

EMC CLARiiON CX3 Model 20 Networked Storage System

Specifications

RAID Levels

RAID 0: Data striped across three to six drives.
RAID 1: Mirrored pairs of two drives.
RAID 10: Data mirrored, then striped across four to six drives.
RAID 3: Independent data access on five or nine drives (with dedicated parity disk).
RAID 5: Independent data access on three to six drives (with striped parity).
Any combination of these RAID levels can exist on a single CX3 model 20.
RAID stripe depth configurable to 4, 16, 64, 128, or 256 sectors per disk.
MetaLUNs: Storage virtualization via online LUN expansion through either striping or concatenation.
Configurable global hot spares.
Rebuild priority tuning; adjustment of minimum I/O reserved for server use during rebuild.

Front-End (Host) Connectivity

Two storage processors per CX3 model 20.
Each storage processor has two 4 Gb Fibre Channel optical ports.
FCP SCSI-3 protocol.
Command tag queuing up to 256 tags.
FC-AE and FC-SB support.
Maximum Cable Length
Shortwave Optical: 100 meters (4 Gb), 500 meters (2 Gb), 500 meters (3 Gb).

Back-End (Disk) Connectivity

Each storage processor has one 4 Gb Fibre Channel Arbitrated Loop. CX3 model 20 supports a maximum of 128 disk drives.

Drive Interface

Failover from each storage processor to both Fibre Channel loops is possible.

Nominal Capacity	73 GB (64,000)	145 GB (136,000)	300 GB (288,000)	300 GB (2,880)	73 GB 4 GB/s (64,000)	145 GB 4 GB/s (136,000)
Formatted Capacity*	60.7 GB	135 GB	270 GB	486 GB	60.7 GB	135 GB
Formatted Capacity* (120 bytes/sector, 1 MB = 1,048,576 bytes)						
Form Factor	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Height	1.0"	1.0"	1.0"	1.0"	1.0"	1.0"
Rotational Speed	15,000 rpm	15,000 rpm	15,000 rpm	15,000 rpm	15,000 rpm	15,000 rpm
Interface	Fibre Channel	Fibre Channel	Fibre Channel	Fibre Channel	Fibre Channel	Fibre Channel
Data Buffer	64 MB	32 MB	32 MB	64 MB	64 MB	32 MB
Transfer Rates						
Buffer to/from Media	24.7-25.2 MB/s	45-46 MB/s	55-56 MB/s	29-44 MB/s	27-34 MB/s	55-56 MB/s
MB/s						
SP to/from Buffer	200 MB/s (max.)	200 MB/s (max.)	200 MB/s (max.)	200 MB/s (max.)	400 MB/s (max.)	400 MB/s (max.)
Access Time						
Average Seek	5.2 ms Read 6.2 ms Write	4.7 ms Read 5.3 ms Write	4.7 ms Read 5.4 ms Write	8.5 ms Read 9.5 ms Write	3.6 ms Read 4.9 ms Write	3.5 ms Read 4.9 ms Write
Rotational Latency	2.09 ms	2.09 ms	2.09 ms	4.07 ms	2 ms	2 ms

* Note: The FLARE™ storage operating environment requires 33 GB of disk space on each of the first five drives.

Available Software*

SnapView™: point-in-time view of information for nondisruptive backup and clones.
MirrorView™: remote synchronous and asynchronous mirroring for disaster protection.
Online Upgrade: online upgrades of storage software and FLARE operating system.
Navisphere® Manager: complete configuration, management, and event notification.
Navisphere Analyzer: comprehensive performance, management, and trends analysis.
CLARient™: constant system monitoring, call-home notification, and remote diagnostics.
PowerPath®: path failover for continuous data access and dynamic load balancing.
SAN Copy™: enables local or long distance data movement between various arrays (e.g., CLARiiON, Symmetrix®, HP StorageWorks).
VirtualSAN™/InfoStor™: data protection, shared storage access, SAN management.
Replication Manager Family: manages the replication process (host and replication software) to integrate SnapView and MirrorView operations.
Veritas®: enables server consolidation with CLARiiON storage.

* Consult your EMC account manager for availability, software configuration, and compatibility information.

EMC® CLARiiON® CX3 systems can be integral elements of a comprehensive information lifecycle management strategy—a strategy that helps your enterprise attain the maximum value from its information, at the lowest TCO, at every point in the information lifecycle. Information lifecycle management maps the right service level to the right application at the right cost—at the right time.



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web nov 14 2021 however of the wiring to this assembly a white with a light green stripe wire is shown i would expect this wire to be your hot wire if your model is of the 2024 and later group you can verify the wiring by merely removing the lens from either of your tail light assemblies and do a visual verification

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web each wire shown in the diagrams contains a code which identifies the main circuit part of the main circuit gage of wire and color fig 1 circuit functions all circuits in the diagrams use an alpha numeric code to identify the wire and its function to identify which circuit code applies to a system refer to the circuit identification

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web feb 3 2008 i plan to tap on the interior right behind the left rear light anyone know the color of the wire i have the fsm but don t know how to read wiring diagrams i see a vt bk i m assuming that means violet black but could also mean virginia tech burger king can anyone confirm that it s a violet black wire i m looking for thanks

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web apr 4 2020 which wire will allow the added reverse lights to only come on when the vehicle is shifted into reverse i ve seen light green white grey white and even purple tia 16 jku with the factory tow pkg 23 grand cherokee l summit high altitude 4x4 velvet red 22 bmw 330e msport portimao blue 11 callaway sc652 carbon edition z06

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web sep 6 2020 use a t connector to splice the power wire for your backup camera in with your cigarette lighter constant power when vehicle is on reverse light wire is just supposed to be a signal wire to let your head unit to display backup camera what color is your reverse light wire what year and model jeep where was it located

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