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Multiprotocol Transceiver Simplifies Industrial Designs & Supports Legacy Peripherals

- Supports broader range of RS-232 peripherals with wide $\pm 10V$ RS-232 driver output
- Reduces component count and saves board space as a result of integrated cable termination
- Supports full DB9 RS-232 or RS-485/RS-422 serial protocols from one IC

FREMONT, Calif., July 7, 2016 /PRNewswire/ -- Exar Corporation (NYSE: EXAR), a leading supplier of analog mixed-signal products serving the industrial, high-end consumer and infrastructure markets, expanded its family of single-chip RS-232/RS-485/RS-422 serial transceivers by adding the [XR34350](#). The XR34350 features a wide $\pm 10V$ RS-232 driver output that supports a wider range of RS-232 peripherals. Similar to the industry leading SP339, the XR34350 includes integrated cable termination and four configuration modes that allow all three protocols to be used interchangeably over a single cable or connector with no additional switching components. The RS-232 mode provides three drivers and five receivers to support all eight signals required for the DB9 serial port (3TX/5RX), while RS-485/422 modes include both half and full duplex (1TX/1RX).

The XR34350 operates from either a 3.3V or 5V supply, consumes only 2mA typical supply current, and offers a shutdown mode for low power (10 μ A) standby operation. The high speed drivers operate up to 20Mbps in RS-485/422 modes, and up to 1Mbps in RS-232 mode. All drivers can be slew limited to 250kbps in any mode to minimize electromagnetic interference (EMI).

"The XR34350 simplifies customer designs," said Dale Wedel, VP of high performance analog at Exar. "The wide driver output swing allows improved interoperability with older model bar code scanners, PS2 keyboards/mice, and other RS-232 peripherals."

All bus pins are protected against severe ESD events up to $\pm 15kV$ HBM (Human Body Model), $\pm 15kV$ IEC-61000-4-2 Air Gap, and $\pm 8kV$ IEC 61000-4-2 Contact Discharge.

Availability

The XR34350 is available now in a RoHS compliant, green/halogen free, space-saving

6mm x 6mm, 40-pin QFN package. Pricing starts at \$5.40 in quantities of 1,000. For more information, visit www.exar.com/products/interface/serial-transceivers/multiprotocol/dual-protocol.

About Exar

Exar Corporation designs, develops and markets analog mixed-signal products for the industrial and embedded systems communications, high-end consumer and infrastructure 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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