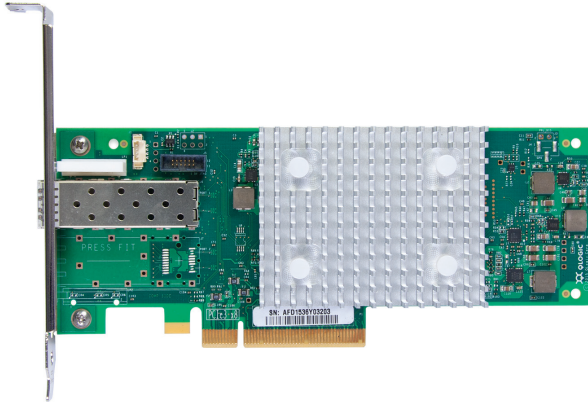


# QLogic Enhanced Gen 5 Fibre Channel HBAs

Unsurpassed performance, simplified management and superior reliability



QLogic Gen5 Enhanced FC 16Gb Single-port HBA

Customers today are challenged to utilize their IT resources as fully as possible, requiring virtualization of server hardware. In the past, the bottleneck to virtualization has been I/O bandwidth, thereby hindering application performance.

The QLogic Enhanced Gen 5 16 Gb FC Host Bus Adapters boast industry leading native FC performance—achieving dual-port, line-rate, 16 Gb FC throughput—at extremely low CPU usage, with full hardware offloads. This extreme performance eliminates potential I/O bottlenecks in today's powerful multiprocessor servers.

## Superior Application Performance and Reliability

With support for more than 1.3 million I/O transactions per second, these adapters deliver outstanding storage application performance in virtualized and non-virtualized environments.

High-availability port isolation architecture delivers predictable, deterministic and scalable performance. In addition, overlapping protection domains (OPD) help ensure a high level of reliability as data moves to and from the PCI bus and FC network.

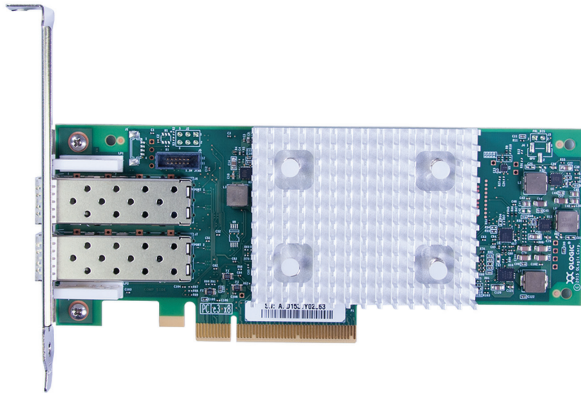
## Optimized Virtualization

Support for N\_Port ID virtualization (NPIV) enables a single FC adapter port to provide multiple virtual ports for increased network scalability. In addition, the 16Gbps line rate per physical port delivers unmatched storage performance to maximize the number of virtual machines (VMs) per physical server.

## Investment Protection

The adapters are compatible with the same FC software, driver stack that has been tested and validated across all major hardware platforms, all major hypervisors and Operating Systems, and has been proven reliable in millions of previous installations.

# QLogic Enhanced Gen 5 Fibre Channel HBAs



QLogic Gen5 Enhanced FC 16Gb Dual-port HBA

## Simplified Management

QLogic's unified management application, QConvergeConsole (QCC), provides single-pane-of-glass management for the company's broad product line of storage and networking adapters (FC, converged networking, NIC and iSCSI). QCC is included and both GUI and CLI versions are available for download at [QLogic.com](http://QLogic.com). These adapters support link cable beacon (LCB), which enables administrators to visually identify both ends of a physical link. In a large data center with hundreds of ports and cables to manage, a simple command turns on port LED beacons on both ends of a link cable connection. Administrators can use LCB to quickly identify connection peer ports without tracing the cable.

## Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

## For More Information

To learn more about the QLogic Enhanced Gen 5 16Gb Fibre Channel HBAs, contact your Lenovo Business Partner or visit: [lenovo.com/servers/options](http://lenovo.com/servers/options)

## Specifications

<b>Part Number</b>	01CV750 (single port); 01CV760 (dual port)
<b>Performance</b>	>650,000 IOPs per port
<b>Performance Features</b>	Full hardware offload for the FCi protocol <ul style="list-style-type: none"><li>• Message-signaled interrupts (MSI-X) and legacy interrupts (INT-X)</li><li>• N_Port ID Virtualization (NPIV)</li><li>• Boot from SAN</li><li>• Bandwidth: 16 Gb per second maximum at full-duplex per port</li><li>• Device management for SAN</li><li>• Connectivity to 16 Gb/8 Gb/4 Gb FC networks</li></ul>
<b>Management Suite</b>	<ul style="list-style-type: none"><li>• Lenovo management tools</li><li>• QConvergeConsole: a unified management tool (GUI and CLI) for FC/FCoE, iSCSI and networking</li></ul>
<b>Supported Servers and Operating Systems</b>	<ul style="list-style-type: none"><li>• Operating system: Windows, RedHat, SuSE, VMware</li><li>• Additional details at <a href="http://Lenovo ServerProven">Lenovo ServerProven</a></li></ul>
<b>Standards Supported</b>	<ul style="list-style-type: none"><li>• SCSI-FCP</li><li>• FC-TAPE</li><li>• FCP-2</li><li>• FC-GS-2</li><li>• FC-GS-3</li><li>• FC-PI5</li><li>• FC-PI6</li></ul>
<b>Form Factor</b>	Low-profile PCIe including high- and low-profile
<b>Dimensions</b>	(6.6 inches × 2.54 inches)
<b>Limited Warranty</b>	One-year limited warranty, or when installed in a System x server these cards assume your system's base warranty

<b>NEED SERVERS?</b>	Learn more about Lenovo Servers <a href="http://lenovo.com/systems/servers">lenovo.com/systems/servers</a>
<b>NEED SERVICES?</b>	Learn more about Lenovo Services <a href="http://lenovo.com/systems/services">lenovo.com/systems/services</a>



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