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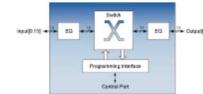Home » Products » Signal Integrity » Crosspoint Switches » VSC3316

PRODUCTS
Crosspoint Switches

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Signal Integrity
  Crosspoint Switches
  Signal Conditioners ›

Legacy

11.5 Gbps 16x16 Asynchronous Crosspoint Switch and Signal Conditioner

The VSC3316 is the industry's highest performance signal integrity crosspoint solution. The VSC3316 is uniquely capable of addressing a wide array of routing, switching, and signal integrity issues across storage, blade server, video distribution, telecommunications, and Ethernet applications. Featuring a 16×16 non-blocking, multicasting switch core with ports running at any rate up to 11.5G, the VSC3316 architecture provides protocol-transparent operation, allowing each channel to run independently. The VSC3316 supports a wide frequency range and virtually all data protocols. The VSC3316 incorporates Vitesse's latest fourth-generation input equalization and pre-emphasis I/O capability engineering for the industry's highest speed and protocol requirements. The device can perform signal fanout, loopback, and protection switching. It can also regenerate signals brutally compromised by losses in the transmission medium. Vitesse's equalization works independently of the data rate, providing highly effective compensation for deterministic jitter across a wide range of high-speed interconnect applications.

Product Variants	Description
VSC3316YYP	Lastest generation lead-free, 11.5 Gbps operation, 196-pin 15 x 15 mm FCBGA
VSC3316YYP-60	Lastest generation lead-free, 6.5 Gbps operation, 196-pin 15 x 15 mm FCBGA
VSC3316XYP	[Obsolete] 11.5 Gbps operation, 196-pin 15 x 15 mm FCBGA lead-free second-level interconnect only
VSC3316YP	[Discontinued] 11.5 Gbps operation, 196-pin 15 x 15 mm FCBGA
VSC3316XYP-60	6.5 Gbps operation, 196-pin 15 x 15 mm FCBGA lead-free second-level interconnect only

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- 10GE PHYs

+ **Key Features**

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