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Exar Announces Industry's Lowest Power USB 2.0 4-Port and 7-Port Hub Controllers

- Feature low 100mA and 167mA supply current (4-port and 7-port) with all ports active

- Industry's smallest pin-count and footprint options for USB 2.0 seven and four port hubs

FREMONT, Calif., Oct. 6, 2016 /PRNewswire/ -- Exar Corporation (NYSE: EXAR), a leading supplier of analog mixed-signal products serving the industrial, infrastructure, automotive and audio video markets, today announced a family of USB 2.0 hubs that consume the least amount of power and require the smallest real-estate footprint in the industry. The [XR22404](#) and [XR22417](#) are designed for applications where power consumption and board space are a concern such as docking stations, point-of-sale terminals, USB port expansion, test instrumentation, factory automation and other industrial applications.

The XR22404 is a cost-effective USB 2.0 4-port hub controller that can be configured for downstream device charging and supports USB Battery Charging Specification 1.1 and 1.2. The XR22404 operates from either 3.3V or 5V supplies, allowing bus- or self-powered operation without an external LDO. Available in a tiny 4mm x 4mm, 24-pin QFN package, the XR22404 is the smallest USB 2.0 4-port hub controller on the market. It is also available in a 28-pin SSOP for less space-constrained applications.

The XR22417 is a USB 2.0 7-port hub controller that utilizes Multiple Transaction Translators (MTT) for the highest possible bandwidth. Like the 4-port device in the family, the XR22417 benefits from design optimization that minimizes power, size and cost to meet the challenging constraints facing connectivity and interface designers. The XR22417 is available in a 64-pin LQFP package as well as a smaller 48-pin LQFP.

The XR22404 and XR22417 are compatible with standard software drivers and include LED indicators to simplify implementation. Both controllers attach to upstream ports at hi-speed (480Mbps) or full-speed (12Mbps). The downstream PHYs support hi-speed, full-speed and low-speed (1.5Mbps) on each port.

"The XR224xx USB hub controllers offer a combination of low power, small size and low cost that is unmatched in the industry," said Colin Earle, senior director of product marketing at Exar. "System designers using these devices can easily add USB connectivity and stay within the stringent size, power and cost requirements of leading edge computing and industrial applications."

Pricing and Availability:

The XR22404 and XR22417 are available now in RoHS compliant and green packages. Pricing starts at \$0.89 (XR22404) and \$2.09 (XR22417) in quantities of 1,000. Samples and evaluation boards are available. For more information, visit <https://www.exar.com/product/interface/bridges/usb-hubs>

About Exar

Exar Corporation designs, develops and markets analog mixed-signal products for the industrial, infrastructure, automotive and audio video markets. Exar's broad product portfolio includes power management, signal conditioning, interface, display, data management and video processing solutions. Exar has locations worldwide providing real-time customer support. For more information, visit www.exar.com.

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To view the original version on PR Newswire, visit <http://www.prnewswire.com/news-releases/exar-announces-industrys-lowest-power-usb-20-4-port-and-7-port-hub-controllers-300340095.html>

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