

MA8000/EMA12000 Fibre Channel Product Set

June 2001

CTO orders require Part Number 232539-888 on the first line

Predefined Models

Modular Storage Cabinet for CTO

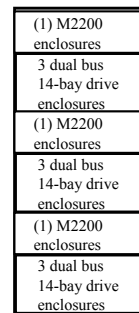
Modular Storage Cabinets

180311-B21 42U (opal) 60Hz w/ (26) IEC320-C13 - C14 Power Cords
 180312-B22 42U (opal) 50Hz w/ (26) IEC320-C13 - C14 Power Cords
 180313-B21 36U (opal) 60Hz w/ (22) IEC320-C13 - C14 Power Cords
 180314-B22 36U (opal) 50Hz w/ (22) IEC320-C13 - C14 Power Cords
 180315-B21 22U (opal) 60Hz w/ (12) IEC320-C13 - C14 Power Cords
 180316-B22 22U (opal) 50Hz w/ (12) IEC320-C13 - C14 Power Cords
 180317-B21 41U (blue) 60Hz w/ (26) IEC320-C13 - C14 Power Cords
 180318-B22 41U (blue) 50Hz w/ (26) IEC320-C13 - C14 Power Cords

All Modular Storage Cabs include:

Front & back doors, Side panels, (2) 2U 24Amp PDUs each with
 (1) 15' L6-30P input Power Cord, (16) IEC320-C13 receptacles

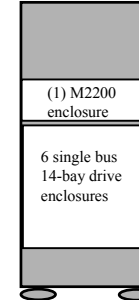
EMA12000 D14



175990-B21/60Hz

(1) 42U Modular Storage Cab.
 (3) M2200 Enclosures
 (9) 4354 Enclosures
 (18) SCSI VHD-VHD Cables
Controllers, Batteries and Disks ordered separately

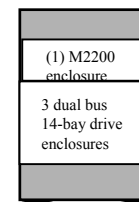
EMA12000 S14



175991-B21/60Hz

(1) 36U Modular Storage Cab.
 (1) M2200 Enclosure
 (6) 4314 Enclosures
 (6) SCSI VHD-VHD Cables
Controllers, Batteries and Disks ordered separately

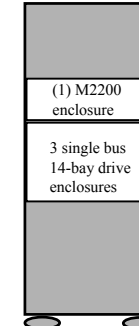
MA8000



175992-B21/60Hz

(1) 22U Modular Storage Cab.
 (1) M2200 Enclosure
 (3) 4354 Enclosures
 (6) SCSI VHD-VHD Cables
Controllers, Batteries and Disks ordered separately

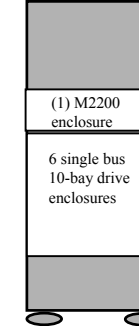
EMA12000 Blue



175993-B21/60Hz

(1) 41U Modular Storage Cab.
 (1) M2200 enclosure
 (3) 4354 Enclosures
 (6) SCSI VHD-VHD Cables
Controllers, Batteries and Disks ordered separately

EMA12000 S10



175994-B21/60Hz

(1) 42U Modular Storage Cab.
 (1) M2200 Enclosure
 (6) 4310 Enclosures
 (6) SCSI VHD-VHD Cables
Controllers, Batteries and Disks ordered separately

Model 2200 Controller Enclosure (4U)

135820-B21: (2) 180W Power Supplies, (3) Fans, (6) UltraSCSI I/O Modules, EMU, (2) IEC C13-C14 Power Cords, RETMA mounting kit

Model 43x4 Device Enclosure (3U)

190209-001 - 4314R - Single Bus, 14 Bay Device Enclosure, RETMA mounting kit, (2) Blowers, (1) Power Supply, (1) IEC-C13 to NEMA 5-15P Power Cord, (1) 3.7M VHD - VHD SCSI Cable **103381-001 - 4214R (Ultra 2)**

190211-001 - 4354R - Dual Bus, 14 Bay Device Enclosure, RETMA mounting kit, (2) Blowers, (2) Power Supplies, (2) IEC-C13 to NEMA 5-15P Power Cords, (2) IEC-C13 to IEC-C14 Power Cords, (2) 3.7M VHD - VHD SCSI Cables **138151-001 - 4254R (Ultra 2)**

Model 43x0 Device Enclosure (3U)

174631-B21 - 4310R - Single Bus, 10 Bay Device Enclosure, RETMA mounting kit, (2) Blowers, (2) Power Supplies, (1) IEC-C13 to NEMA 5-15P Power Cord, (1) 3.7M VHD - VHD SCSI Cable

174630-B21 - 4350R - Dual Bus, 10 Bay Device Enclosure, RETMA mounting kit, (2) Blowers, (2) Power Supplies (2) IEC-C13 to NEMA 5-15P Power Cords, (2) 3.7M VHD - VHD SCSI Cables

Enclosure options

190212-B21 Ultra3 Single Bus I/O Module
 190213-B21 Ultra3 Dual Bus I/O Module
 119826-B21 Redundant power supply
 119829-B21 Ultra2 Dual Bus I/O Module

SCSI Cables - VHDCL1 to VHDCL1

168256-B21 1M SCSI Cable
 168257-B21 2M SCSI Cable
 189505-B21 3M SCSI Cable

Power Cord: IEC320-C13 to IEC320-C14

BN35S-02 2.5M IEC cable, black
 BN30B-02 2.5M IEC cable, gray

SAN Components

FC SAN Switches

158223-B21 FC SAN Switch 16 ports
 158222-B21 FC SAN Switch 8 port
 167365-B21 8/16 SAN Switch Bracket
 160407-B21 8/16 SAN Switch Power option

FC Cables

50 Micron Short Wave Multi mode
 234457-B21/B22/B23/B24/B25

HA/F500 Clusters

Basic 103250-B21

Multi-path Software

165989-B21 Secure Path V3.1 for WNT
 165991-B21 Secure Path V2.1 for SUN

Storage controllers, cache, batteries:

176622-B21 HSG80 RAID Array Controller w/256MB Cache
 380674-B21 HSx80 256MB cache (2* 128MB)
 176623-B21 HSG80 Cache bulkhead upgrade
 135823-B21 Single external cache battery
HSG80 Array Controller Software (1 per controller)
 380577-001 ACSv8.5G FC-AL Software
 128697-B21 ACSv8.5F FC-AL/SW Software
 160091-B21 ACSv8.5S FC-SW Software w/Snapshot
 128698-B21 ACSv8.5P FC-SW Data Replication Software

Required Options

Supported Hard Drives

176494-B21	72.8GB Ultra3 SCSI 10K RPM 1.6"
176496-B22	36.4GB Ultra3 SCSI 10K RPM 1"
188122-B22	18.2GB Ultra3 SCSI 15K RPM 1"
188120-B22	9.1GB Ultra3 SCSI 15K RPM 1"
142673-B22	18.2GB Ultra3 SCSI 10K RPM 1"
142671-B22	9.1GB Ultra3 SCSI 10K RPM 1"
148649-B21	0.6" Drive Extenders (Pack of 4)

Platform kits 1 required per platform, adapters 1 per host connection.

O.S. Versions	G80 SFT Kit	FC Adapters(AKA):Bus	ACS	Multi Path	High Availability	FC Support
WNT X86 NT4.0/W2K	380551-001	176479-B21(DS-KGPSA-CB);PCI	8.5G,F,S	Secure Path V2.2.2	MSCSV1.0	Switch, Loop
NT 4.0	128696-B21	380574-001 (KGPSA-BC);PCI	8.5P	Secure Path V2.2.2	MSCSV1.0	Switch
Tru64 4.0F/5.0A	380553-001	168794-B21(DS-KGPSA-CA);PCI	8.5G,F,S	in Tru64 5.0A	TruCluster 1.6	Switch
Tru64 UNIX 4.0F	(Configured and ordered through CSS only)		8.5P			Switch
Tru64 UNIX 5.0A	128693-B21	168794-B21(KGPSA-CA);PCI	8.5P	in OS (NOT YET AVAILABLE)		Switch
OpenVMS 7.2-1	380555-001	168794-B21(DS-KGPSA-CA);PCI	8.5G,F,S	in OS	OpenVMS Clusters	Switch
OpenVMS 7.2-1	128694-B21	380574-001(KGPSA-BC);PCI	8.5P	in OS	OpenVMS Cluster	Switch
Solaris 2.6, 7.0	380554-001	123503-001(DS-SWSA4-SC); SBU	8.5G,F,S	Secure Path V2.1	FirstWatch on V2.6	Switch, Loop
		380576-001(SWSA4-PC);PCI			VCS V1.01 on V2.6,7.0	
NetWare 4.2,5.0	380559-001	120186-B21(64bit/66Hz FC Host)	8.5G,F,S		NCSV1.0	Loop
SGI IRIX 6.5..3	380556-001	Origin 2000 SGI XT-FC-2P:XIO	8.5G,F			
		Origin 200 SGI PCI-FC-IP;PCI (requires X-F-OE-KIT (MIA))				
HP-UX 10.2, 11.0	380557-001	218409-B21 FC PCI;	8.5G,F	Pvlinks in HP-UX 10.2 MC Service Guard		Switch,Loop
		HP9000/800 K Class A3404A;HSC				
		HP9000/800 D Class A3591A;GSC				
IBM AIX 4.2.1, 4.3	380558-001	197819-B21 FC PCI	8.5G,F		HACMP V4.3	Loop
Linux Alpha	160087-B21	167433-B21 PCI for Linux	8.5G,F			Loop
Linux ProLiant	160088-B21	167433-B21 PCI for Linux	8.5G,F			Loop