![CAVIUM logo]

Investment Protection—Single Adapter for a Server's Lifetime

QLogic I/OFlex Technology—Any I/O, Any Network

QLogic adapters give customers the confidence to deploy their IT solutions, minimizing their total cost of ownership, mitigating their risk, and protecting their infrastructure investments.

INDUSTRY TRENDS

There are more applications and users, and the amount of data continues to grow. IT data center environments are becoming increasingly complex. Businesses need to support multiple protocols, heterogeneous infrastructures, and increasing virtualization of storage and networks. In addition, business managers must plan, integrate, and manage next-generation technology platforms.

Data center managers need flexible solutions that allow them to experiment with new converge and cloud technologies while providing complete investment protection and backward compatibility with proven Fibre Channel-based enterprise solutions. For these reasons, data center managers need to deliver high-performance and reliable infrastructures that are simple to manage and cost effective.

THE CHALLENGE

The importance of I/O performance and reliability has never been greater. Next-generation server attachment has to support heterogeneous environments, multiprotocol I/O, higher levels of virtualization, and cloud computing deployments. These requirements drive the need for high-performance I/O, flexibility of deployment, investment protection, backward compatibility, and ease of use. Networked storage will be a key component to solving the data center's demand for higher bandwidth. Converged networks and traditional Fibre Channel SANs enable enterprise businesses to meet these challenges. Enterprises continue to rely heavily on Fibre Channel as a trusted storage technology in virtualized server environments, while wanting to experiment with new converge network solutions. With limited and tight IT budgets, data center managers want solutions to be future proofed for newer technologies while allowing instantaneous rollback to proven solutions.

QLOGIC I/OFLEX TECHNOLOGY: DUAL PERSONALITY

Now imagine:

- A single slot over the lifetime of a server to connect discrete SAN, LAN, or converged networks

- Eliminating rip-and-replace

- Spending less time managing and maintaining your infrastructure and more time enhancing your infrastructure

- A more agile server I/O connectivity solution that supports the virtualized data center of today and tomorrow

- Having enough bandwidth to provide reliable and consistent I/O performance for your virtual servers and applications

- Protecting your investments that support today's technology and allow you to future proof for emerging technology trends

- Migrating your infrastructure to consolidated, converged, and cloud networks—at your own pace

Investment Protection—Single Adapter for a Server's Lifetime

QLogic® FlexSuite™ Adapters are dual personality and fit seamlessly into current installations as a 16Gb Gen 5 Fibre Channel Adapter today and provide end-user field upgradeability to a 10Gb Ethernet (10GbE)-based Converged Network Adapter in the future.

FlexSuite Adapters feature QLogic I/OFlex™ technology, a field-configurable upgrade that allows end users to use the same hardware for 16Gb Gen 5 Fibre Channel or 10GbE server connectivity. Unlike "rip-and-replace" and "pay-as-you go" alternatives, QLogic I/OFlex technology provides organizations with a future-proof approach to building agile infrastructures, protecting existing Fibre Channel investments and delivering a simplified and cost-effective path to network convergence. The FlexSuite Fibre Channel Adapter personality includes support for advanced features, such as virtual Fibre Channel in Windows Server™ 2012 Hyper-V™ and priority N_Port ID virtualization (NPIV). The FlexSuite Converged Networking Adapter personality provides unique 10GbE bandwidth management features, including NIC Partitioning (NPAR) combined with granular Quality of Service (QoS). The FlexSuite Converged Networking Adapter also supports multiple protocols concurrently (NIC, FCoE, and iSCSI).

The QLogic 2600 Series 16Gb Gen 5 Fibre Channel Adapters boast industry-leading native Fibre Channel performance—achieving dual-port, line-rate, 16Gb Gen 5 Fibre Channel throughput—at extremely low CPU utilization with full hardware offloads. This extreme performance eliminates potential I/O bottlenecks in today's powerful multiprocessor, multicore servers. In addition, support for powerful virtualization features make this adapter ideal for virtualized environments that need excellent I/O performance to service growing numbers of virtual machines (VMs).

Integrated support for key Brocade features enables data center managers to reduce operating expenses and total cost of ownership by accelerating deployment, increasing performance and simplifying management of Gen 5 Fibre Channel SANs featuring Brocade Fabric Vision technology and QLogic 2600 Series Adapters.

CUSTOMER BENEFITS

QLogic FlexSuite Adapters provide organizations with the ability to use a single adapter through the lifetime of a server—for Fibre Channel Tier-1 SAN today or an Ethernet-based network in the future.

QLogic solutions deliver customers peace of mind knowing that they are using the most stable, reliable, and interoperable products available. QLogic adapters give customers the confidence to deploy their IT solutions, minimizing their total cost of ownership, mitigating their risk, and protecting their infrastructure investments. The unique QLogic I/OFlex technology allows customers to extend the useful life of their servers, helping them get the most out of their IT investment dollars.

Deploy a Single Adapter for the Lifetime of a Server

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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