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Vitesse Enables Converged Ethernet Model for Enterprise

Industry's Lowest Power 11-port Gigabit Ethernet Switch Integrates VeriTime for Industrial Ethernet and Enterprise Routing Applications

CAMARILLO, Calif.--(BUSINESS WIRE)-- [Vitesse Semiconductor Corporation](#) (NASDAQ: VTSS), a leading provider of advanced IC solutions for **Carrier and Enterprise networks**, introduced today the [VSC7414](#), an 11-port **Gigabit Ethernet switch** targeted at low power Industrial Ethernet and Enterprise applications. Dissipating a total of 1.6W — 75% lower than the competition — the VSC7414 is optimized for power-sensitive Enterprise router applications and is the latest device from Vitesse to include [VeriTime™ IEEE1588v2](#) technology. The new switch is the industry's lowest power and size solution supporting more than eight queues per port along with priority flow control ([IEEE 802.1Qbb](#)) mechanism for advanced **Quality of Service (QoS)**, critical for network equipment performance.

"Similar to Carrier networks, Enterprise networks are converging on Ethernet," said Uday Mudoi, director of product marketing at Vitesse. "This raises the importance of IEEE1588v2 network timing as the data center becomes packet-based. Our customers focused on Industrial Ethernet and Enterprise networking can now leverage Vitesse's highly accurate IEEE1588v2 VeriTime technology, already adopted by dozens of telecom customers for mobile backhaul applications."

Multiple analysts forecast IEEE1588v2 to be the dominant synchronization technology for mobile networks by 2015. This precise timing synchronization method is also finding use in electrical substations and power automation networks. Vitesse's **sub-10 nanosecond-accurate** VeriTime technology, combined with very low power consumption and industrial temperature range support, makes the VSC7414 ideal for such applications. The VSC7414's support of the nanosecond-accurate synchronization in IEEE1588v2 network timing also makes it ideal for **utility/smart grid** and emerging **Audio Video Bridging (AVB)** applications where precision timing is required.

The VSC7414 is the newest addition to the widely deployed **SparX-III™** family of switches, leveraging Vitesse's field-proven SparX-III and **E-StaX-III™** switch architectures. The VSC7414 also includes Vitesse [EcoEthernet™ v2.0](#) technology to meet green standards such as [IEEE 802.3az](#) and embedded MIPS processor from prior generation devices. Complementary product offerings include [VSC7420](#), [VSC7424](#) and [VSC7428](#) for **SME** and [mobile backhaul](#) applications.

Product Details and Availability

The VSC7414 is available for sampling immediately. More device information is available at: www.vitesse.com/products/product.php?number=VSC7414.

Learn more about VeriTime at www.vitesse.com/VeriTime.

About Vitesse

Vitesse (NASDAQ: VTSS) designs a diverse portfolio of high-performance semiconductor solutions for Carrier and Enterprise networks worldwide. Vitesse products enable the fastest-growing network infrastructure markets including Mobile Access/IP Edge, Cloud Computing and SMB/SME Enterprise Networking. Visit www.vitesse.com or follow us on Twitter @VitesseSemi.

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