



## COMPETITIVE BRIEF

# Adapter of Choice for the IBM BladeCenter

---

## QLogic 8Gb Fibre Channel Expansion Card (C10v) Outperforms Emulex

### Key Benefit

The QLogic 8Gb Fibre Channel Expansion Card (C10v) provides more efficient power consumption, superior application performance, and easier management compared to Emulex's C10v adapter.

## Industry Challenges

IBM® BladeCenter® delivers the high performance, reliability, and flexibility needed for the most demanding IT environments. However, the slim design of blade servers severely limits the number of installed I/O adapters, raising the possibility of I/O bottlenecks. While blade servers provide power-efficient compute capacity, their density requires specific considerations for power and cooling in data centers. In addition, increased server density adds to the challenges of deploying and managing the enterprise network. The IT manager needs an adapter that provides the best balance to solve these business demands.

### QLogic's 8Gb Fibre Channel Expansion Card (C10v) Advantages

#### • Efficient Power Consumption

QLogic's Dynamic Power Management technology enables its C10v adapter to operate at the lowest power dissipation. The Emulex C10v adapter generates more heat and requires a heat sink to achieve minimum operational reliability.

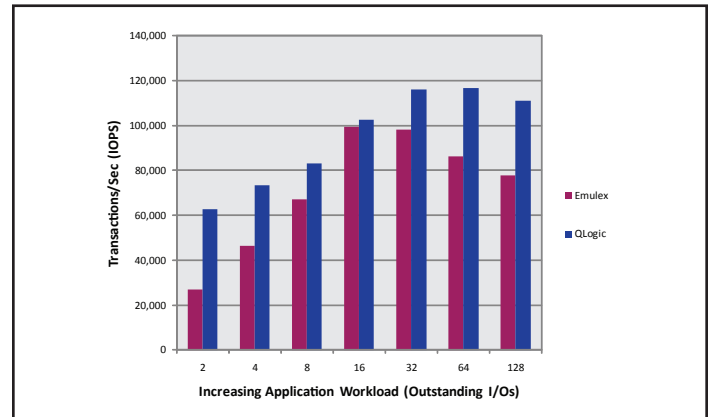
#### • Superior Application Performance<sup>1</sup>

The QLogic C10v ensures data center applications meet and exceed SLAs by providing up to 57 percent more online transactions per second in Microsoft Exchange® transactions compared to Emulex. In Linux® environments, QLogic's C10v demonstrates up to 44 percent higher IOPS across typical transactional enterprise workloads compared to Emulex.

#### • Simplified Adapter Configuration and Management

The QLogic adapter management interface is fully integrated with IBM UEFI Server Management platform and BOFM. QLogic UEFI HII is logically placed in the storage menu of the IBM UEFI, enabling an intuitive way of managing and deploying blades and configuring boot from SAN.

<sup>1</sup>In head-to-head power and performance measurements of the QLogic QLE2562 and the Emulex LPe12002 8Gb Fibre Channel Adapters.



Microsoft Exchange 2007 Performance

## Key Differences

### Most Reliable Adapter

- IBM has shipped more than 50,000 QLogic® 8Gb Fibre Channel Expansion Cards (C10v) to date with less than a 1 percent failure rate
- QLogic's C10v card offers an 80 percent power efficiency advantage compared to Emulex®, providing significant cost savings

| Power Consumption <sup>1</sup> | QLogic | Emulex | QLogic Advantage |
|--------------------------------|--------|--------|------------------|
| 8Gb Dual-Port Host Bus Adapter | 4.9W   | 8.8W   | 80%              |

### Fast Server Boot Times

- QLogic's C10v card provides fine-grained boot-time target discovery options

### Unified Driver/Firmware Model

- The QLogic model bundles the firmware with the driver and eliminates interoperability issues
- The Emulex adapter requires coordination between driver and firmware release levels, increasing the potential for compatibility issues



Corporate Headquarters QLogic Corporation 26650 Aliso Viejo Parkway Aliso Viejo, CA 92656 949.389.6000 [www.qlogic.com](http://www.qlogic.com)

International Offices UK | Ireland | Germany | France | India | Japan | China | Hong Kong | Singapore | Taiwan

© 2011 QLogic Corporation. Specifications are subject to change without notice. All rights reserved worldwide. QLogic and the QLogic logo are registered trademarks of QLogic Corporation. Emulex is a registered trademark of Emulex Corporation. IBM and BladeCenter are registered trademarks of International Business Machines Corporation. Linux is a registered trademark of Linus Torvalds. Microsoft Exchange is a registered trademark of Microsoft Corporation. All other brand and product names are trademarks or registered trademarks of their respective owners. Information supplied by QLogic Corporation is believed to be accurate and reliable. QLogic Corporation assumes no responsibility for any errors in this brochure. QLogic Corporation reserves the right, without notice, to make changes in product design or specifications.