

StorageTek 8 Gb Fibre Channel PCIe HBA and Sun Storage 10 GbE FCoE PCIe Converged Network Adapter Optimize Oracle Linux Environments

Years of development and integration of Oracle networking technology ensures a solution that delivers stability, reliability, and high performance.

Features

- Market-leading 8 Gb FC and CNA performance
- Investment protection with backwards compatibility to earlier FC implementations
- Data integrity to promote data accuracy and correctness
- Complete testing and integration for turn-key deployment

Benefits

- Validated architectures for ease of deployment and management
- Blazing performance to meet a range of Oracle Linux environments
- Ability to take advantage of leading technology innovation while maintaining compatibility to existing infrastructures

Organizations are increasingly under pressure to reduce risk while accelerating the deployment of critical IT solutions for heavy workloads. To deliver extreme performance, advanced scalability, and reliability, complete testing and integration of both software and hardware in the Oracle stack is critical. A key foundational layer of this stack is the host bus adapter (HBA) technology. The introduction of multiprocessor CPUs, coupled with host virtualization technologies and heavy workload demands, means solutions must also offer high-performance and scalable I/O connectivity.

Oracle's StorageTek 8 Gb Fibre Channel PCIe HBA and Oracle's Sun Storage 10 GbE FCoE PCIe Converged Network Adapter offer you the performance you require. And as components of Oracle's Validated Configurations (pretested and certified architectures), StorageTek 8 Gb Fibre Channel PCIe HBA and Sun Storage 10 GbE FCoE PCIe Converged Network Adapter have been pretested, so organizations can confidently deploy them, knowing they will achieve the high-performance, scalability, and reliability that their environments demand.

Market-Leading Fibre Channel and Converged Network Adapter Performance

Today's mission-critical applications mandate the highest levels of performance from database servers and the storage infrastructure. StorageTek 8 Gb Fibre Channel PCIe HBA and Sun Storage 10 GbE FCoE PCIe Converged Network Adapter, powered by QLogic, provide dependable and balanced performance for applications that require constant data accessibility. Interfacing to the host server with a PCIe Gen2 bus on the fibre channel host ports, StorageTek 8 Gb Fibre Channel PCIe HBA and Sun Storage 10 GbE FCoE PCIe Converged Network Adapter eliminate internal performance bottlenecks, providing blazing speed across the stack. And Sun Storage 10 GbE FCoE PCIe Converged Network Adapter's 10 Gb iSCSI speed enables the use of iSCSI in enterprise environments.

Data Integrity

Data growth and increasingly complex data centers are the key drivers in the heightening pressure on organizations to validate data. Data errors—errors that may remain undetected until the data is needed—can have a negative impact on an organization's productivity and responsiveness in the marketplace. Oracle Linux and Oracle storage networking products powered by QLogic rise to this challenge with data integrity implementations based on the T10-PI industry standard. While older data integrity efforts caught errors after the data was already written to the disk, Oracle's solutions provide end-to-end data integrity, identifying errors before they are written to the disk drives, and preventing issues such as the backup of faulty data. With such an implementation, rock-solid reliability and data

protection are achieved with industry-leading fault isolation—and the assurance that the data being written to the disk is consistent at all times.

Networking Flexibility

Offered in both standard and in express models, Oracle's StorageTek 8 Gb Fibre Channel PCIe HBA and Oracle's Sun Storage 10 GbE FCoE PCIe Converged Network Adapter are available with a range of options to meet the specific needs of any organization.

Product	Part Number
StorageTek 8 Gb Fibre Channel PCIe HBA (Express)	SG-XPCIE1FC-QF8-N (Single Port) SG-XPCIE2FC-QF8-N (Dual Port)
StorageTek Dual 8 Gb Fibre Channel Dual GbE ExpressModule HBA	SG-XPCIEFCGBE-Q8-N

Product	Part Number
Sun Storage 10 GbE FCoE PCIe Converged Network Adapter	SG-XPCIEFCOE2-Q-SR (Short Range Optical) SG-XPCIEFCOE2-Q-TA (Copper)
Sun Storage 10 GbE FCoE Express Module Converged Network Adapter	SG-XEMFCOE2-Q-SR (Short Range Optical) SG-XEMFCOE2-Q-TA (Copper)

Oracle Linux Validated

Through programs such as Oracle Validated Configurations, organizations can benefit from pretested and verified configurations comprised of leading Oracle hardware and software solutions, at no additional cost. Verified configurations allow for a smooth transition when upgrading to a new configuration and help organizations reduce the time they spend on testing and deployment, so they can focus on managing their infrastructure and developing new business solutions.

LEARN MORE

For more information, visit oracle.com/Linux/QLogic