform location-based searches with a laptop or netbook or find their way through buildings and urban canyons with a pedestrian navigation system. Unlike other GPS solutions on the



market today that many times fail to provide any location fix at all, the GSD4e ensures that devices are on the "location grid," even in extremely low signal conditions. And the GSD4e's sophisticated motion-sensing algorithms ensure advanced power management and stable, accurate positioning, even when standing still.



Rabbit 6000 with 802.11 a,b,g + 10/100 Ethernet

Rabbit is proud to introduce the Rabbit 6000, the industry's first embedded wireless communications and control System-on-Chip (SoC) ideal for industrial automation applications. The Rabbit 6000 combines wireless communications and a rich industrial control feature set on a single chip reducing the time to market of network-enabled industrial devices. It is the perfect complement to future hardware designs, such as our award winning Single-Board Computer (SBC) products, our popular RabbitCore® line and our compact MiniCore® line. Running at 200 MHz, the Rabbit 6000

Key Features:

- Clock speed up to 200 MHz
- On-board Wi-Fi 802.11a/b/g and 10/100 Ethernet
- USB 2.0 full speed (host)
- 64 I/O up to 6 serial ports (4 as SPI)
- 12-bit A/D converter, up to 1 Megasamples/s
- 4 PWM, 4 PPM channels
- Easily add HMI as well as CANbus protocol support with on-board FIMs

is optimized for embedded control systems requiring high performance without sacrificing costs.



Silicon Labs Greens Up Smart Home/ Smart Meter Market with Lowest Power Wireless Microcontrollers

Answering the need for energy efficiency in home automation and metering Silicon Labs have introduced the industry's lowest power single-chip wireless microcontrollers (MCUs). Silicon Labs' new ultra-low-power



Si10xx wireless MCU family addresses the power and RF requirements of battery-operated home automation systems, smart meters, in-home utility monitors and security systems.

Today's smart home/smart grid applications merge wired/wireless connectivity and embedded control with power-efficient design to

maximize battery life. The ultra-low-power Si10xx wireless MCU family is ideally suited for these battery-operated systems with RF links, as well as for many other embedded wireless applications that require ultra-low power consumption.



Vitesse Jaguar Family of Switches and MACs Revolutionizes Carrier Ethernet Networks

Vitesse have introduced the Jaguar family of Ethernet devices designed specifically for service provider Carrier Ethernet applications. This family of devices offers an optimized feature set that is critical for transitioning today's TDM circuit-switched networks to modern, packet-based Ethernet networks. The Jaguar family launches with four devices – two Carrier Ethernet switches: Jaguar (VSC7460) and LynX™ (VSC7462) and two Media Access Controllers

(MACs): CE-MaX-24 (VSC7364) and CE-MaX-12 (VSC7366).

To deliver carrier-grade reliability, these devices afford hardware-generated continuity checking for Port, Link, Tunnel, and Service protection. The fast link failure detection and exclusive path protection mechanism provide reliable 50mS protection switching performance critical to carrier networks.



Lattice ships over 200 million ispMACH 4000 CPLD devices



Lattice Semiconductor Corporation announces that it now has shipped over 200 million ispMACH® 4000 complex programmable logic devices (CPLD).

CPLDs continue to be a popular alternative to discrete digital logic, given the flexible nature of in-system programmable logic and I/O buffers that support a variety of signal standards and

voltage levels. Compared to FPGAs, CPLDs offer the advantages of low cost solutions with predictable and very fast timing characteristics.

With tiny packages down to 4x4mm, static power consumption down to 10uA and prices starting as low as \$0.50, the



ispMACH 4000ZE CPLD family is an ideal design solution for battery-

powered or low standby power devices such as smartphones, portable GPS products and home appliances like digital set-top-boxes.



Digi Launches Industry's First Foolproof Programmable ZigBee Module

Digi International introduces the programmable XBee-PRO® ZB, the industry's first foolproof programmable ZigBee® module for easy and safe ZigBee application development. Customer applications can be programmed directly on the module, eliminating the need and cost of a separate processor and reducing time-to-market. Because the Digi-provided wireless software is isolated, customers can easily develop applications with no risk to RF performance and security. As part of iDigi™ customers can also use the iDigi platform to easily integrate XBee®/ZigBee endpoints into their systems.



A product designed using the programmable XBee-PRO ZB can be updated remotely with new ZigBee profiles, feature updates or security enhancements. Digi is also developing downloadable sample applications for developing Smart Energy Load Controllers, Smart Energy Simple Meters, Smart Energy Thermostats, iDigi endpoints, U-SNAP endpoints and for Modbus support over Ethernet.

The programmable XBee-PRO ZB features an 8-bit Freescale SO8 microprocessor and offers an outdoor RF line-of-sight range of up to one mile. XBee products are easy to use and share a common hardware footprint. Available in a variety of protocols for different applications, one XBee can be substituted for another with minimal development time or risk.



Allegro Announces New High Power LED Driver For Medium LCD Display Backlighting

Allegro MicroSystems introduces a new high power LED driver with output disconnect for backlighting medium LCD displays. This new driver is a robust solution targeting numerous applications. Typical applications include in-dash navigation systems, automotive infotainment, and back-up camera displays. A commercial version is also available for industrial and consumer applications. The A8501 integrates a boost converter and four 100 mA current sinks. LED channels can be tied together



for up to 400 mA sink capability. It can work from a single power supply of 8 to 21 V and withstand up to 40 V. The boost converter is a constant frequency, current-mode converter.



Summit Micro Receives Electronic Products Product of the Year Award for the SMB211 power manager

The SMB211 is a highly integrated and flexible power manager designed for use in a wide range of applications from printers and set-top boxes to servers and network equipment. The built-in non-volatile digital programmability allows system designers to custom tailor the

device to suit almost any power supply application. The SMB211 features a synchronous high current step-down "buck" converter that can provide an output current of more than 10A. It can operate with an input voltage of +4.5V to +13.5V and provide programmable output voltages that are typically accurate to 1.0%.



New Generation General Purpose Hall-Effect Latches with Protection from Allegro Microsystems



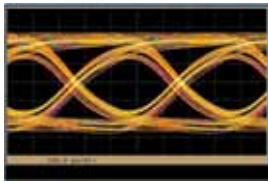
The A1225/7/9 General Purpose Hall-effect Latches are extremely temperature-stable and stress resistant sensor ICs especially suited for operation over extended temperature ranges.

The intent of these latches is to provide a more robust product offering for those applications that are not able to employ high voltage transient protection close to the sensors inside the system.



Signal Integrity Solutions from Mindspeed open up your eyes

Sending high speed signals over backplanes or through long cables can be a real signal integrity challenge. To meet this challenge



Mindspeed have introduced the M21030, a small form factor cable driver and equalizer that is designed to enable data transmission

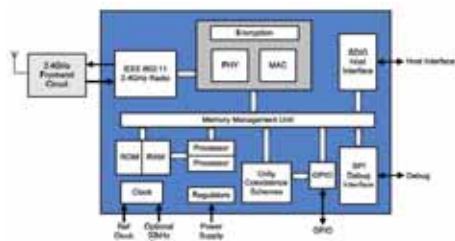
over long copper cables at speeds of up to 6.5 Gbps. The device features four fully independent adaptive equalizers that automatically

optimize equalization for maximum performance. No equalizer programming is required. This is critical in cabled environments where

channel properties will change drastically from cable to cable.

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Looking for a low-power WiFi solution for your mobile device?



The UniFi CSR6026 from CSR is a single-chip designed for IEEE 802.11n in the 2.4GHz band.

Using 65nm CMOS, it is designed to meet the requirements of mobile embedded systems, giving industry-leading low power consumption, optimal system performance, a very small form factor and low total system cost.



Allegro/Sanken

Allegros product portfolio contains halleffekt sensors, motordrivers, latched drivers and general drivers. Allegros products are distributed by Insight Memec



CSR

CSR is a leading provider of multifunction connectivity and location platforms. CSR's technology portfolio includes Bluetooth, GPS, FM, Wi-Fi, UWB, NFC and other technologies to enable silicon platforms that incorporate fully integrated radio, baseband and microcontroller elements.



Digi International

Digi International develops products and technologies to connect and manage local or remote electronic devices over the network or via the web with products like ARM based network enabled processors and core modules as well as the XBee family of OEM point-to-multipoint / Mesh and ZigBee modules.



GE Sensing

Silicon based pressure sensors for air, gas and liquid. The sensor element is the same in all sensors, what differs is how they package it depending on application and what media it will be in contact with. Everything from SO-8 package for simple barometric applications to sensors in stainless steel housing.



Lattice Semiconductor

Lattice manufactures programmable logic devices starting from small, very low power CPLD devices all the way to high density SRAM based platform FPGA's. Lattice is also the key manufacturer of Flash based FPGA devices that don't need an external programming source. Lattice also has some special mixed signal programmable devices for Clock & Power Management applications.



Mindspeed

Mindspeed Technologies designs, develops and sells semiconductor solutions for communications applications such as converged VoIP and data, and broadband optical transmission in enterprise, access, metropolitan and wide area networks. The company's three key product families include high-performance analog transmission and switching solutions, multiservice access products designed to support voice and data services across wireline and wireless networks, and WAN communications solutions including T/E carrier, network processing and traffic management devices.



Quicklogic

QuickLogic offers innovative low power platforms for the portable/handheld markets. QuickLogic's Customer Specific Standard Products or CSSPs, combines the proven functionality of ASSP such as USB 2.0 OTG, PCI, SDI, with the fully customer-specific functionality of ASICs.



Rabbit

Rabbit Semiconductor® Inc., a Digi International® brand, is a global provider of high-performance 8/16-bit microprocessors, core modules and development tools for embedded control, communications, and Ethernet connectivity.



Silicon Laboratories

Silicon Laboratories is an industry leader in the innovation of high-performance, analog-intensive mixed signal products. The diverse product portfolio includes microcontrollers, timing products, power over ethernet products broadcast audio/video products, embedded modems and SLICs



Summit

Summit Microelectronics is the leading supplier of analog power management solutions to the embedded electronics market. Using their programmable technology you can solve all you power issues in growing thru generations of products with different supply powers.



Vitesse

Vitesse combines design of high speed IC's with volume production to supply the market with some of the worlds fastest communication devices. Furthermore, Vitesse offers one of strongest Ethernet family of products in the market. The product portfolio includes SONET/SDH, ATM, IP, Gigabit Ethernet, optoelectronic devices and solutions for backplane communication.