

# QLogic Adapters for Fujitsu PRIMERGY and PRIMEQUEST Servers



PRIMERGY Servers						PRIMEQUEST Servers					
QLogic Model	FC Ports	FC Speed	Form Factor	StorFusion Technology	Fujitsu Part Number	QLogic Model	FC Ports	FC Speed	Form Factor	StorFusion Technology	Fujitsu Part Number
QLE2690	Single	16Gb	PCIe	Yes	S26361-F5580-E1, -L501	QLE2690	Single	16Gb	PCIe	Yes	MC-0JFCD2, MCX0JFCD1
QLE2690 LP	Single	16Gb	PCIe (LP)	Yes	S26361-F5580-E201, -L501	QLE2690 LP	Single	16Gb	PCIe (LP)	Yes	MC-0JFCD1, MCX0JFCD1
QLE2692	Dual	16Gb	PCIe	Yes	S26361-F5580-E2, -L502	QLE2692	Dual	16Gb	PCIe	Yes	MC-0JFCE2, MCX0JFCE1
QLE2692 LP	Dual	16Gb	PCIe (LP)	Yes	S26361-F5580-E202, -L502	QLE2692 LP	Dual	16Gb	PCIe (LP)	Yes	MC-0JFCE1, MCX0JFCE1
QLE2670	Single	16Gb	PCIe	Yes*	S26361-F5313-E1, -L501	QLE2670	Single	16Gb	PCIe	Yes*	MC-0JFCB2, MCX0JFCB1
QLE2670 LP	Single	16Gb	PCIe (LP)	Yes*	S26361-F5313-E201, -L501	QLE2670 LP	Single	16Gb	PCIe (LP)	Yes*	MC-0JFCB1, MCX0JFCB1
QLE2672	Dual	16Gb	PCIe	Yes*	S26361-F5313-E2, -L502	QLE2672	Dual	16Gb	PCIe	Yes*	MC-0JFCC2, MCX0JFCC1
QLE2672 LP	Dual	16Gb	PCIe (LP)	Yes*	S26361-F5313-E202, -L502	QLE2672 LP	Dual	16Gb	PCIe (LP)	Yes*	MC-0JFCC1, MCX0JFCC1
QLE2560	Single	8Gb	PCIe	No	S26361-F3631-E1, -L1	QLE2560	Single	8Gb	PCIe	No	MC-0JFC52, MCX0JFC52
QLE2560 LP	Single	8Gb	PCIe (LP)	No	S26361-F3631-E201, -L201	QLE2560 LP	Single	8Gb	PCIe (LP)	No	MC-0JFC51, MCX0JFC51
QLE2562	Dual	8Gb	PCIe	No	S26361-F3631-E2, -L2	QLE2562	Dual	8Gb	PCIe	No	MC-0JFC62, MCX0JFC62
QLE2562 LP	Dual	8Gb	PCIe (LP)	No	S26361-F3631-E202, -L202	QLE2562 LP	Dual	8Gb	PCIe (LP)	No	MC-0JFC61, MCX0JFC61

\* QLogic QLE2670 and QLE2672 Gen 5 FC Adapters from Fujitsu do not include the full suite of QLogic StorFusion™ features for advanced SAN management that are available in the QLE2690 and QLE2692 Enhanced Gen 5 FC Adapters.

## QLOGIC AND FUJITSU

Continued collaboration between QLogic® and Fujitsu® demonstrates an ongoing commitment to satisfy enterprise-class server and storage requirements created by advanced computing platforms and performance-intensive enterprise applications. QLogic is a longstanding, trusted provider of high performance Fibre Channel (FC) connectivity solutions for Fujitsu Server PRIMEQUEST® and Fujitsu Server PRIMERGY® systems.

## INNOVATIVE GEN 5 (16GB) FIBRE CHANNEL SOLUTIONS FOR FUJITSU SERVERS

The QLogic QLE2690 Single-port and QLE2692 Dual-port Enhanced Gen 5 FC Adapters for Fujitsu PRIMEQUEST and PRIMERGY servers are designed for enterprise data centers that require the

ultimate in FC performance, power efficiency, reliability, and investment protection for demanding virtualized and private cloud environments.

- 16Gbps FC per port maximum throughput for high-bandwidth SAN traffic and low latency to maximize all-flash array (AFA) technology
- Higher per port performance than earlier releases of Gen 5 FC with up to 650K IOPS per port (up to 1.3 million IOPS for dual-port)
- Lower operational expenditures (OPEX) with 75% lower power utilization than the competition<sup>1</sup>

<sup>1</sup> [QLogic Enhanced Gen 5 Delivers Exceptional Value](#), October 2016

- Improvements in total cost of ownership (TCO) with StorFusion technology, offering streamlined deployment, end-to-end diagnostics, and quality of service (QoS) optimization when used in conjunction with supported Brocade switches
- High-availability port isolation architecture for 100% predictable, deterministic and scalable performance
- Overlapping protection domains (OPD) to ensure a high level of reliability as data moves to and from the PCI bus and FC network

## STORFUSION TECHNOLOGY FOR SMARTER SAN MANAGEMENT

The QLE2670/QLE2626 Gen 5 FC Adapters and the QLE2690/2692 Enhanced Gen 5 FC Adapters for Fujitsu servers support StorFusion technology offering comprehensive port diagnostics, rapid provisioning, and guaranteed performance service-level agreements (SLAs) when used in conjunction with Brocade Gen 5 FC Fabric.

StorFusion technology provides the following key features:

- **Brocade ClearLink Diagnostic Port (D\_Port)** – Quickly run automated diagnostic tests in a single step, across multiple QLogic 2700 and 2600 Series Adapters, servers, and fabric components to assess connectivity. Optics and cable problems are identified and resolved.
- **Read Diagnostic Parameters (RDP)\*** – Identify the source of network and media errors like cyclic redundancy check (CRC) and loss of sync (LOS) by remotely accessing diagnostic information from anywhere in the fabric.
- **Link Cable Beacon (LCB)\*** – LED beaconing for ports on both ends of a physical link simplifies cable identification and management.
- **Fabric-assigned Port Worldwide Name (FA-WWN) and Fabric-based Boot LUN Discovery (F-BLD)** – QLogic adapters can now acquire port WWN addresses from a pre-configured Brocade fabric thus reducing fabric reconfiguration when adding or replacing servers.

- **Forward Error Correction (FEC)\*** – FEC improves performance and link integrity to support higher end-to-end data rates by automatically recovering from transmission errors.
- **Class-specific Control (CS\_CTL)-based QoS** – Extending QoS from the fabric to the host helps alleviate network congestion using industry-standard CS\_CTL technology, enabling users to rapidly scale their virtual environments and increase optimization and efficiency without compromising SLAs.
- **Enhanced Fabric Device Management Interface (FDMI), Fibre Channel Ping (FC Ping) and Fibre Channel Traceroute (FC Traceroute)** – Quickly check connectivity to SAN devices and query the switch management server for in-depth details on connected devices.

\*Features available only on QLogic QLE2690 Single-port and QLE2692 Dual-port Enhanced Gen 5 FC Adapters from Fujitsu.

## RESOURCES

- QLogic Fujitsu Microsite: <http://www.qlogic.com/OEMPartnerships/Fujitsu/Pages/FujitsuOEMPartnership.aspx>
- Fujitsu QLE2690/QLE2692 Fibre Channel HBA for PRIMERGY Servers Web Page: <http://www.fujitsu.com/fts/products/computing/servers/primergy/components/pmod-182653.html>
- Fujitsu QLE2690/QLE2692 HBA Data Sheet: <http://sp.ts.fujitsu.com/dmsp/Publications/public/ds-FC-16Gbit-QLogic-QLE2690-2692.pdf>
- QLogic StorFusion Technology Web Page: <http://www.qlogic.com/Products/adapters/Pages/QL2600SeriesFW.aspx>

## CONTACTS

### EMEA Sales:

Thomas Pfeffer  
[Thomas.Pfeffer@cavium.com](mailto:Thomas.Pfeffer@cavium.com)

### EMEA Presales:

Stefan Schiechl  
[Stefan.Schiechl@cavium.com](mailto:Stefan.Schiechl@cavium.com)

### APJ Sales:

Minoru Yachiyama  
[Minoru.Yachiyama@cavium.com](mailto:Minoru.Yachiyama@cavium.com)

### APJ Presales:

Shiro Yada  
[Shiro.Yada@cavium.com](mailto:Shiro.Yada@cavium.com)



Follow us:        Share:

Corporate Headquarters Cavium, Inc. 2315 N. First Street San Jose, CA 95131 408-943-7100

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

© 2016 QLogic Corporation. QLogic Corporation is a wholly owned subsidiary of Cavium, Inc. All rights reserved worldwide. QLogic and the QLogic logo are registered trademarks and StorFusion is a trademark of QLogic Corporation. VMware is a registered trademark of VMware, Inc. and Intel is a registered trademark of Intel Corporation. Fujitsu, the Fujitsu logo, and PRIMEQUEST are trademarks or registered trademarks of Fujitsu Limited. PRIMERGY is a trademark of Fujitsu Technology Solutions. All other brand and product names are trademarks or registered trademarks of their respective owners.

This document is provided for informational purposes only and may contain errors. QLogic reserves the right, without notice, to make changes to this document or in product design or specifications. QLogic disclaims any warranty of any kind, expressed or implied, and does not guarantee that any results or performance described in the document will be achieved by you. All statements regarding QLogic's future direction and intent are subject to change or withdrawal without notice and represent goals and objectives only.