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64-byte FIFO UARTs target battery-powered applications

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(12/12/2006 9:00 AM ET)

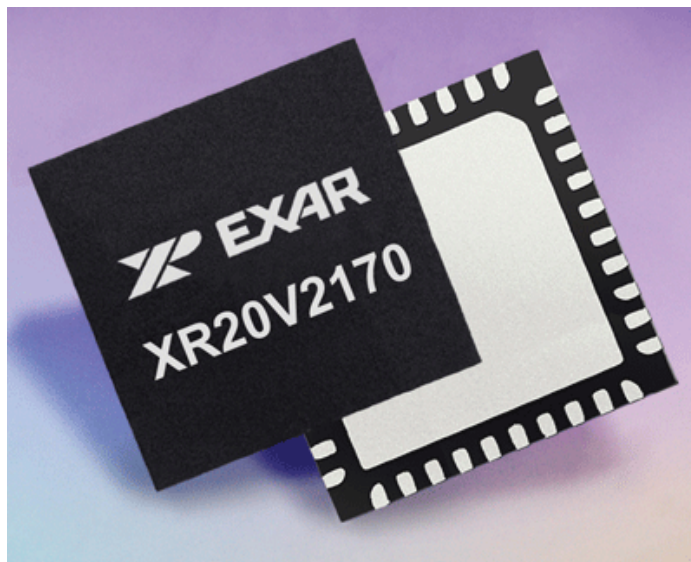
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 REPRINTS

Fremont, Calif.— Aimed at industrial, consumer and battery-powered applications, Exar Corp. is [sampling](#) a pair of I²C/SPI UARTs with 64-Byte FIFOs. The XR20V2170 integrates an [RS-232](#) transceiver, and the XR20M1170 is a low-voltage, 1.8-V device.

The XR20V2170 is a UART with 64 [byte](#) TX and RX FIFOs, a selectable I²C/SPI slave [interface](#) and RS-232 transceiver. The XR20V2170 operates from 2.97-V to 3.63-V. It offers additional features such as a programmable fractional baud rate generator, and 8X and 4X sampling rates that allows for a maximum [baud](#) rate of 1-Mbits/s at 3.3-V.

The XR20M1170 UART has 64 byte TX and RX FIFOs, a selectable I²C/SPI slave interface and operates from 1.62-V to 3.63-V. The enhanced features in the XR20M1170 include a programmable fractional baud rate generator, and 8X and 4X sampling rate that allows for a maximum baud rate of 16-Mbits/s at 3.3-V.

"The small package options of the XR20X series is a good fit for space constrained designs, and the lower pin count host interface simplifies design and layout issues and helps to accelerate the OEM's final system deployment," said Levent Ozcolak, vice president of marketing, Interface Products, in a statement. "The XR20V2170 offers a single-chip solution for a UART and RS-232 transceiver combination, which reduces cost and board space while providing a high-performance [serial](#) interface."



The XR20M1170 is offered in five packages: a 28-pin QFN, 24-pin QFN, 16-pin-QFN, 24-pin TSSOP, and a 16-pin TSSOP, and is priced in the \$2.00 range in 1,000 piece quantities.

Additional information on this product can be found at: www.exar.com/product.php?ProdNumber=XR20M1170.

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The XR20V2170 is offered in a 40-pin QFN package, and is priced in the \$3.00 range in 1,000 piece quantities.

Additional information on this product can be found at: www.exar.com/product.php?ProdNumber=XR20V2170.



[See related image](#)

Exar Corp., 1-510-668-7000, www.exar.com

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