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16-channel line interface unit targets media gateways

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Fremont, California, Exar Corporation introduced the XRT83SL216 a 16-channel E1 Line Interface Unit (LIU) targeted at multi-service provisioning platforms (MSPPs), access devices, media gateways, routers, and frame relay access devices.

The XRT83SL216 contains 16 independent E1 channels, including independent jitter attenuators and data and clock recovery circuits for each channel. Each channel also supports local analog, remote and digital loopback modes and has on-chip HDB3 encoder/decoders. The device meets or exceeds popular networking specifications ITU G.703, G.775, ANSI T1.402, and the Bellcore GR-499 core. Other features of the family include a serial processor bus and a crystal-less jitter attenuator that can be switched into either the transmit or receive path.

The XRT83SL216 features patented high-impedance circuits that allow the transmitter outputs and receiver inputs to be placed in a high impedance mode when experiencing a power failure.

Samples of the part are available now. The XRT83SL216 in a 289 BGA operates at 3.3V with 5V tolerant I/Os over the industrial temperature range. In 1,000 piece quantities, the XRT83SL216 is priced at \$20.85. [Click here for the data sheet.](#)

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