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Exar Releases Intel® Node Manager Compatible Programmable PMIC

XRP7725 Programmable Quad Output PMIC Monitors System Power

FREMONT, Calif., April 3, 2014 /PRNewswire/ -- Exar Corporation (NYSE: EXAR), a leading supplier of high performance analog mixed-signal components and data management solutions, today introduced the XRP7725 quad-output, synchronous step-down, programmable PMIC compatible with Intel® Node Manager energy monitoring. By sampling the current on each of the 4 outputs every millisecond and accumulating those readings, the accuracy of the power monitoring is greatly improved over what can be accomplished through a limited I2C interface. Able to accumulate up to 512 data points, the ME (Management Engine) need only poll the XRP7725 for data every 0.5 seconds without losing information about the average power flow in the system. This feature can also be leveraged by any non-server applications requiring accurate dynamic power monitoring at all levels.

The XRP7725 joins Exar's Power^{XR} programmable power management family utilizing award winning patented power technology and design tools. This new programmable power system offers full control via a SMBus compliant I²C interface allowing for advanced local- and remote-reconfiguration, full performance monitoring and reporting, as well as fault handling. The output voltages can be programmed from 0.6V up to 5.5V without requiring any external components. The XRP7725 comes with the newly released PowerArchitectTM 5.1 design and configuration software which provides specific tools to quickly optimize the current monitoring.

"The XRP7725 provides server and networking design engineers a proven system power platform compatible with Intel® Node Manager," said James Loughheed, Exar's vice president, power management products. "Data center managers can now have deeper insight into power usage in the system by expanding the power system monitoring to the system rails as opposed to just the processor and memory without injecting prohibitive cost into their system. The days of data centers just monitoring power at the PDU or rack level will shortly be over."

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 XRP7725 is available now in a RoHS compliant, green/halogen free 7x7mm TQFN package and is priced from \$8.29 in 1000 piece quantities.

Additional Information

Additional information on the XRP7725 is also available online.

Additional information on Exar's Power^{XR} products are also available online.

About Exar

Exar Corporation designs, develops and markets high performance, analog mixed-signal integrated circuits and advanced sub-system solutions for the Networking & Storage, Industrial & Embedded Systems, and Communications Infrastructure markets. Exar's product portfolio includes power management and connectivity components, communications products, high performance analog mixed-signal 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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