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Exar Delivers XRP7724 With PowerArchitect™ 5.0

XRP7724 Introduces A New Era of Programmable Power Management

FREMONT, Calif., Oct. 22, 2012 /PRNewswire/ -- Exar Corporation (Nasdaq: EXAR) a leading supplier of analog mixed-signal products and data management solutions, today announced the delivery of the XRP7724, a quad output programmable power management system, and PowerArchitect™ 5.0, Exar's comprehensive development tool. The XRP7724, with PowerArchitect 5.0, offers architects an easy to use solution for complex power requirements providing dynamic optimization and customizable configuration through on-board memory.

(Logo: <http://photos.prnewswire.com/prnh/20120716/SF41155LOGO>)

The XRP7724 is unequalled in both standby current and power consumption performance with multiple Pulse Frequency Modulation (PFM) modes for improved light load efficiency. Additionally, the XRP7724 minimizes printed circuit board (PCB) space with the smallest solution footprint while significantly lowering external part count. The XRP7724 delivers a wide variety of features and capabilities that distinguishes programmable power from legacy analog solutions.

"This announcement advances Exar's leadership position in programmable power system solutions," said James Loughheed, vice president of power management products. "The part is really only limited by an architect's imagination, for example this solution could enable energy monitoring, remote field upgradability, or a dynamically optimized power system."

Product Details

The XRP7724 is Exar's next-generation programmable power management system. The system offers a single input, quad output, step down switching regulator controller with integrated gate drivers and dual LDO outputs. The product is programmable through an I²C based SMBus compliant serial interface. The system offers a wide input voltage range (4.75V to 25V), and output range (0.6V to 5.5V) with switching conversion frequencies programmable from 106kHz to 1.2MHz in digital Pulse Width Modulation (PWM) and PFM modes. The XRP7724 offers the industry's lowest power consumption performance in standby (450uA) and PFM mode (4mA). An additional five GPIOs for system control complete the solution which is delivered in a 7x7mm TQFN package.

PowerArchitect™ 5.0 is Exar's next-generation design tool to complement the XRP7724 product. This new release is a highly advanced tool that has been upgraded to support all the new hardware features of the XRP7724 including conditional sequencing, broader

fault management, and more extensive GPIO configuration. The tool also includes improvements such as chip verify, auto-wizard inductor and capacitor value selection, multiple device communication and improved status and interrupt register management. The tool possesses an updated and more user friendly environment to aide designers in their increasingly complex power supply designs.

About Power^{XR} Technology

Exar's Programmable Power Management family is marketed under the Power^{XR} brand. The Power^{XR} family of products combines programmable power conversion control and monitoring technology with high performance analog circuitry in the industry's leading portfolio of programmable power management system solutions. Power^{XR} enables system architects to create innovative products with advanced, intelligent, switching power supplies that significantly reduce wasted power and improve overall time to market compared to legacy analog power-supply regulators.

Exar's PowerArchitect development tools enable designers to intelligently configure the power supply's voltage setting and current thresholds, fault monitoring and response, soft start and active shutdown timing, channel sequencing, phase shift management and loop response amongst other features. Dynamic control and full system monitoring enable system architects and power designers alike to develop custom, proprietary system power designs that add value to their end applications.

Product Availability and Pricing

The XRP7724 is available now in volume quantities and comes standard in a RoHs compliant, halogen free 44 pin TQFN package. 1,000-unit price for the XRP7724 with PowerArchitect 5.0 is \$6.75 each. Customers are encouraged to [download](#) PowerArchitect™ 5.0 and test the ease of use and extensibility of the design tool (registration required).

Power Management Products

Exar designs and develops traditional power management products as well as innovative programmable power management systems. Exar's power management products simplify the power and system architecture in a wide variety of end markets for both line and battery-powered electronic equipment. With over 30 years of analog and mixed-signal expertise, Exar's power management solutions are trusted everyday to provide an unprecedented combination of high efficiency, high performance, board space optimization and improved system reliability while reducing costs and time to market.

Additional Information

Additional information on the Power^{XR} XRP7724 is available [online](#).

Additional information on Exar's Programmable power management system family is also available [online](#).

About Exar

Exar Corporation designs, develops and markets high performance analog mixed-signal integrated circuits and advanced sub-system solutions for data communication,

networking, storage, consumer, and industrial applications. Exar's product portfolio includes power management and connectivity components, communications products, and network security and storage optimization solutions. Exar has locations worldwide providing real-time customer support. For more information about Exar, visit <http://www.exar.com>.

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