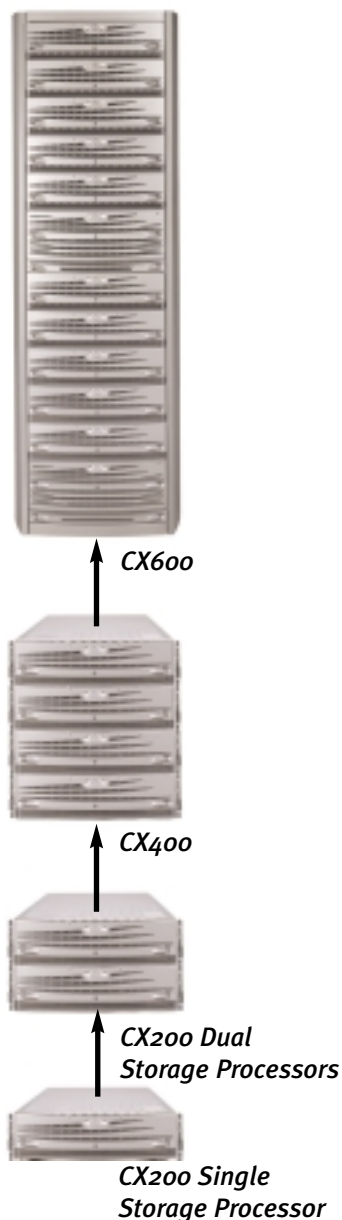# EMC CLARiiON CX200

Affordable, easy to manage networked storage for the enterprise

The Big Picture

- Full 2Gb Fibre Channel architecture delivers performance, flexibility, and scalability to your business applications

- Achieve operational gains and accelerate Windows, Linux, and NetWare server deployments through cost-effective storage consolidation

- Centralize storage management, with Navisphere Manager software to lower overall system management costs

- Reduce unplanned downtime and ensure data availability with no single points of failure and automatic I/O path failover

- Start small by deploying an extremely affordable single storage processor CX200 and upgrade to a dual storage processor configuration as you grow

- Upgrade easily to higher performing, higher capacity CLARiiON models through a simple data-in-place upgrade process, preserving all CX200 investments

- Supports 2Gb Fibre Channel and ATA disk drives for deployment flexibility in networked storage environments

- Leverage ATA disk technology for cost-effective backup to disk; replacing single or dual device autoloaders

The EMC CLARiiON® CX200 is optimized for organizations deploying cost-effective, work-group SAN and direct-attach storage solutions. It offers the ease of management and performance required by companies running popular workgroup applications including file/print, e-mail, database, and Web services. Designed with flexibility and ease-of-deployment in mind, the CX200 delivers the same modularity and Web-based storage management interface as other members of the CLARiiON CX family. And by participating in a SAN Copy™ network, customers can share CX200 information with remote CLARiiON and Symmetrix® systems.

This reliable 2Gb full Fibre Channel system provides high functionality and performance, while offering the highest availability and data integrity—all at a very affordable price. And unlike any competitive product in its class, the CX200 offers a "data-in-place" upgrade to the more powerful CX400 or CX600 models to meet expanding business needs.

The CX200—small in size and price, big on capability

Available in a rack-mount chassis, the CLARiiON CX200 offers an easy storage entry point of just three 2Gb Fibre Channel drives that dynamically scale to 30. Full 2Gb Fibre Channel features, such as fully redundant components and dual active storage processors, provide the highest levels of availability and data integrity, making the CX200 the most advanced disk array in its class. The CX200 architecture fully exploits 2Gb Fibre Channel technology, delivering both high data throughput and high I/O performance. The CX200 boasts cached performance of 200 MB per second and 40,000 I/Os per second, which means you can service more of your users with consistent response times.

Building-block modularity enables easy, non-disruptive growth

With the consistent hardware and software architecture of CLARiiON comes unique advantages. For customers that want to start very small and have advanced storage functionality, CX200 is the answer. CLARiiON's modular design enables customers to add additional drives as their requirements expand. And this capacity can be added to the CX200 non-disruptively.

The highest storage density drives configuration flexibility, economy

The CX200 was designed with form factor in mind. This rack-mount array can be configured with 3 to 30 drives in just 7U of rack space (12.25 inches). This compact form factor maximizes density, driving the highest capacity per unit of rack space in the industry.

Data-in-place upgradeability minimizes risk, increases ROI

Customers with expanding connectivity, scalability, or performance requirements, can upgrade their CX200 to a CX400 or CX600 array without moving their data. Traditional upgrades typically involve a difficult and complex data migration or tape-based data backup and restore to another system. Both have significant risk associated with them. For CX200 customers, the process is streamlined and the disk drives and their associated information never move. A consistent, proven, family architecture enables this business flexibility.

CX600

CX400

CX200 Dual Storage Processors

CX200 Single Storage Processor

The CX200 offers a "data-in-place" upgrade to the more powerful CX400 or CX600 models to meet your expanding business needs. And there is no data movement, no data loss, and no risk.

CLARiiON CX series is NEBS
LEVEL 3 certified, delivering
ruggedized, industrial-strength
storage for the enterprise.

Flexibility in deployment model

To facilitate standardization and consolidation, the EMC CLARiiON CX200 has a number of connectivity options. Direct attachment to a single host or cluster is provided through standard FC-AL connections. For multi-host storage consolidation, Fibre Channel switches and EMC Access Logix™ software are available to facilitate connectivity and management of the complete environment.
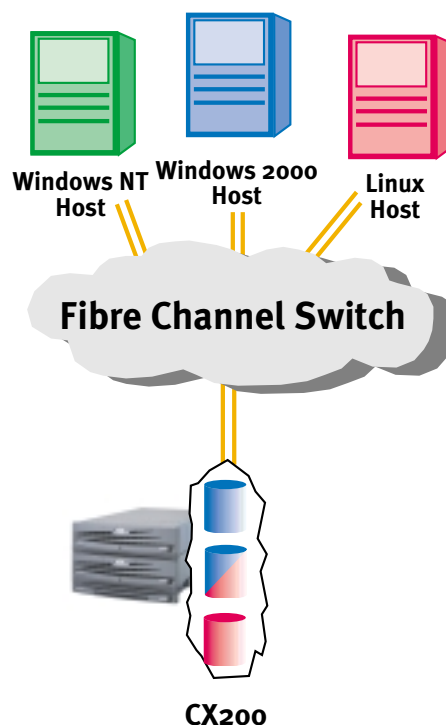
Access Logix for consolidation

Access Logix provides secure, shared, or selective server access to the CX200 storage array in mixed and homogeneous platform environments. Protection is provided and easily managed centrally and graphically with EMC Navisphere® Manager software. Access Logix controls access to both reading and writing data, configuration changes, and management of array resources. While allowing multiple hosts to share a single array, Access Logix creates a safe environment by protecting data where it resides—on the array.

Simplified storage management with Navisphere Manager Base

Navisphere Manager Base enables a business to effectively configure and monitor a single CLARiiON CX200 system through an easy-to-manage Web-based user interface. If you plan to manage your CX200 array next to other CLARiiON systems, you can upgrade to Navisphere Manager and Analyzer. Navisphere simplifies the management of all EMC CLARiiON storage devices, increasing the productivity of the system administration staff while reducing storage management costs.

Access Logix software enables
multiple hosts to share storage
within one or multiple CX200
systems. Each host can access
only those LUNs to which it has
been granted access. LUNs can
also be shared between hosts for
server failover.

Windows NT Host   **Windows 2000 Host**   **Linux Host**

Fibre Channel Switch

CX200

High availability and flexibility through PowerPath

PowerPath™ is a server-resident, I/O path management solution that ensures your applications remain continuously available. PowerPath's automatic failover capability permits data to flow through an alternate I/O path in the event of a failure between the server and the CX200.

Backup protection that counts

The CX family is compatible with a wide range of backup hardware and software products to ensure that customers maximize information protection. EMC has tested and supported the CX series with leading backup vendors and their "backup-to-disk" functionality.

CX200 service options to meet diverse needs

The CX200 is backed by the industry's best services. Ranging from standard hardware and software warranties to tiered support offerings, these options are designed to match customers' unique business needs. Speak to your sales representative to learn about the available EMC service options.

Standard hardware and software warranty

The warranty for hardware and its Core Software consists of two (2) years of parts and labor, with support Monday through Friday 8AM to 5PM local time, and next-business-day response time when onsite dispatch is required. Enterprise Storage Software warranty provides for conformance to published specifications and replacement of defective media for ninety (90) days. Installation service is optional.

CLARalert

CLARalert® remote support detects hardware or software problems as they occur and notifies the EMC Customer Support Center where technical experts remotely dial-in to your site to perform diagnostics. Most issues are resolved before you even know about them.

EMC²
where information lives

Take the Next Step

For more information on how the CLARiiON CX200 can meet your storage infrastructure needs and benefit your business, contact your authorized EMC value-added reseller or systems integrator. Or visit our website at www.EMC.com.