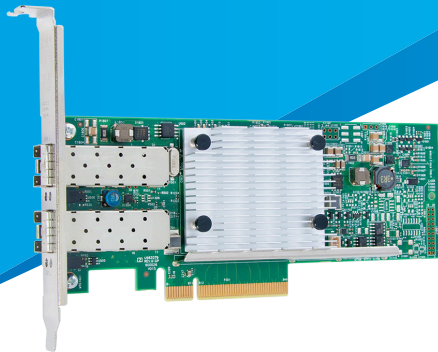


QLogic iSCSI Hardware Offload Boosts Virtual Server Performance

QLogic FastLinQ 8400 Series 10Gb Ethernet Converged Network Adapters



iSCSI hardware offload enables up to 75% better CPU performance, boosting virtual server density and performance

KEY BENEFITS

QLogic® FastLinQ® 8400 Series Converged Network Adapters:

- Hardware offloads for iSCSI storage data traffic enable up to 75% more CPU cycles for higher virtual machine density and greater performance.
- Over 1.5 million iSCSI IOPS for high performance environments.
- Superior to software initiator solutions which consume CPU cycles for I/O processing and limit virtual environments.
- Line-rate 10GbE performance across both adapter ports.
- Industry-leading iSCSI storage transactional performance.

EXECUTIVE SUMMARY

QLogic FastLinQ 8400 Series Converged Network Adapters (CNAs) support simultaneous LAN (TCP/IP) and SAN [Fibre Channel over Ethernet (FCoE) and iSCSI] traffic at 10Gbps Ethernet (10GbE) line rate speeds. QLogic FastLinQ 8400 Series CNAs also optimize host CPU usage with full hardware offloads that free CPU cycles for use with other applications and allow greater virtual machine density.

High Performance and Minimal CPU Utilization

Software-based iSCSI initiators consume CPU cycles when handling I/O-intensive workloads, leaving little headroom for growing applications and virtual environments. Unlike software-based solutions, QLogic FastLinQ 8400 Series CNAs fully offload the iSCSI and TCP/IP stacks.

As a result, QLogic FastLinQ 8400 Series CNAs do not compete for CPU processing cycles with upper-layer applications such as e-mail or Web applications—the iSCSI performance is unaffected by application workload. This enables up to 75% more CPU cycles for greater performance in virtual and physical environments.

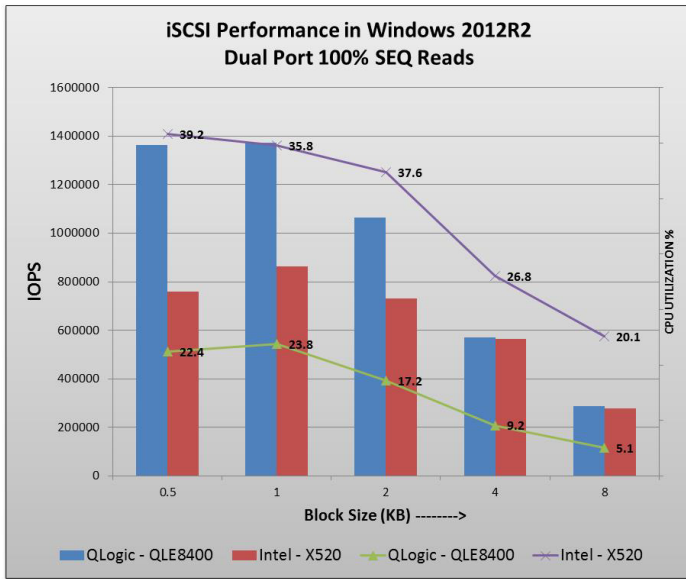


Figure 1. QLogic FastLinQ 8400 Series CNAs deliver up to 75% better performance by freeing valuable CPU cycles to power applications and more virtual machines. (QLogic’s iSCSI offload versus Intel 10GbE adapter with iSCSI software initiator)

High Reliability and Unified Management

The iSCSI header/data digest computation with FastLinQ 8400 Series CNAs prevents data corruption that can occur in large networks with multiple switch hops so they can be used in a wide variety of IP network topologies.

In addition, the QLogic® Control Suite (QCS) for Linux and Windows provides local and remote graphical user interface (GUI) management for QLogic 57xx/57xxx adapters, including the QLogic FastLinQ 3400 Series 10GbE adapters and FastLinQ 8400 Series CNAs. The QCS command

line interface (CLI) for Linux and Windows provides local and remote scriptable management for QLogic 57xx/57xxx adapters, including QLogic FastLinQ 3400 Series 10GbE adapters and FastLinQ 8400 Series CNAs. The QConvergeConsole (QCC) VMware® vCenter™ Plug-in provides centralized GUI management of all QLogic adapters. These tools provide administrators with a single management platform for comprehensive network and storage I/O management.

TRUSTED SOLUTIONS

QLogic is a global leader and technology innovator in high-performance server and storage networking connectivity and application acceleration solutions. QLogic’s leadership in product design and software stack maturity make it the top choice of leading OEMs, including Cisco®, Dell®, EMC®, Hitachi®, Hitachi Data Systems®, HP®, IBM®, Lenovo®, NetApp®, and Oracle®, as well as channel partners worldwide, for virtualized, converged, and cloud environment deployments.

QLogic offers complete solutions to some of the most complex issues facing the data center. To visit the QLogic Solutions Web page, click “QLogic Solutions” under the Solutions tab at <http://www.qlogic.com>.

ABOUT CAVIUM

Cavium, Inc. (NASDAQ: CAVM), offers a broad portfolio of infrastructure solutions for compute, security, storage, switching, connectivity and baseband processing. Cavium’s highly integrated multi-core SoC products deliver software compatible solutions across low to high performance points enabling secure and intelligent functionality in Enterprise, Data Center and Service Provider Equipment. Cavium processors and solutions are supported by an extensive ecosystem of operating systems, tools, application stacks, hardware reference designs and other products. Cavium is headquartered in San Jose, CA with design centers in California, Massachusetts, India, Israel, China and Taiwan.



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