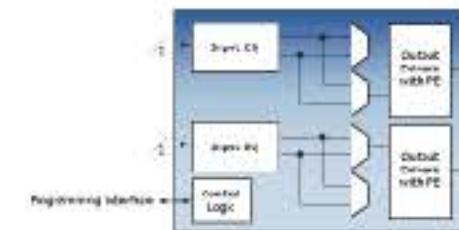



Home / Products / Backplane Transceivers / VSC7111

11.5 Gbps Quad Signal Conditioner Mux/Demux



VSC7111 is a high-performance, quad-channel asynchronous buffer that simplifies high-speed signal path designs (up to 11.5 Gbps) by providing Vitesse's industry-proven signal equalization at both the inputs and outputs. The device optimizes energy efficiency with innovative Green modes that lower power consumption at lower data rates. The VSC7111 device offers programmable, static, and adaptive equalization settings to provide a comprehensive solution for countering signal degradation over a wide variety of transmission cabling and interconnect transmission paths in broadcast video, telecommunications, storage, and server applications. VSC7111 is fully compatible with the latest server, interconnect, and storage protocols including PCI gen 1/2/3, 10GBASE-KR, and SAS/SATA. Loss of signal (LOS) detectors with programmable thresholds are included on every input port. Out-of-band (OOB) signal forwarding can be enabled on each output. The VSC7111 can be configured for pass-through 4-channel buffer, dual 2x2 matrix, dual 1:2 duocast, or dual 2:1 selector configurations. Power consumption can be optimized at lower data rates by using Vitesse's innovative Green modes. Power savings can be further optimized by deactivating unused channels and configuring the output level settings to the minimum effective value for a given application.

Product Variants		Description					
VSC7111XJW		32-pin 5 x 5 mm QFN lead-free second-level interconnect					
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Key Features

- Up to 11.5 Gbps asynchronous operation
- Energy-efficient Green modes
- Adaptive equalization

Applications

- High-speed cable equalization
- 10GBASE-KR signal cleanup
- 1.5G, 3G, and 6G SAS/SATA
- PCI-e Gen 1/2/3 blade servers

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IEEE 1588v2
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