



## **Exar Announces Family of High-Speed, Ultra-Low Power RS-485 Transmitters**

- Features low 180 $\mu$ A supply current at 3.3V with current shutdown mode reducing consumption to less than 2 $\mu$ A**
- Offers up to 20Mbps data rate, fast propagation delay and excellent package-to-package skew times for improved operation in clock distribution systems**
- Includes  $\pm$ 15kV ESD protection and +125 $^{\circ}$ C operation making them ideal for harsh industrial environments**

FREMONT, Calif., Oct. 18, 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 high-speed RS-485/RS-422 transmitters that combine low power, high performance, small packaging and high  $\pm$ 15kV ESD protection. This family is best suited for industrial applications such as multi-drop clock distribution, telecom networking, robotic control, process automation and local area network applications.

The [XR33193](#), [XR33194](#) and [XR33195](#) operate from a 3.3V supply and draw only 180 $\mu$ A (375 $\mu$ A maximum) of supply current. All transmitters feature a shutdown mode that consumes less than 2 $\mu$ A whenever the transmitters are disabled. The family is available in tiny 6-pin TSOT23 packages, ideal for high-speed point-to-point RS-485 applications where space is a concern.

The XR33193/94/95 occupy a 3mm x 3mm footprint and feature 250kbps, 2.5Mbps and 20Mbps data rates. The XR33193 and XR33194 have slew-limited outputs for reduced EMI and error-free communication over long or improperly terminated data cables and multi-drop applications with unterminated stubs. The XR33195 features fast 25ns propagation delay and 5ns driver-output skew. All three RS-485 transmitters feature  $\pm$ 15kV ESD protection on the driver outputs and operate over an extended temperature range of -40 $^{\circ}$ C to +125 $^{\circ}$ C. They also offer hot-swap glitch protection allowing live insertion without driving invalid data onto shared busses.

"These stand-alone drivers complement our recently announced family of RS-485 receivers the XR33180/81/83/84," said Dale Wedel, VP of high performance analog at Exar. "This tiny driver/receiver chipset is a simple solution for point-to-point RS-485 serial communication."

**Pricing and Availability:**

The XR33193, XR33194 and XR33195 are available now in an RoHS compliant and green TSOT23-6 packages. Pricing starts at \$0.55 in quantities of 1,000. For more information, visit <https://www.exar.com/products/interface/serial-transceivers/rs485-422>

**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](http://www.exar.com).

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