Vitesse Jaguar Family of Switches and MACs Revolutionizes Carrier Ethernet Networks

Intelligent, Flexible Architecture Is Key to Transition Global Carrier Networks to Ethernet

PARIS - February 09, 2010 - Vitesse Semiconductor Corporation (Pink Sheets: VTSS.PK) today introduced the Jaguar family of Ethernet devices designed specifically for service provider Carrier Ethernet applications. Utilizing a new architecture from Vitesse, this family offers an optimized feature set that is critical for transitioning today’s TDM circuit-switched networks to modern, packet-based Ethernet networks. This transition enables carriers worldwide to provide expanded services to users of wired and wireless networks. With the Jaguar™ family of devices, Ethernet services are delivered faster with greater flexibility and at a lower cost.

Vitesse’s years of experience in Ethernet architectures position the Company to enable the migration from SONET/SDH to packet-based networks. The Jaguar family implements the industry’s only architecture incorporating advanced service features such as full IEEE-1588 functionality and OAM (Operations, Administration, and Maintenance). Delivering advanced Ethernet timing support compatible with Synchronous Ethernet and IEEE-1588v2, the architecture achieves accurate network timing references over packet networks, which is particularly important in mobile backhaul applications. Additionally, the architecture is the first to provide OEVMs and service providers with five-9’s of reliability over packet-based networks – including delivery of real-time multimedia services.

This service-aware architecture is designed to map client traffic to any of the thousands of services, with each individual service offering Metro Ethernet Forum (MEF)-compliant policing, scheduling, and traffic shaping. A single chip provides thousands of policers and as many as 50,000 statistics to ensure and monitor Service Level Agreements. This results in unprecedented flexible service differentiation and support, allowing providers to easily deploy services such as E-Line, E-Tree, and E-LAN.

The Jaguar family launches with four devices – two Carrier Ethernet switches: Jaguar (VSC7460) and LynX™ (VSC7462) and two Media Access Controllers (MACs): CE-MaX-24 (VSC7364) and CE-MaX-12 (VSC7366). To deliver carrier-grade reliability, these devices afford hardware-generated continuity checking for Port, Link, Tunnel, and Service protection. The fast link failure detection and exclusive path protection mechanism provide reliable 50mS protection switching performance critical to carrier networks.

The Jaguar switches integrate multiple ports of Gigabit Ethernet with advanced traffic-shaping features for service-aware networks. Providing more on-chip resources for policing and statistics than any other products in their class, Vitesse’s Jaguar and LynX switches support all popular connection-oriented and connectionless network protocols, including Provider Bridging, Provider Backbone Bridging (PBB), Provider Backbone Bridging with Traffic Engineering (PBB-TE), and Multi-Protocol Label Switching – Transport Profile (MPLS-TP). Offering a dense alternative for constrained rack space, the Jaguar has 24 10/100/1000 Mbps Ethernet ports and four 10 Gigabit Ethernet XAUI ports. The LynX is a 12-port version with dual 10 Gigabit ports and the XAUI ports can be configured as four 2.5 Gbps interfaces.

The Vitesse Carrier Ethernet MACs are pin compatible with its switch devices. The MACs are available with two port counts: 24 Gigabit Ethernet ports with four 10 Gigabit ports or 12 Gigabit Ethernet ports with two 10 Gigabit ports. These MACs boast all the service-aware and traffic engineering features of Jaguar and LynX, yet are intended for delivering Ethernet services over SONET and packet optical networks.

These new Jaguar devices make Vitesse the only company capable of delivering the breadth and depth of Carrier Ethernet solutions for tomorrow’s telecom arena, including physical layer devices, signal integrity solutions, Ethernet-over-SONET (EoS) mappers, OTN framers, carrier-grade MACs and Carrier Ethernet switches,” said Uday Mudoi, director of product marketing for Vitesse. “By integrating specific carrier grade features into Vitesse’s highly successful line of Ethernet switches and carrier grade MACs, Vitesse is bringing the most feature rich and integrated Carrier Ethernet switch and MAC combination to market.”

Vitesse will soon announce another family of Ethernet switch products specifically designed for carrier access applications such as mobile backhaul. These carrier access switches share the same software API as the Jaguar family.

For more information visit Vitesse’s Carrier Ethernet website: www.vitesse.com/ce

Availability and Pricing
Vitesse will begin sampling these devices to lead customers in Q2 2010. Production pricing will range from $150 to $60 based on device selection.

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Participation at MPLS & Ethernet World Congress 2010 and CE Video Series

Vitesse will showcase Carrier Ethernet demonstrations featuring IEEE 1588v2 timing, ring protection, PB/PBB/PBB-TE, and OAM at its booth (#109) during MPLS & Ethernet World Congress 2010. Morteza Ghodrat, director of Carrier Ethernet for Vitesse, will present a technical paper titled “Carrier Ethernet Transport: The Roles for PBB and MPLS” on February 9, 2010 at 15:00.

Mr. Ghodrat is also featured in a video series on Carrier Ethernet which can be viewed at http://www.vitesse.com/ce/ce_videos.php. The series launches with three videos: The Carriers’ Challenge; Managing Bandwidth; and The Best Approach with Carrier Ethernet.

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