

## **Industry's Lowest Latency, Highest Density, Multi-service 10G Solution**

Vello Systems announces the introduction and availability of its ultra-low latency, high-density, 10G CX50T service card. Designed for the company's CX Family of cloud infrastructure systems, the CX50T operates in either the 16-slot CX16000 system or the 5-slot CX4000 system providing the industry's lowest latency 10G networking performance combined with the highest 10G densities. The CX50T is optimized for intra-metro applications and is part of Vello Systems growing solutions portfolio for intra- and inter-metro low-latency networking.

As applications increasingly migrate to the Cloud, and new cloud-based applications and services emerge, network latency, or rather the delay incurred by the network itself, is a growing concern. Especially in high-frequency trading or algorithmic trading environments, or in distributed storage environments, network latency is a prime concern. In these cases, reducing network latency by microseconds or even nanoseconds has significant impact on transaction velocity and business processes and transaction velocity. The new CX50T service card delivers sub-5 nanosecond performance at 10G speeds and is purpose-built for these environments.

Equipped with five (5) pluggable multi-service 10G client-side interfaces, the CX50T is engineered for pay-as-you-grow operation and maximum flexibility. Each client interface is software programmable via the VelloSTM operating system for 10 Gigabit Ethernet, Fiber Channel, or SONET/SDH, ensuring maximum usability and investment protection. This flexibility benefits in particular customers seeking a high-performance future-proof path for their Fiber Channel-based storage resources as they migrate to Ethernet.

"Cloud computing and cloud-based services are placing significantly greater demands on network infrastructure, not only for capacity, but also for a higher level of responsiveness," said Rick Talbot, senior analyst, optical infrastructure at Current Analysis. "Vello Systems' new CX50T addresses the economic, space and low-latency requirements for 10G services that are likely to be the mainstay for connections within service providers' and enterprises' cloud infrastructures."

The CX50T service card is fully-manageable along with all other CX Family service cards and accessories through the Vello Systems' CloudMaster™ management and provisioning system. CloudMaster provides an easy-to-use GUI-based system to control and monitor all system elements. CloudMaster also serves as the primary interface to higher layer network and IT systems via northbound programmatic interfaces including SNMP and XML.

"The new 10G performance and density benchmarks established by the CX50T represent significant industry achievements," said Karl May, Vello Systems President and CEO. "These achievements translate directly into new networking

## **Industry's Lowest Latency, Highest Density, Multi-service 10G Solution**

Published on Electronic Component News (<http://www.ecnmag.com>)

---

capabilities and a greater competitive edge for our service provider and enterprise customers."

**Source URL (retrieved on 07/22/2014 - 8:38pm):**

<http://www.ecnmag.com/product-releases/2011/01/industrys-lowest-latency-highest-density-multi-service-10g-solution>