



Signal Integrity Solutions



Direct Analysis. Unlimited System Diagnostics.

The Challenge

Ever increasing network data rates and speeds introduce new levels of signal integrity challenges for system designers. Consumer demand for bandwidth-intensive applications such as video-on-demand, mobile gaming, IPTV and more forces network and storage equipment to evolve and accommodate the higher data transfer rates.

The Solution

Vitesse addresses these complex signal integrity issues with VScope™ embedded waveform viewing technology. With this patented technology, signal integrity analysis capabilities are built into your IC chip. Engineers and system operators can scan data from within the IC itself in a manner similar to oscilloscopes and bit

error rate detectors. Offered in various Vitesse products, VScope can operate on any channel of live data, enabling unique capabilities for testing and system monitoring.

The Value of Choosing Vitesse

Vitesse brings over 25 years of experience in developing world-class connectivity solutions for a broad variety of applications from 100 Mbps to 10 Gbps and above. Our high-performance, mixed-signal CMOS technology provides superior signaling capabilities at the lowest power and cost. Contact your local Vitesse sales office to learn **how together we can solve your high-speed networking needs.**

PART NO.	DATA RATE	CHANNELS	DESCRIPTION
VSC7224	155 Mbps to 14.1 Gbps	Quad	Multirate adaptive channel extender with all-rate CRU
VSC8240	9.9 Gbps to 11.3 Gbps	Single	10 Gbps and 1 Gbps EDC CDR with VScope™
VSC8242	9.9 Gbps to 11.3 Gbps	Dual	10 Gbps and 1 Gbps SFI EDC CDR with VScope™ for fiber and copper applications
VSC8247	8.5 Gbps to 11.3 Gbps	Quad	CDR Receiver with EDC and VScope™ for backplane applications
VSC8248	8.5 Gbps to 11.3 Gbps	Quad	EDC with KR Output and VScope™

Vitesse Semiconductor Corporation

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