

EMC CLARiiON CX4: the Best Energy Efficiency in Midrange Storage

EMC® CLARiiON® CX4 series storage systems, powered by Intel® Xeon® processors, are designed to efficiently handle the most-demanding applications while offering the best options for energy savings. With capabilities such as tiered storage design, efficient capacity utilization, and new Virtual Provisioning, CLARiiON CX4 helps organizations optimize their storage environments to reduce energy use and maintain control of overall energy costs.

Top reasons why the EMC CLARiiON CX4 delivers the best energy efficiency

CLARiiON low-power SATA drives

For capacity-intensive and streaming applications, new low-power SATA drives offer the highest density at the lowest cost and require 96 percent less energy per terabyte than 73 GB 15K rpm Fibre Channel drives and 32 percent less than traditional 1TB SATA drives.

CLARiiON adaptive cooling

The design of CLARiiON CX4 series storage processors is based on an intelligent sensor technology that continuously monitors system parameters. The CX4 system's adaptive cooling functionality intelligently monitors airflow and temperature within the storage processor chassis and adjusts blower and fan speeds based on system activity, constantly adapting to changing environmental needs.

CLARiiON Flash drive technology

CLARiiON Flash drive technology provides low power usage, low latency, and high throughput, breaking the performance barriers of traditional disk technologies. This Tier "0" drive technology provides 30 times the IOPS as a traditional 15K rpm Fibre Channel drive while delivering substantial power savings for I/O-intensive applications, consuming 98 percent less energy per transaction.

CLARiiON Virtual Provisioning

CLARiiON Virtual Provisioning improves energy efficiency by improving utilization rates and deferring the use of additional capacity. Virtual Provisioning simplifies storage management by enabling just-in-time capacity allocation via monitoring, alerts, and reporting and enables more-efficient capacity planning. This reduces the time and effort required to provision additional storage and avoids the need to provision storage that will not be needed in near term.

CLARiiON disk-drive spin-down

EMC has integrated functionality into the CLARiiON CX4 platform that will enable drive spin-down capabilities at a future time. CLARiiON CX4's drive spin-down capabilities will allow customers to set policies at the RAID group level to place inactive drives in sleep mode. When available, this functionality will provide significant energy-efficiency advantages for applications such as backup-to-disk, archiving, and test and development.



Take the next step

For more information on the superior energy efficiency offered by the CLARiiON CX4 Series of mid-tier networked storage systems, contact your EMC sales representative or authorized EMC value-added systems integrator. You can also visit our website at www.EMC.com or, in North America, call EMC directly at 1-866-464-7381.