

XTK-28/32 Crosstalk Modeling Platform

Fully test SERDES – Dial in channel optimization strategies – meaningful IBIS AMI simulations

FEATURES

- **Industry first Crosstalk Channel Modeling Package for creating real Crosstalk, not synthesized!**
- Family of ICR for common compliance specifications 802.3, CEI, USB 3.0, 10GBase-KR, SAS3, PCI Express Gen3, 40GbE, 100GbE, 16XFC
- Keysight ADS EDA Kit available
- S-parameter library for pre-silicon analysis
- Clean-pure crosstalk with no signal integrity structure set included
- Crosstalk with -5 and -10dB return loss for mimicking problem backplane channels
- Optional WRT skew matched cables pairs to use with ISI-28/32 for adding loss
- Works with ISI-28 Loss platform and WRT skew matched cables

APPLICATIONS

- SERDES Receiver Tolerance Testing
- IBIS AMI and Serial Link analysis
- Communication Channel Optimization using DFE, FFE, CTLE, and Gain Stage Elements
- Jitter Analysis and Benchmarking

RELATED PRODUCTS

- ISI-28/32 Loss platform

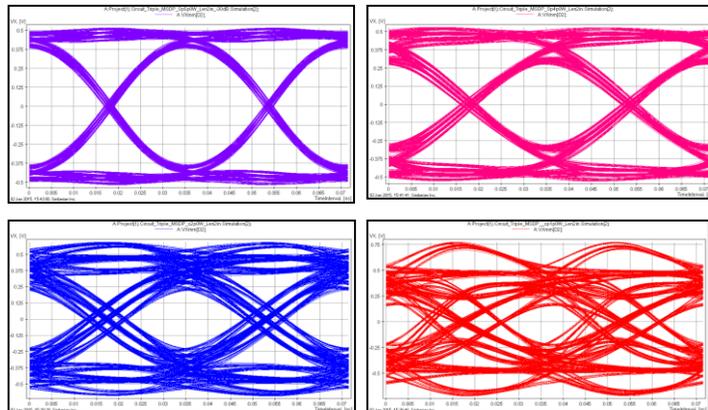
For details and to request a quote, please contact Wild River Technology Sales at the number below, or email us at info@wildrivertech.com.



The XTALK-32 is an industry first product consisting of a family of loss and Insertion-Crosstalk Ratio (ICR) designed to challenge 6-32 Gbpsec systems and PAM-4 56Gbpsec. ICR is a basic measure of signal versus crosstalk energy (similar to Signal/Noise) and provides 50 (very low XTALK) to 15 (very high XTALK) for both 10 and 28 Gbpsec systems. Crosstalk energy and Victim loss can further be tuned with optional pad kit. Structures can be combined with other platforms or on-board structures using optional low skew <1 psec matched cable kit.

The XTALK-32 package Includes:

- Assembled and 100% tested Platform
- EDA Design Kit for ADS including DFE, CTLE, Pre-emphasis using IBIS AMI and reference TX/RX
- S-parameter Library test for quality



Crosstalk at 28Gbpspec, PRBS11, Synchronous Aggressor, No Mode Conversion, 12 Port DIFF Pair

