



**CMD Technology, Inc.**

Effective: November 6, 2000

**Price  
Book**

## **Standard Storage Products Price Book**



*Ultra160 SCSI to Ultra160 SCSI*

*Fibre Channel to Ultra160 SCSI*

*Fibre Channel to Fibre Channel*

*Redundant and non-redundant*

*Rack, canister, and board level*

***and other fine CMD RAID products.***



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### Quick Prices by Part Number

The following **Quick Prices by Part Number** list includes the most active products. Part numbers not listed below may be found in subsequent sections. Consult the extended descriptions if there is any uncertainty on the product definition.

Part Number	RLSP	Note
AAK-005500-000	\$175	
CRA-007280-100	\$18,169	
CRA-007280-110	\$18,169	
CRA-007280-200	\$27,294	
CRA-007280-210	\$27,294	
CRD-005440-101	\$2,995	
CRD-005440-102	\$3,495	
CRD-005440-104	\$2,995	
CRD-005440-201	\$2,995	
CRD-005440-202	\$3,495	
CRD-005440-204	\$2,995	
CRD-005500-101	\$3,525	
CRD-005530-000	\$395	1
CRD-005540-002	\$495	
CRD-005560-002	\$595	
CRD-005580-000	\$549	
CRD-005641-000	\$3,995	
CRD-005641-028	\$6,405	
CRD-005641-032	\$4,317	
CRD-005641-056	\$9,707	
CRD-005641-064	\$4,826	
CRD-005641-100	\$4,295	
CRD-005641-128	\$6,805	
CRD-005641-132	\$4,717	
CRD-005641-156	\$10,107	
CRD-005641-164	\$5,226	
CRD-005641-200	\$7,995	
CRD-005641-228	\$13,110	
CRD-005641-232	\$8,934	
CRD-005641-256	\$19,714	
CRD-005641-264	\$9,953	
CRD-005642-000	\$4,195	
CRD-005642-028	\$6,405	
CRD-005642-032	\$4,317	
CRD-005642-064	\$4,826	
CRD-005642-100	\$4,595	
CRD-005642-128	\$6,805	
CRD-005642-132	\$4,717	
CRD-005642-156	\$10,107	

Part Number	RLSP	Note
CRD-005642-164	\$5,226	
CRD-005642-056	\$9,707	
CRD-005642-200	\$8,395	
CRD-005642-228	\$13,110	
CRD-005642-232	\$8,934	
CRD-005642-256	\$19,714	
CRD-005642-264	\$9,953	
CRD-005644-000	\$4,195	
CRD-005644-100	\$4,595	
CRD-005644-200	\$8,395	
CRD-007040-100	\$5,038	
CRD-007040-200	\$8,396	
CRD-007220-120	\$4,858	
CRD-007220-220	\$8,719	
CRD-007240-120	\$6,621	9
CRD-007240-220	\$11,771	9
CRD-007400-120	\$6,866	
CRD-007400-220	\$12,207	
HSB-005500-101	\$3,525	
HWK-005646-000	\$50	
HWK-005646-0B0	\$50	
HWM-000020-000	\$15	
HWM-000020-0B0	\$15	
ORD-007040-001	\$3,980	
ORD-007220-001	\$3,649	
ORD-007240-001	\$5,032	
ORD-007400-001	\$5,424	
SPR-007080-000	\$10,297	
UGK-005933-000	\$2,109	
UGK-005934-000	\$2,509	

**Notes** 1 - Limited Availability; 2 - Special Terms; 9 – New List Price (see subsection for details)



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## Price Book

### CMD Titan™ RAID Controllers

#### CRD-7040 RAID Controllers

The CMD Titan CRD-7040 controllers are high-performance, multi-channel, RAID controllers. The controllers are packaged in a standard 5.25" form factor full-height canister that includes a single controller or dual-redundant hot-pluggable controllers, redundant fans, and an attractive front door with a status panel. High-availability features include active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support for striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. They feature advanced power and media management and dual 160 MB per second Ultra160 SCSI host channels with two Ultra160 SCSI disk channels. The models listed below are both single and dual redundant configurations, along with controller upgrade and spare part information. Consult the product brochure for additional information and details. Consult the Special Policies tab for information about CMD Titan customization options.

Part Number	Description / Extended Description	RLSP
CRD-007040-100	CNSTR:5.25" FH 1X4 CH U160	\$5,038
	Consists of a beige 5.25 inch full-height canister with two 160 MB per second Ultra160 SCSI host channels and two 160 MB per second Ultra160 disk channels. Includes one hot-swappable RAID controller module (without cache memory), front panel with user display, redundant hot-swappable cooling fans, and Titan RMS graphical user interface. Upgradeable to a redundant controller configuration by adding a second 7040 controller module and interprocessor communications bus, part numbers SPR-007040-001 and SPR-007240-004, respectively. Available with a black front panel as part number CRD-107040-100.	
CRD-007040-200	CNSTR:5.25" FH 2X4 CH U160	\$8,396
	Consists of a beige 5.25 inch full-height canister with two 160 MB per second Ultra160 SCSI host channels and two 160 MB per second Ultra160 disk channels. Includes two hot-swappable RAID controller modules (without cache memory), front panel with user display, redundant hot-swappable cooling fans, and Titan RMS graphical user interface. Available with black front panel as part number CRD-107040-200.	
SPR-007240-004	BOARD:FAILOVER BUS	\$185
	Interprocessor communication bus for use in dual controller CRD-7220/7240 and ORD-7220 configurations.	
SPR-007240-003	SPARE:CNSTR FRONT PNL, BEIGE	\$514
	Spare beige door assembly for CRD-7xxx 5.25" canister. Use as a spare or to convert a unit from black to beige color.	
SPR-107240-003	SPARE:CNSTR FRONT PNL, BLACK	\$514
	Spare black door assembly for CRD-7xxx 5.25" canister. Use as a spare or to convert a unit from black to beige color.	
SPR-007040-001	BOARD:5.25" HH 1X CH U160	\$3,980
	RAID controller board (w/o cache memory) providing four LVD Ultra160 SCSI channels.	
SPR-007240-002	CNSTR:5.25" FH FC/SCSI BKPLN	\$1,750
	Spare CRD-7220/7240 canister (w/o controllers) with FC/SCSI backplane.	
HDM-000076-000	SPARE: FAN FOR 7XXX Front Panel	\$30
	Spare fan for CRD-7xxx 5.25" canister	



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## Price Book

### ORD-7040 RAID Controllers

The CMD Titan ORD-7040 is a high-performance, multi-channel, RAID controller. The ORD version is a 5.25" board-only version. Depending on the chassis in which it is used, the ORD-7220 is capable of single or dual-redundant hot-pluggable operation. The controller features two 160 MB per second LVD Ultra160 host channels and two LVD Ultra160 SCSI disk drive interfaces. The Titan architecture features active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support for striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. Consult the product brochure for additional information and details.

Part Number	Description / Extended Description	RLSP
ORD-007040-001	BOARD:5.25"FH 4CH U160	\$3,980
	Consists of a 5.25 inch board-only RAID controller four 160 MB per second LVD Ultra160 SCSI channels. Controller board comes with CMD card guide rail system and extraction handle. Controller accommodates two 168 pin SDRAM DIMMs. Requires customer designed / supplied backplane with compatible connector and circuitry. Two controllers required for redundant operation.	
SPR-007240-004	BOARD:FAILOVER BUS	\$185
	Inter-processor communication bus for use with dual controller CRD-7xxx 5.25" canister or ORD board configurations.	
SWK-107000-201	Developer's Kit	\$50
	The developers kit contains the Titan technical manuals and the Titan / Viper RTS manual. These manuals are not included with normal product shipments.	



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### CRD-7220 RAID Controllers

The CMD Titan CRD-7220 controllers are high-performance, multi-channel, RAID controllers. The controllers are packaged in a standard 5.25" form factor full-height canister that includes a single controller or dual-redundant hot-pluggable controllers, redundant fans, dual Fibre Channel host interfaces, and an attractive front door with a status panel. They feature active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. They feature advanced power and media management and dual copper 100 MB/sec Fibre Channel host channels with two (2) 80 MB/sec LVD Ultra2 SCSI disk channels. The models listed below are both single and dual redundant configurations, along with controller upgrade and spare part information. Consult the product brochure for additional information and details. Consult the Special Policies tab for information about CMD Titan customization options.

Part Number	Description / Extended Description	RLSP
CRD-007220-120	CNSTR:5.25" FH 1X4 CH FC/U2	\$4,858
	Consists of a beige 5.25 inch full-height canister with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host channels and two 80 MB per second Ultra2 disk channels. Includes one hot-swappable RAID controller module (without cache memory), redundant hot-swappable cooling fans, front panel with user display, and Titan RMS graphical user interface. Upgradeable to a redundant controller configuration by adding a second FC/U2 controller and interprocessor communications bus, part numbers SPR-007220-000 and SPR-007240-004, respectively. Available with a black fascia as part number CRD-107220-120.	
CRD-007220-220	CNSTR:5.25" FH 2X4 CH FC/U2	\$8,719
	Consists of a beige 5.25 inch full-height canister with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host ports and two 80 MB per second Ultra2 disk ports. Includes redundant hot-swappable RAID controller modules (without cache memory), redundant hot-swappable cooling fans, front panel with user display, and Titan RMS graphical user interface. Available with black fascia as part number CRD-107220-220.	
SPR-007240-004	BOARD:FAILOVER BUS	\$185
	Inter-processor communication bus for use with dual controller CRD-7xxx 5.25" canister or ORD board configurations.	
SPR-007240-003	SPARE:CNSTR FRONT PNL, BEIGE	\$514
	Spare beige door assembly for CRD-7xxx 5.25" canister. Use as a spare or to convert a unit from black to beige color.	
SPR-107240-003	SPARE:CNSTR FRONT PNL, BLACK	\$514
	Spare black door assembly for CRD-7xxx 5.25" canister. Use as a spare or to convert a unit from black to beige color.	
SPR-007220-001	BOARD:5.25" HH 1X CH FC/U2	\$3,649
	RAID controller board (w/o cache memory) providing two Fibre Channel channels and two Ultra2 Low Voltage Differential (LVD) SCSI channels.	
SPR-007240-002	CNSTR:5.25" FH FC/SCSI BKPLN	\$1,750
	Spare CRD-7220canister (w/o controllers) with FC/SCSI backplane.	
HDM-000076-000	SPARE: FAN FOR 7XXX Front Panel	\$30
	Spare fan for CRD-7xxx 5.25" canister	



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### ORD-7220 RAID Controllers

The CMD Titan ORD-7220 is a high-performance, multi-channel, RAID controller. The ORD version is a 5.25" board-only version. Depending on the chassis in which it is used, the ORD-7220 is capable of single controller or dual-redundant hot-pluggable operation. The controller consists of a base board with two 80 MB per second Ultra2 SCSI disk drive interfaces, and a daughter card with dual 100 MB per second Fibre Channel host interfaces. The Titan architecture features active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support for striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. Consult the product brochure for additional information and details.

Part Number	Description / Extended Description	RLSP
ORD-007220-001	BOARD:5.25"FH 2X4CH FC/U2 000	\$3,649
	ORD-7220 base board / daughter card with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host interfaces and two 80 MB per second Ultra2 SCSI disk interfaces. Controller board comes with CMD card guide rail system and extraction handle. Accommodates two 168-pin DIMMs (not included). Redundant operation requires use of part number SPR-007240-004 (fail-over bus) or equivalent. Requires customer-designed backplane.	
SPR-007240-004	BOARD:FAILOVER BUS	\$185
	Inter-processor communication bus for use with dual controller CRD-7xxx 5.25" canister or ORD board configurations.	
SWK-107000-201	Developer's Kit	\$50
	The developers kit contains the Titan technical manuals and the Titan / Viper RTS manual. These manuals are not included with normal product shipments.	





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### CRD-7240 RAID Controllers

The CMD Titan CRD-7240 controllers are high-performance, multi channel, RAID controllers. The controllers are packaged in a standard 5.25" form factor full-height canister that includes a single controller or dual-redundant hot-pluggable controllers, redundant fans, and an attractive front door with a status panel. They feature active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support for striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. They feature advanced power and media management and dual copper 100 MB per second Fibre Channel host channels with four (4) 160 MB per second Ultra160 LVD SCSI disk channels. The models listed below are both single and dual redundant configurations, along with the upgrade controller. Consult the product brochure for additional information and details. Consult the Special Policies tab for information about CMD Titan customization.

Part Number	Description / Extended Description	RLSP
CRD-007240-120	CNSTR:5.25" FH 1X6 CH FC/U160	\$6,621
	Consists of a beige 5.25 inch full-height canister with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host ports and four 160 MB per second Ultra160 disk ports. Includes one hot-swappable RAID controller module (without cache memory), redundant hot-swappable cooling fans, front panel with user display, and Titan RMS graphical user interface. Upgradeable to a redundant controller configuration by adding a second FC/U160 controller module and inter-processor communications bus, part numbers <del>SPR-007040-000</del> , SPR-007240-001 and SPR-007240-004, respectively. Available with a black front panel as part number CRD-107240-120.	-- New RLSP -- See SP2000-02 in the Special Policies section.
CRD-007240-220	CNSTR:5.25" FH 2X6 CH FC/U160	\$11,771
	Consists of a beige 5.25 inch full-height canister with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host ports and four 160 MB per second Ultra160 disk ports. Includes redundant hot-swappable RAID controller modules (without cache memory), redundant hot-swappable cooling fans, front panel with user display, and Titan RMS graphical user interface. Available with black front panel as part number CRD-107240-220.	-- New RLSP -- See SP2000-02 in the Special Policies section.
SPR-007240-001	BOARD:5.25" HH 1X CH FC/U160	\$5,032
	RAID controller board (w/o cache memory) providing two Fibre Channel host channels and four Ultra160 LVD SCSI disk channels.	
SPR-007240-004	BOARD:FAILOVER BUS	\$185
	Inter-processor communication bus for use with dual controller CRD-7xxx 5.25" canister or ORD board configurations.	
SPR-007240-003	SPARE:CNSTR FRONT PNL, BEIGE	\$514
	Spare beige door assembly for CRD-7xxx 5.25" canister. Use as a spare or to convert a unit from black to beige color.	
SPR-107240-003	SPARE:CNSTR FRONT PNL, BLACK	\$514
	Spare black door assembly for CRD-7xxx 5.25" canister. Use as a spare or to convert a unit from black to beige color.	
SPR-007240-002	CNSTR:5.25" FH FC/SCSI BKPLN	\$1,750
	Spare CRD-7040/7240 canister (w/o controllers) with FC/SCSI backplane.	
HDM-000076-000	SPARE: FAN FOR 7XXX Front Panel	\$30
	Spare fan for CRD-7xxx 5.25" canister	





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### ORD-7240 RAID Controllers

The CMD Titan ORD-7240 is a high-performance, multi-channel, RAID controller. The ORD version is a 5.25" board-only version. Depending on the chassis in which it is used, the ORD-7240 is capable of single or dual-redundant hot-pluggable operation. The controller consists of a base board with four 160 MB per second Ultra160 LVD SCSI disk drive interfaces, and a daughter card with dual 100 MB per second Fibre Channel host interfaces. The Titan architecture features active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support for striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. Consult the product brochure for additional information and details.

Part Number	Description / Extended Description	RLSP
ORD-007240-001	BOARD:5.25"FH 2X4CH FC/U160	\$5,032
	ORD-7240 base board / daughter card with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host interfaces and four 160 MB per second Ultra160 SCSI disk interfaces. Controller board comes with CMD card guide rail system and extraction handle. Accommodates two 168-pin DIMMs (not included). Redundant operation requires use of part number SPR-007240-004 (fail-over bus) or equivalent. Requires customer-designed backplane.	
SPR-007240-004	BOARD:FAILOVER BUS	\$185
	Inter-processor communication bus for use with dual controller CRD-7xxx 5.25" canister or ORD board configurations.	
SWK-107000-201	Developer's Kit	\$50
	The developers kit contains the Titan technical manuals and the Titan / Viper RTS manual. These manuals are not included with normal product shipments.	



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### CRA-7280 RAID Controllers

The CMD Titan CRA-7280 controllers are high-performance, multi channel, rackmount RAID systems. The controllers are packaged in a standard 3U (5.25" high) 19" rackmount enclosure that includes a single controller or dual-redundant hot-pluggable controllers, power supplies, and fans, dual Fibre Channel interface modules, and a lockable front door with a status panel. They feature active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support for striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. They feature advanced power and media management and dual copper or optical Fibre Channel host channels with eight (8) 80 MB per second LVD Ultra2 SCSI disk channels. The models listed below are both single and dual redundant configurations, along with the upgrade controller. Consult the product brochure for additional information and details. Consult the Special Policies tab for information about CMD Titan customization. Note: GBIC port card models require customer supplied GBIC modules.

Part Number	Description / Extended Description	RLSP
CRA-007280-100	RKARY:3U BE MM 1BD 10CH FC/U2	\$18,169
	Consists of a beige 3U (5.25 inch high) rackmount enclosure with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host ports and eight 80 MB per second disk ports. Includes one removable 7280 RAID controller module (without DIMMs), two hot-swappable power supplies, two GBIC host port cards (does not include GBIC modules), redundant hot-swappable cooling fans, and lockable front panel. Upgradeable to dual-redundant controller configuration by adding a second controller module part number SPR-007080-000. Also available in exterior black fascia as part number CRA-107280-100.	
CRA-007280-110	RKARY:3U BE H 1BD 10CH FC/U2	\$18,169
	Consists of a beige 3U (5.25 inch high) rackmount enclosure with two 100 MB per second copper Fibre Channel Arbitrated Loop (FCAL) host ports and eight 80 MB per second disk ports. Includes one removable 7280 RAID controller module (without DIMMs), two hot-swappable power supplies, two HSSDC host port cards, redundant hot-swappable cooling fans, and lockable front panel. Upgradeable to dual-redundant controller configuration by adding a second controller module part number SPR-007080-000. Also available in exterior black fascia as part number CRA-107280-110.	
CRA-007280-200	RKARY:3U BE MM 2BD 10CH FC/U2	\$27,294
	Consists of a beige 3U (5.25 inch high) rackmount enclosure with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host ports and eight 80 MB per second disk ports. Includes two hot-swappable 7280 RAID controller modules (without DIMMs), two hot-swappable power supplies, two GBIC host port cards (does not include GBIC modules), redundant hot-swappable cooling fans, and lockable front panel. Also available in exterior black fascia as part number CRA-107280-200.	



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### CRA-7280 RAID Controllers continued...

Part Number	Description / Extended Description	RLSP
CRA-007280-210	RKARY:3U BE H 2BD 10CH FC/U2	\$27,294
	Consists of a beige 3U (5.25 inch high) rackmount enclosure with two 100 MB per second copper Fibre Channel Arbitrated Loop (FCAL) host ports and eight 80 MB per second disk ports. Includes two hot-swappable 7280 RAID controller modules (without DIMMs), two hot-swappable power supplies, two HSSDC host port cards, redundant hot-swappable cooling fans, and lockable front panel. Also available in exterior black fascia as part number CRA-107280-210.	
SPR-007080-000	BOARD:3U 7280 10CH FC/U2	\$10,297
	Removable 7280 RAID controller module (without DIMMs). For use in 7280 enclosure.	
SPR-007000-000	SPARE:CRA-7008 PWR SPLY	\$1,120
	Spare CRA-7280 Chassis power supply	
SPR-007208-001	SPARE:FCAL HSSDC MODULE	\$1,070
	Spare CRA-7280 HSSDC port card	
SPR-007208-000	SPARE:FCAL GBIC MODULE	\$1,070
	Spare CRA-7280 GBIC port card	
SPR-007008-001	SPARE: 7280 BEG DOOR ASSY	\$985
	Spare CRA-7280 door in beige	
SPR-107008-001	SPARE: 7280 BLK DOOR ASSY	\$985
	Spare CRA-7280 door in black	
SPR-000061-000	SPARE:TITAN 7280 FAN	\$110
	Spare CRA-7280 fan	
SPR-000039-000	SPARE:TITAN 7280 BEG OVERLAY	\$19
	Spare CRA-7280 front panel overlay in beige	
SPR-100039-000	SPARE:TITAN 7280 BEG OVERLAY	\$19
	Spare CRA-7280 front panel overlay in black	
SPR-007008-000	SPARE:5.25" RM RAID CHASSIS	\$5,200
	Spare CRA-7280 bare chassis, backplane and front panel Assy	
SPR-000034-000	SPARE:TITAN 7280 PANEL CABLE	\$29
	Spare CRA-7280 front panel cable	
SPR-007008-003	SPARE:TITAN 7280 PANEL PCB	\$525
	Spare CRA-7280 front panel PCB	
SWK-107000-201	Developer's Kit	\$50
	The developers kit contains the Titan technical manuals and the Titan / Viper RTS manual. These manuals are not included with normal product shipments.	



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### CRD-7400 RAID Controllers

The CMD Titan CRD-7400 controllers are high-performance, multi channel, RAID controllers. The controllers are packaged in a standard 5.25" form factor full-height canister that includes a single controller or dual-redundant hot-pluggable controllers, redundant fans, and an attractive front door with a status panel. They feature active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support for striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. They feature advanced power and media management and dual copper Fibre Channel host ports and dual copper Fibre Channel disk ports. The models listed below are both single and dual redundant configurations, along with the upgrade controller. Consult the product brochure for additional information and details. Consult the Special Policies tab for information about CMD Titan customization.

Part Number	Description / Extended Description	RLSP
CRD-007400-120	CNSTR:5.25" BE FH 1X4 CH FC1	\$6,866
	Consists of a beige 5.25 inch full-height canister with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host ports and two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) disk ports. Includes one hot-swappable RAID controller module (without cache memory), redundant hot-swappable cooling fans, front panel with user display, and Titan RMS graphical user interface. Upgradeable to a redundant controller configuration by adding a second FC controller module set and interprocessor communications bus, part numbers ORD-007400-000 and SPR-007040-001, respectively. Available with a black fascia as part number CRD-107400-120.	
CRD-007400-220	CNSTR:5.25" BE FH 2X4 CH FC1	\$12,207
	Consists of a beige 5.25 inch full-height canister with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host ports and two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) disk ports. Includes redundant hot-swappable RAID controller modules (without cache memory), redundant hot-swappable cooling fans, front panel with user display, and Titan RMS graphical user interface. Available with black fascia as part number CRD-107400-220.	
SPR-007400-001	BOARD:5.25" HH 4 FC1	\$5,424
	RAID controller board (w/o cache memory) providing two FC-AL host channels and two FC-AL disk channels	
SPR-007240-004	BOARD:FAILOVER BUS	\$185
	Inter-processor communication bus for use with dual controller CRD-7xxx 5.25" canister or ORD board configurations.	
SPR-007240-003	SPARE:CNSTR FRONT PNL, BEIGE	\$514
	Spare beige door assembly for CRD-7xxx 5.25" canister. Use as a spare or to convert a unit from black to beige color.	
SPR-107240-003	SPARE:CNSTR FRONT PNL, BLACK	\$514
	Spare black door assembly for CRD-7xxx 5.25" canister. Use as a spare or to convert a unit from black to beige color.	
SPR-007400-002	CNSTR:5.25" FH FC/FC BKPLN	\$1,750
	Spare 7400 5.25" FH canister (w/o controllers) with FC/FC backplane	
HDM-000076-000	SPARE: FAN FOR 7XXX Front Panel	\$30
	Spare fan for CRD-7xxx 5.25" canister	



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### ORD-7400 RAID Controllers

The CMD Titan ORD-7400 is a high-performance, multi-channel, RAID controller. The ORD version is a 5.25" board-only version. Depending on the chassis in which it is used, the ORD-7400 is capable of single controller or dual-redundant hot-pluggable operation. The controller consists of a base board with dual copper Fibre Channel 100 MB per second host channels, and a daughter card with dual 100 MB per second Fibre Channel disk channels. The Titan architecture features active/active or active/passive dual-redundant configurations implementing automatic fail-over and fail-back (AutoRebind™) and support for striping RAID 0, mirroring (RAID 1) striping + mirroring (RAID 0+1) and parity RAID (RAID 3/5) RAID levels along with support for JBOD disks. Consult the product brochure for additional information and details.

Part Number	Description / Extended Description	RLSP
ORD-007400-001	BOARD:5.25"FH 4CH FC1	\$5,424
	ORD-7400 base board / daughter card with two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) host interfaces two 100 MB per second Fibre Channel Arbitrated Loop (FCAL) disk interfaces. Controller board comes with CMD card guide rail system and extraction handle. Accommodates two 168-pin DIMMs (not included). Redundant operation requires use of part number SPR-007240-004 (fail-over bus) or equivalent. Requires customer-designed backplane.	
SPR-007240-004	BOARD:FAILOVER BUS	\$185
	Inter-processor communication bus for use with dual controller CRD-7xxx 5.25" canister or ORD board configurations.	
SWK-107000-201	Developer's Kit	\$50
	The developers kit contains the Titan technical manuals and the Titan / Viper RTS manual. These manuals are not included with normal product shipments.	



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### Viper II RAID Controllers

#### CRD-5440 RAID Controllers

The CRD-5440 is a 5.25 inch half-height canister mounted high-performance RAID controller designed for Integrators. The compact CRD-5440 provides a cost-effective multi-channel RAID controller, without sacrificing features, reliability, or data integrity. It has four 40 MB per second Ultra Fast Wide SCSI interfaces. One model offers all single-ended, another all low voltage differential (LVD), while the third offers two differential host interfaces and two single-ended drive interfaces. The CRD-5440 has two 72 pin SIMM slots (SIMMs not included). Consult the product data sheet for additional information and details.

Part Number	Description / Extended Description	RLSP
CRD-005440-101	CNSTR:5.25"HH 4CH SE RAID	\$2,995
	CRD-5440 with four 40 MB per second Ultra SCSI / Wide / single-ended interfaces, any number of which can be configured as host or disk channels.	
CRD-005440-102	CNSTR:5.25"HH 4CH HVD/SE RAID	\$3,495
	CRD-5440 with two 40 MB per second Ultra SCSI / Wide / Differential host interfaces and two 40 MB per second Ultra SCSI / Wide / single-ended disk interfaces.	
CRD-005440-104	CNSTR:5.25"HH 4CH LVD RAID	\$2,995
	CRD-5440 with four 40 MB per second Low Voltage Differential (LVD) Ultra SCSI interfaces, any number of which can be configured as host or disk channels. Includes StorageView Lite Local Non-Redundant media and license.	
CRD-005440-201	CNSTR:5.25"HH 4CH SE W/O OVERL	\$2,995
	CRD-5440 with four 40 MB per second Ultra SCSI / Wide / single-ended interfaces, any number of which can be configured as host or disk channels. Shipped without the mylar overlay.	
CRD-005440-202	CNSTR:5.25"HH 4CH HVD W/O OVER	\$3,495
	CRD-5440 with two 40 MB per second Ultra SCSI / Wide / Differential host interfaces and two 40 MB per second Ultra SCSI / Wide / single-ended disk interfaces. Shipped without the mylar overlay.	
CRD-005440-204	CNSTR:5.25"HH 4CH LVD W/O OVER	\$2,995
	CRD-5440 with four 40 MB per second Low Voltage Differential (LVD) Ultra SCSI interfaces, any number of which can be configured as host or disk channels. Includes StorageView Lite Local Non-Redundant media and license. Shipped without the mylar overlay.	



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### CRD-5500 RAID Controllers

The CRD-5500 is a flexible multi-channel RAID controller. It can be operated standalone or dual redundant. As a dual redundant system, the CRD-5500 provides a high performance active / active (or active / passive) system with automatic fail-over and AutoRebind™. The CRD-5500 is packaged in a 5.25 inch full-height canister, designed for Integrators. The controller provides flexibility and investment protection by using a modular approach to SCSI interfaces. Increased performance and expanded subsystem connectivity can be achieved by installing additional SCSI modules. A CRD-5500 can accommodate up to nine SCSI channel modules that can be configured as host (up to four) or disk (up to eight) channels. SCSI channel modules are available in Fast single-ended, Ultra Wide single-ended, Ultra Wide differential (high voltage) versions, and Ultra Wide LVD (low voltage differential). The CRD-5500 supports four 72 pin SIMM slots (SIMMs not included). Consult the product data sheet for additional information and detail

Part Number	Description / Extended Description	RLSP
CRD-005500-101	CNSTR:5.25"FH 0CH RAID 0CACHE	\$3,525
	Base CRD-5500 with no SCSI channel modules and no cache memory. Includes RS232 cable and user documentation.	
CRD-005530-000	EXPAN:5500 CHANL MOD SE N(8)	\$395
	Channel Module for CRD-5500. 10 MB per second. SCSI-2 FAST, single-ended Interface Module. May be used as Disk channel only.	Limited Availability
CRD-005540-002	EXPAN:5500 CHANL MOD SE UW(16)	\$495
	Channel Module for CRD-5500. 40 MB per second. Ultra SCSI / Wide / single-ended Interface Module. May be used as Disk or Host channel.	
CRD-005560-002	EXPAN:5500 CHANL MOD DIFUW(16)	\$595
	Channel Module for CRD-5500. 40 MB per second. Ultra SCSI / Wide / High Voltage Differential (HVD) Interface Module. May be used as Disk or Host channel.	
CRD-005580-000	EXPAN:5500 CHANL MOD LVD ULTRA	\$549
	Channel Module for CRD-5500. 40 MB per second. Ultra SCSI / Wide / Low Voltage Differential (LVD) Interface Module. May be used as Disk or Host channel.	
AAK-005500-000	EXPAN:5500 REDUNDT CNTRL KIT	\$175
	Redundant Controller Kit Includes cable for interconnecting two CRD-5500's in an active-active failover configuration and failover manual. Required for redundant operation of two CRD-5500s.	
HSB-005500-101	CNSTR:5.25"FH 0CH 0CACHE NO OL	\$3,525
	Base CRD-5500 with no SCSI channel modules, no cache memory, and without a mylar overlay. Includes RS232 cable and user documentation.	





# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### CRD-5640 RAID Dual Controllers

The CRD-5640 RAID systems feature high-performance active / active (or active / passive) dual redundant controllers, featuring automatic fail-over, AutoRebind™, and hot-pluggability. The product is a 5.25" full-height canister, housing up to two controllers. This allows easy implementation by Integrators into almost any standard storage or server enclosure. The CRD-5640 supports from 2 to 42 SCSI disk drives, depending on the model. The CRD-5640 has four 40 MB per second Ultra Fast/Wide SCSI interfaces. One model offers all single-ended, another all low voltage differential (LVD), while the third offers two differential (HVD) host interfaces and two single-ended. The CRD-5640 may operate standalone, or be configured in pairs for fault-tolerant configurations. The models listed below are dual controller configurations. Consult the product data sheet for additional information and details.

Part Number	Description / Extended Description	RLSP
CRD-005641-232	CNSTR:5.25"FH 2X4CH SE/SE 064	\$8,934
	Consists of a beige 5.25 inch full-height canister with four 40 MB per second Ultra SCSI Wide single-ended interfaces. May be configured as one host and three drive channels or two host and two drive channels. Includes two (2) 5641 RAID controllers, each with two 16 MB 72 pin SIMMs (32 MB per controller), each in a half-height removable canister. Dual controllers used in a redundant configuration. Includes StorageView Lite Local Redundant media and license. Includes two 36 inch serial port cables. Customer supplied external batteries required. Also available in exterior black as part number CRD-105641-232.	
CRD-005641-264	CNSTR:5.25"FH 2X4CH SE/SE 128	\$9,953
	Same as CRD-005641-232, except it includes two 32 MB SIMMs per controller for a total of 64 MB per controller	
CRD-005641-228	CNSTR:5.25"FH 2X4CH SE/SE 256	\$13,110
	Same as CRD-005641-232, except it includes two 64 MB SIMMs per controller for a total of 128 MB per controller.	
CRD-005641-256	CNSTR:5.25"FH 2X4CH SE/SE 512	\$19,714
	Same as CRD-005641-232, except it includes two 128 MB SIMMs per controller for a total of 256 MB per controller.	
CRD-005642-232	CNSTR:5.25"FH 2X4CH DIF/SE 064	\$8,934
	Consists of a beige 5.25 inch full-height canister with two Ultra SCSI differential Wide host interfaces and two Ultra SCSI single-ended Wide disk interfaces. Includes two (2) 5642 RAID controllers, each with two 16 MB 72 pin SIMMs (32 MB per controller), each in a half-height removable canister. Dual controllers used in a redundant configuration. Includes StorageView Lite Local Redundant media and license. Includes two 36 inch serial port cables. Customer supplied batteries required. Also available in exterior black as part number CRD-105642-232.	
CRD-005642-264	CNSTR:5.25"FH 2X4CH DIF/SE 128	\$9,953
	Same as CRD-005642-232, except it includes two 32 MB SIMMs per controller for a total of 64 MB per controller.	



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## Price Book

### CRD-5640 RAID Dual Controllers continued ...

Part Number	Description / Extended Description	RLSP
CRD-005642-228	CNSTR:5.25"FH 2X4CH DIF/SE 256	\$13,110
	Same as CRD-005642-232, except it includes two 64 MB SIMMs per controller for a total of 128 MB per controller.	
CRD-005642-256	CNSTR:5.25"FH 2X4CH DIF/SE 512	\$19,714
	Same as CRD-005642-232, except it includes two 128 MB SIMMs per controller for a total of 256 MB per controller.	
CRD-005644-200	CNSTR:5.25"FH 2X4CH LVD 000	\$8,395
	Consists of a beige 5.25 inch full-height canister with four 40 MB per second Ultra SCSI Wide LVD interfaces. May be configured as one host and three drive channels or two host and two drive channels. Includes two (2) 5644 RAID controllers, without cache memory, each in a half-height removable canister. Dual controllers used in a redundant configuration. Includes StorageView Lite Local Redundant media and license. Includes two 36 inch serial port cables. Customer supplied external batteries required. Also available in exterior black as part number CRD-105644-200.	
CRD-005641-200	CNSTR:5.25"FH 2X4CH SE/SE 000	\$7,995
	Consists of a 5.25 inch full-height canister with four 40 MB per second Ultra SCSI Wide single-ended interfaces. May be configured as one host and three drive channels or two host and two drive channels. Includes two (2) 5641 RAID controllers, each in a half-height removable canister. SIMMs not included. Dual controllers used in a redundant configuration. Includes StorageView Lite Local Redundant media and license. Includes two 36 inch serial port cables. Customer supplied external batteries required. Also available in exterior black as part number CRD-105641-200.	
CRD-005642-200	CNSTR:5.25"FH 2X4CH DIF/SE 000	\$8,395
	Consists of a beige 5.25 inch full-height canister with two Ultra SCSI differential Wide host interfaces and two Ultra SCSI single-ended Wide disk interfaces. Includes two (2) 5642 RAID controllers, each in a half-height removable canister. SIMMs not included. Dual controllers used in a redundant configuration. Includes StorageView Lite Local Redundant media and license. Includes two 36 inch serial port cables. Customer supplied batteries required. Also available in exterior black as part number CRD-105642-200.	



# CMD Technology, Inc.

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## Price Book

### CRD-5640 RAID Single Controllers

The CRD-5640 RAID system features high-performance active / active (or active / passive) dual redundant controllers, featuring automatic fail-over, AutoRebind™, and hot-pluggability. The product is a 5.25" full-height canister, housing up to two controllers. This allows easy implementation by Integrators into almost any standard storage or server enclosure. The CRD-5640 supports from 2 to 42 SCSI disk drives, depending on the model. The CRD-5640 has four 40 MB per second Ultra Fast/Wide SCSI interfaces. One model offers all single-ended, another all low voltage differential (LVD), while the third offers two differential (HVD) host interfaces and two single-ended. The CRD-5640 may operate standalone, or be configured in pairs for fault-tolerant configurations. The models listed below are single controller configurations. Consult the product data sheet for additional information and details.

Part Number	Description / Extended Description	RLSP
CRD-005641-132	CNSTR:5.25"FH 1X4CH SE/SE 032	\$4,717
	Consists of a beige 5.25 inch full-height canister with four 40 MB per second Ultra SCSI single-ended Wide interfaces. May be configured as one host and three disk channels or two host and two disk channels. Includes one (1) 5641 RAID controller with two 16 MB 72 pin SIMMs (32 MB) in a half-height removable canister. May be field upgraded to include a second 5641 RAID controller in a removable canister for redundant controller configurations. Includes two 36 inch serial port cables. Customer supplied external battery required. Also available in exterior black as part number CRD-105641-132.	
CRD-005641-164	CNSTR:5.25"FH 1X4CH SE/SE 064	\$5,226
	Same as CRD-005641-132, except with two 32 MB SIMMs for a total of 64 MB.	
CRD-005641-128	CNSTR:5.25"FH 1X4CH SE/SE 128	\$6,805
	Same as CRD-005641-132, except with two 64 MB SIMMs for a total of 128 MB.	
CRD-005641-156	CNSTR:5.25"FH 1X4CH SE/SE 256	\$10,107
	Same as CRD-005641-132, except with two 128 MB SIMMs for a total of 256 MB.	
CRD-005642-132	CNSTR:5.25"FH 1X4CH DIF/SE 032	\$4,717
	Consists of a beige 5.25 inch full-height canister with two 40 MB per second Ultra SCSI differential Wide host interfaces and two Ultra SCSI single-ended Wide disk interfaces. Includes one (1) 5642 RAID controller with two 16 MB 72 pin SIMMs (32 MB) in a half-height removable canister. May be field upgraded to include a second 5642 RAID controller in a removable canister for redundant controller configurations. Includes two 36 inch serial port cables. Customer supplied battery required. Also available in exterior black as part number CRD-105642-132.	
CRD-005642-164	CNSTR:5.25"FH 1X4CH DIF/SE 064	\$5,226
	Same as CRD-005642-132, except includes two 32 MB SIMMs for a total of 64 MB.	
CRD-005642-128	CNSTR:5.25"FH 1X4CH DIF/SE 128	\$6,805
	Same as CRD-005642-132, except includes two 64 MB SIMMs for a total of 128 MB.	
CRD-005642-156	CNSTR:5.25"FH 1X4CH DIF/SE 256	\$10,107
	Same as CRD-005642-132, except includes two 128 MB SIMMs for a total of 256 MB.	



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## Price Book

### CRD-5640 RAID Single Controllers continued ...

Part Number	Description / Extended Description	RLSP
CRD-005644-100	CNSTR:5.25"FH 1X4CH LVD 000	\$4,595
	Consists of a beige 5.25 inch full-height canister with four 40 MB per second Ultra SCSI LVD Wide interfaces. May be configured as one host and three disk channels or two host and two disk channels. Includes one (1) 5644 RAID controller, without cache memory, in a half-height removable canister. May be field upgraded to include a second 5644 RAID controller in a removable canister for redundant controller configurations. Includes StorageView Lite Local Non-Redundant media and license. Includes two 36 inch serial port cables. Customer supplied external battery required. Also available in exterior black as part number CRD-105644-100.	
CRD-005641-100	CNSTR:5.25"FH 1X4CH SE/SE 000	\$4,295
	Consists of a 5.25 inch full-height canister with four 40 MB per second Ultra SCSI single-ended Wide interfaces. May be configured as one host and three disk channels or two host and two disk channels. Includes one (1) 5641 RAID controller in a half-height removable canister. SIMMs not included. May be field upgraded to include a second 5641 RAID controller in a removable canister for redundant controller configurations. Includes StorageView Lite Local Non-Redundant media and license. Includes two 36 inch serial port cables. Customer supplied external battery required. Also available in exterior black as part number CRD-105641-100.	
CRD-005642-100	CNSTR:5.25"FH 1X4CH DIF/SE 000	\$4,595
	Consists of a beige 5.25 inch full-height canister with two 40 MB per second Ultra SCSI differential Wide host interfaces and two Ultra SCSI single-ended Wide disk interfaces. Includes one (1) 5642 RAID controller in a half-height removable canister. SIMMs not included. May be field upgraded to include a second 5642 RAID controller in a removable canister for redundant controller configurations. Includes StorageView Lite Local Non-Redundant media and license. Includes two 36 inch serial port cables. Customer supplied battery required. Also available in exterior black as part number CRD-105642-100.	



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## Price Book

### CRD-5640 RAID Upgrade Controllers

The CRD-5640 RAID systems feature high-performance active / active (or active / passive) dual redundant controllers, featuring automatic fail-over, AutoRebind™, and hot-pluggability. The product is a 5.25" full-height canister, housing up to two controllers. This allows easy implementation by Integrators into almost any standard storage or server enclosure. The CRD-5640 supports from 2 to 42 SCSI disk drives, depending on the model. The CRD-5640 has four 40 MB per second Ultra Fast/Wide SCSI interfaces. One model offers all single-ended, another all low voltage differential (LVD), while the third offers two differential (HVD) host interfaces and two single-ended. The CRD-5640 may operate standalone, or be configured in pairs for fault-tolerant configurations. The models listed below upgrade single controller configurations to dual controller, redundant configurations. Consult the product data sheet for additional information and details.

Part Number	Description / Extended Description	RLSP
CRD-005641-032	UPGRD:5.25" HH 1X 032 SE	\$4,317
	Consists of a beige 5641 SE / SE RAID controller with two 16 MB 72 pin SIMMs in a half-height removable canister. For use in CRD-005641-1XX only. Also available in exterior black as part number CRD-105641-032.	
CRD-005641-064	UPGRD:5.25" HH 1X 064 SE	\$4,826
	Same as CRD-005641-032, except with two 32 MB SIMMs for a total of 64 MB.	
CRD-005641-028	UPGRD:5.25" HH 1X 128 SE	\$6,405
	Same as CRD-005641-032, except with two 64 MB SIMMs for a total of 128 MB.	
CRD-005641-056	UPGRD:5.25" HH 1X 256 SE	\$9,707
	Same as CRD-005641-032, except with two 128 MB SIMMs for a total of 256 MB.	
CRD-005642-032	UPGRD:5.25" HH 1X 032	\$4,317
	Consists of a beige 5642-1XX DIF / SE RAID controller with two 16 MB 72 pin SIMMs in a half-height removable canister. For use in CRD-005642-1XX only. Also available in exterior black as part number CRD-105642-032.	
CRD-005642-064	UPGRD:5.25" HH 1X 064	\$4,826
	Same as CRD-005642-032, except it includes two 32 MB SIMMs for a total of 64 MB. For use in CRD-005642-1XX only.	
CRD-005642-028	UPGRD:5.25" HH 1X 128	\$6,405
	Same as CRD-005642-032, except it includes two 64 MB SIMMs for a total of 128 MB. For use in CRD-005642-1XX only.	
CRD-005642-056	UPGRD:5.25" HH 1X 256	\$9,707
	Same as CRD-005642-032, except it includes two 128 MB SIMMs for a total of 256 MB. For use in CRD-005642-1XX only.	



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## Price Book

### CRD-5640 RAID Upgrade Controllers continued...

Part Number	Description / Extended Description	RLSP
CRD-005644-000	UPGRD:5.25" HH 1X 000 LVD	\$4,195
	Consists of a beige 5641 LVD / LVD RAID controller, without cache memory, in a half-height removable canister. For use in CRD-005644-100 only. Also available in exterior black as part number CRD-105644-000.	
CRD-005641-000	UPGRD:5.25" HH 1X 000 SE	\$3,995
	Consists of a 5641 SE / SE RAID controller without SIMMs in a half-height removable canister. For CRD-005641-100 only. Also available in exterior black as part number CRD-105641-000.	
CRD-005642-000	UPGRD:5.25" HH 1X 000	\$4,195
	Consists of a beige 5642-1XX DIF / SE RAID controller in a half-height removable canister. SIMMs not included. For use in CRD-005642-1XX only. Also available in exterior black as part number CRD-105642-000.	

### CRD-5640 RAID Features

The following features are for the CRD-5640 family of RAID controllers.

Part Number	Description / Extended Description	RLSP
HWM-000020-000	INSTL:BEIGE FILLER PANEL	\$15
	Consists of a beige blank filler panel only.	
HWM-000020-0B0	INSTL:BLACK FILLER PANEL	\$15
	Consists of a black blank filler panel only.	
HWK-005646-000	INSTL:BEIGE FILLER PANEL KIT	\$50
	Consists of a beige blank filler panel and installation accessories.	
HWK-005646-0B0	INSTL:BLACK FILLER PANEL KIT	\$50
	Consists of a black blank filler panel and installation accessories.	



### CMD StorageView™ GUI Software Licenses

#### StorageView Licenses

CMD StorageView provides an easy to use management, control, and reporting tool for use with Viper and Viper II RAID controllers. It allows easy manipulation of system management functions such as RAID set creation and parameter modification. Features such as drag and drop are utilized in a highly intuitive fashion. Help prompts are presented as the mouse pointer is positioned over graphical objects. With the GUI, the system manager can control and configure the RAID systems locally or from a remote host. Remote control is enabled using the Simple Network Management Protocol (SNMP) and may be performed in a heterogeneous environment. StorageView is licensed to the CMD RAID controller(s). RAID controllers with four channels or less may use the "Lite" version of the product, while any supported CMD RAID controller may use the "Pro" version (unlimited channel support).

Part Number	Description	RLSP	Reseller
SVS-005101-LLL	LICEN:STORAGEVIEW LITE LOCAL S	\$295.00	\$225.00
	StorageView Lite Local License for a non-redundant configuration. Requires one valid RAID controller serial number.		
SVS-005101-LRL	LICEN:STORAGEVIEW LITE REMOTE S	\$595.00	\$475.00
	StorageView Lite Remote License for a non-redundant configuration. Requires one valid RAID controller serial number.		
SVS-005101-PLL	LICEN:STORAGEVIEW PRO LOCAL S	\$395.00	\$295.00
	StorageView Pro Local License for a non-redundant configuration. Requires one valid RAID controller serial number.		
SVS-005101-PRL	LICEN:STORAGEVIEW PRO REMOTE S	\$1,195.00	\$995.00
	StorageView Pro Remote License for a non-redundant configuration. Requires one valid RAID controller serial number.		
SVS-005002-LLL	LICEN:STORAGEVIEW LITE LOCAL R	\$295.00	\$225.00
	StorageView Lite Local License for a redundant configuration. Requires two valid RAID controller serial numbers. May not be used for non-redundant configurations.		
SVS-005002-LRL	LICEN:STORAGEVIEW LITE REMOTE R	\$595.00	\$475.00
	StorageView Lite Remote License for a redundant configuration. Requires two valid RAID controller serial numbers. May not be used for non-redundant configurations.		
SVS-005002-PLL	LICEN:STORAGEVIEW PRO LOCAL R	\$395.00	\$295.00
	StorageView Pro Local License for a redundant configuration. Requires two valid RAID controller serial numbers. May not be used for non-redundant configurations.		
SVS-005002-PRL	LICEN:STORAGEVIEW PRO REMOTE R	\$1,195.00	\$995.00
	StorageView Pro Remote License for a redundant configuration. Requires two valid RAID controller serial numbers. May not be used for non-redundant configurations.		
SVS-005001-MED	MEDIA:STORAGEVIEW MEDIA KIT	\$0.00	\$0.00
	StorageView Media Kit on CD-ROM. Includes all host versions. License key required for use.		





# CMD Technology, Inc.

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## Price Book

### StorageView Local-to-Remote Upgrades

There will be circumstances, where a customer through a reseller wishes to upgrade from the non-remote version, either non-redundant or redundant, of the StorageView software to the remote version. In those circumstances, based on the months of use, a credit for the initial purchase may be available. Listed below are the only situations where a credit for the initial purchase will be available. The upgrade charges shown are the net of the license charge for the new product less the credit for the old product. The upgrade license charges may not be discounted. The invoice date is the official start of product use date for credit calculation purposes. Each upgrade part number is two sections, reflecting the different credit based on the months of usage categories. The upgrade part number shows the RLSP (Recommended List Sale Price) and the authorized Reseller price for the upgrade. No credit is allowed after 24 months. After 24 months, the upgrade charge is simply the one associated with the desired new pr

<b>Months 1 - 12</b>			
<b>Part Number</b>	<b>Description</b>	<b>RLSP</b>	<b>Reseller</b>
SVS-005101-LRU	UPGRD:STORAGEVIEW LLL TO LRL	\$448.00	\$363.00
	SVS-005001-LLL or SVS-005101-LLL to SVS-005101-LRL.		
SVS-005101-PRU	UPGRD:STORAGEVIEW PLL TO PRL	\$998.00	\$848.00
	SVS-005001-PLL or SVS-005101-PLL to SVS-005101-PRL.		
SVS-005002-LRU	UPGRD:STORAGEVIEW LLL TO LRL	\$448.00	\$363.00
	SVS-005001-LLL or SVS-005101-LLL to SVS-005002-LRL.		
SVS-005002-PRU	UPGRD:STORAGEVIEW PLL TO PRL	\$998.00	\$848.00
	SVS-005001-PLL or SVS-005101-PLL to SVS-005002-PRL.		

<b>Months 13 - 24</b>			
<b>Part Number</b>	<b>Description</b>	<b>RLSP</b>	<b>Reseller</b>
SVS-005101-LRU	UPGRD:STORAGEVIEW LLL TO LRL	\$521.00	\$419.00
	SVS-005001-LLL or SVS-005101-LLL to SVS-005101-LRL.		
SVS-005101-PRU	UPGRD:STORAGEVIEW PLL TO PRL	\$1,096.00	\$921.00
	SVS-005001-PLL or SVS-005101-PLL to SVS-005101-PRL.		
SVS-005002-LRU	UPGRD:STORAGEVIEW LLL TO LRL	\$521.00	\$419.00
	SVS-005001-LLL or SVS-005101-LLL to SVS-005002-LRL.		
SVS-005002-PRU	UPGRD:STORAGEVIEW PLL TO PRL	\$1,096.00	\$921.00
	SVS-005001-PLL or SVS-005101-PLL to SVS-005002-PRL.		

<b>Months 25 and beyond</b>			
No credits for previous StorageView purchases allowed.			



### StorageView Standalone-to-Redundant Upgrades

Customers upgrading from standalone RAID controller configurations to redundant controller configurations will need to upgrade their StorageView software license. There is no increase in price of a StorageView redundant license over a standalone license. The only cost associated with this upgrade is a shipping and handling charge. This non-discountable cost is detailed below.

Part Number	Description	RLSP	Reseller
SVS-005002-LLU	UPGRD:5001-LLL to 5002-LLL	\$150.00	NA
	Field upgrades StorageView Lite Local from non-redundant to redundant.		
SVS-005002-LRR	UPGRD:5001-LRL to 5002-LRL	\$150.00	NA
	Field upgrades StorageView Lite Remote from non-redundant to redundant.		
SVS-005002-PLU	UPGRD:5001-PLL to 5002-PLL	\$150.00	NA
	Field upgrades StorageView Lite Local from non-redundant to redundant.		
SVS-005002-PRR	UPGRD:5001-PRL to 5002-PRL	\$150.00	NA
	Field upgrades StorageView Pro Remote from non-redundant to redundant.		



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### Accessories, Cables, SIMMs, and Spares

The following items represent accessories, cables, SIMMs, and spares for CMD Technology, Inc. products.

Part Number	Description / Extended Description	RLSP
CBR-200072-003	ACCES:72" POWER CORD	\$9
CNA-000011-001	ACCES:EXTRNL DIFF TERMINATOR	\$62
CNA-000011-000	ACCES:EXTRNL SE TERMINATOR	\$58
CBR-000022-068	CABLE: 22" 68-PIN EXT MAS / EXP	\$110
CBM-000024-000	CABLE:20" ENVIRONMENTAL CABLE	\$10
CBR-000072-068	CABLE:6' SCSI CABLE	\$130
CBF-000007-068	CABLE:INTERNAL EXP MASTER CHAS	\$99
CBR-000072-009	CABLE:TERMINAL CABLE	\$5
SIM-000500-016	MEM:016 MB 72 PIN SIMM	\$261
SIM-000500-032	MEM:032 MB 72 PIN SIMM	\$516
SIM-000500-064	MEM:064 MB 72 PIN SIMM	\$1,305
SIM-000500-128	MEM:128 MB 72 PIN SIMM	\$2,956
HSB-005330-102	SPARE:3CH 5330 CNTRL DIFF HOST	\$2,395
HSB-005330-101	SPARE:3CH 5330 CNTRL SE HOST	\$1,995
HSB-005646-000	SPARE:5.25"FH/BACKPLANE 0X 000	\$995
	Consists of a 5.25 inch full-height canister and backplane assembly. Can house one or two CRD-5640 RAID controller canister assemblies.	
HSB-005646-010	SPARE:5.25"FH/BACKPLANE 0X 000	\$995
	Consists of a beige 5.25 inch full-height canister and backplane assembly. Can house one or two CRD-5641 or CRD-5642 RAID controller canister assemblies. Includes two 36 inch serial port cables. Unlike part number assemblies may not be intermixed.	
HSB-105646-010	SPARE:5.25"FH/BACKPLANE 0X 000	\$995
	Consists of a black 5.25 inch full-height canister and backplane assembly. Can house one or two CRD-5641 or CRD-5642 RAID controller canister assemblies. Includes two 36 inch serial port cables. Unlike part number assemblies may not be intermixed.	
HSB-005648-010	SPARE:5.25"FH/BACKPLANE 0X 000	\$995
	Consists of a beige 5.25 inch full-height canister and backplane assembly. Can house one or two CRD-5644 RAID controller canister assemblies. Includes two 36 inch serial port cables. Will not support CRD-5640, CRD-5641, or CRD-5642 controllers.	
HSB-105648-010	SPARE:5.25"FH/BACKPLANE 0X 000	\$995
	Consists of a black 5.25 inch full-height canister and backplane assembly. Can house one or two CRD-5644 RAID controller canister assemblies. Includes two 36 inch serial port cables. Will not support CRD-5640, CRD-5641, or CRD-5642 controllers.	



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### Accessories, Cables, SIMMs, and Spares continued...

SWT-000004-000	SPARE:CRD-5500 4KEY MEMBN SWCH	\$25
CHS-CM5500-000	SPARE:CRD-5500 BARE CHASSIS	\$495
HDM-000024-002	SPARE:CRD-5500 COOLING FAN	\$70
CBM-000013-001	SPARE:CRD-5500 LCD CABLE	\$20
DSP-000003-000	SPARE:CRD-5500 LCD DISPLAY	\$65
CNA-000009-000	SPARE:DB9 TO DB25 ADAPTER	\$10
HSB-005977-001	SPARE:HH (16) DISK CANISTER	\$175
HSB-005976-001	SPARE:HH (8) DISK CANISTER	\$149
HDS-050000-000	SPARE:JACK SCREW FOR EXP CABLE	\$3
HSB-005977-000	SPARE:LP (16) DISK CANISTER	\$175
HSB-005976-000	SPARE:LP (8) DISK CANISTER	\$149
CBR-000036-009	SPARE:RS232 CABLE	\$30
HWK-005900-000	SPARE:UDAYTONA BACKUP BATT	\$99
SBA-RD5972-000	SPARE:UDAYTONA BATT CHARGE PCB	\$135
HWP-000060-000	SPARE:UDAYTONA DOOR/ LOGO	\$10
HWP-000060-011	SPARE:UDAYTONA DOOR/NO LGO	\$10
HDM-000030-000	SPARE:UDAYTONA FAN	\$45
SBA-RD5974-000	SPARE:UDAYTONA FAN CONTROL PCB	\$42
CHS-005978-000	SPARE:UDAYTONA PWR SPLY	\$439
SWK-007000-201	Developer's Kit	\$50
	This developers kit contains the Titan user manuals and the Titan RMS manual. These manuals are normally included with CRD product shipments, but not with ORD versions.	



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### Special Policies

The special policies are in effect as noted.

Special Policy	Special Policy Description	Date
SP2000-02	CRD-007240-120, CRD-007240-220, CRD-107240-120, and CRD-107240-220 are the subject of a price increase effective January 1, 2001. Pre-January 1, 2001 prices will remain in effect for all customers for all new orders until January 1, 2001, so long as delivery is specified on or before January 31, 2001. Orders that specify a delivery date of February 1, 2001, or later, will not be accepted at the pre-January 1, 2001 price. All orders received on January 1, 2001 or after, regardless of specified delivery date, are subject to the new list price.	11/06/00
SP2000-01	CRD-007220-120, CRD-007220-220, CRD-107220-120, and CRD-107220-220 are the subject of a price increase effective August 1, 2000. Pre-August 1, 2000 prices will remain in effect for all customers for all new orders until August 1, 2000, so long as delivery is specified on or before September 30, 2000. Orders that specify a delivery date of October 1, 2000 or later, will not be accepted at the pre-August 1, 2000 price. All orders received on August 1, 2000 or after, regardless of specified delivery date, are subject to the new list price.	05/31/00



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### Warranty: Advance Replacement Fees

The following fees are in effect for the listed product groups in accordance with the unified Warranty Policy and Procedures for CMD storage products. If a product is not listed below, no advance replacement service quotation can be offered without prior authorization from Marketing.

Product Group	Description	Fee USD \$
CRD-5500	Includes all models of CRD-5500s. Does not include channel cards.	\$400
CRD-564X	Includes all models of CRD-564X controllers (CRD-5640, CRD-5642, CRD-5642, CRD-5644). Only FRUs requiring actual replacement should be advance replaced.	\$350
CRD-54XX	Includes all models of CRD-54XX (CRD-5400-XXX and CRD-5440-XXX).	\$250
CRA-7280	Includes all models of the CRA-7280 family	\$550
CRD-7040	Includes all models of the CRD-7040 family	\$350
CRD-7220	Includes all models of the CRA-7220 family	\$350
CRD-7240	Includes all models of the CRA-7240 family	\$375
CRD-7400	Includes all models of the CRD-7400 family	\$375



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### CMD Titan™ Customization Policies

The following special policies apply to customization for the Titan CRA-7280, [CRD-7040](#), [CRD-7220](#), [CRD-7240](#), and [CRD-7400](#).

Item	Description
<b>Level 0 Customization</b>	Level 0 customization is the standard CRA-7280 or CRD- <a href="#">7040/7220/7240/7400</a> product without any customization. This does not preclude a customer from affixing their own logo to the product, or removing our operator panel overlay and applying their own. The means to secure custom operator panel overlays is detailed later in this section. Level 0 CRD-7280 / CRD- <a href="#">7040/7220/7240/7400</a> part numbers are listed in the standard price book in the Titan RAID tab.
<b>Level 1 Customization</b>	Level 1 customization includes having CMD apply a customer provided operator panel overlay and / or customer supplied logo on the key lock slide cover. The overlay and / or logo can only be applied to standard color CRA-7280 / CRD- <a href="#">7040/7220/7240/7400</a> products, as defined by those colors appearing in the standard products price book.
	Level 1 customization requires the establishment of a baseline customer unique part number, minimum annual volume of 120 units, and a per unit surcharge of \$50. Sales and Marketing management must approve all requests for level 1 customization, in advance of customer commitments.
<b>Level 2 Customization</b>	Level 2 customization includes having CMD produce a customer-specified color for the complete front panel and side trim pieces (plastics). It also includes CMD applying a customer provided operator panel overlay and / or customer supplied logo on the key lock slide cover.
	Level 2 customization requires the establishment of a baseline customer unique part number, minimum annual volume of not less than 240 units, and a per unit surcharge of \$75 for the CRA-7280 and \$35 for the CRD- <a href="#">7040/7220/7240/7400</a> . Sales and Marketing management must approve all requests for level 2 customization, in advance of customer commitments.
<b>Level 3 Customization</b>	Level 3 customization includes working with the customer to produce a customer-unique version of the complete front panel and side trim pieces (plastics). It may or may not also include CMD applying a customer provided operator panel overlay and / or customer supplied logo on the key lock slide cover (CRA-7280 only), depending upon who installs the custom front panel on the unit.
	Designs for customer unique front panels under level 3 customization will be required to abide by a number of requirements, including;
	1.) Maintain the minimum front-to-back airflow by providing sufficient openings.
	2.) Maintain the operator panel PCB and indicator arrangement.
	3.) Maintain the same general position of the operator panel on the front panel.
	4.) Maintain the same front-panel-to-chassis mechanical design.
	Customers desiring level 3 customization will be referred to our subcontractor who produces the standard front panels for the CRA-7280 / CRD- <a href="#">7040/7220/7240/7400</a> . The customer will be responsible for all costs incurred with the front panel subcontractor. When approved by Sales and Marketing management, we will provide the customer our design, and authorize our subcontractor to work with the design to achieve the design goals.





# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### CMD Titan Customization Policies continued...

The following special policies apply to customization for the Titan CRA-7280, and CRD-7220/7240 products.

Item	Description
	Level 3 customization requires the establishment of a baseline customer unique part number, minimum annual volume of not less than 480 units. A per unit surcharge may be levied if CMD is doing the assembly and test of the finished product with the custom front panel. Sales management and Marketing management must approve all requests for level 3 customization, in advance of customer commitments.
<b>Level 4 Customization</b>	Level 4 customization is that which causes modifications to the standard product beyond those defined in levels 1 – 3. Such modifications could include mechanical changes to the scheme for attaching the front panel or changes to the content and arrangement of the operator panel. Any customization not defined in levels 1 –3 are by definition, level 4. Level 4 customization is reserved for high-volume large-scale opportunities. Sales, Marketing, and Engineering management will judge the business merits and technical viability of level 4 customization requests on a case-by-case basis. All requests for level 4 customization must be documented in writing by Sales.
<b>CRA-7280 CRD-7220/7240 Operator Panel Overlays</b>	Operator panel overlays may be obtained directly by customers by purchasing them from Becker Manufacturing (714.692.1600). Customers should contact Becker Manufacturing directly for specific quotations and terms.



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### Definitions

The following definitions apply to terms used in this CMD Technology, Inc. price book.

Term	Description
ACCES	Abbreviation for Accessories.
BOARD	Board, as in printed circuit board. Typically board level products for OEM usage.
CABLE	Cable, as is I/O and interconnecting cables.
CNSTR	Abbreviation for Canister. Products in a metal enclosure ready for Integrator use.
EVAL	Abbreviation for Evaluation. Items typically not intended for normal use.
EXPAN	Abbreviation for Expansion. Items used to expand basic configurations.
FCAL	Fibre Channel Arbitrated Loop
GBIC	Gigabit Interface Converters
HSSDC	High Speed Serial Data Connector
INSTL	Abbreviation for Installation. Items used to install products.
LICEN	Abbreviation for License. License for software.
Limited Availability	Part numbers that are classified as "Limited Availability" require that availability be confirmed before an order is accepted and delivery is committed. A "Limited Availability" part number is usually nearing the end of its production life, but sufficient quantities of the product may be available to maintain it as an active part number for a limited period of time.
MEDIA	Media, typically associated with software media.
MEM	Abbreviation for Memory. Typically components such as SIMMs.
OEM	Acronym for Original Equipment Manufacturer
OEMBL	Abbreviation for OEM Base Line product. Represents an OEM specific part number.
RLSP	Acronym for Recommended List Selling Price.
Sales Mgmnt	Requires Sales Management approval for pricing and sale prior to quote.
SIMM	Acronym for Single Inline Memory Module.
SPARE	Spares, as in items needed for repair. Items sold as spares only, not for regular sale.
Special Terms	Special terms apply to the sale of the part number. Consult Sales management.
SUBSY	Abbreviation for Subsystem. Typically complete enclosures with RAID controller(s).
UPGRD	Abbreviation for Upgrade. Upgrade items, typically sold as field upgrades.



# CMD Technology, Inc.

Effective: November 6, 2000

## Price Book

### Change Control

Date	Change
6-Nov-00	The first distribution of the price book incorrectly listed <b>CRD-007220-200</b> in the 7040 section where it should have listed <b>CRD-007040-200</b> .
6-Nov-00	Change <b>SWK-107280-201</b> Developers Kit part number to <b>SWK-107000-201</b> .
6-Nov-00	Addition of <b>SWK-007000-201</b> Developers Kit part number.
6-Nov-00	Addition of <b>SPR-007240-001</b> (complete FC/Ultra160 controller FRU)
6-Nov-00	Price decrease for <b>SPR-007220-001</b> from \$4,405 to \$3,649, effective 11/6/00.
6-Nov-00	Deleted <b>SPR-007040-000</b> (Ultra160 controller) and <b>SPR-007240-001</b> (FC daughterboard)
6-Nov-00	Addition of CRD-7400, ORD-7400, CRD-7040, and ORD-7040 sections and P/Ns to price book
6-Nov-00	Added Special Policy SP2000-02 for <b>CRD-7240</b> increase.
6-Nov-00	Price increase for <b>CRD-X07240-220</b> from \$9,325 to \$11,771, effective 01/01/01.
6-Nov-00	Price increase for <b>CRD-X07240-120</b> from \$5,195 to \$6,621, effective 01/01/01.
16-Aug-00	Addition of <b>HDM-000076-000</b> to CRD-7220 and CRD-7240 sections.
16-Aug-00	Addition of ORD-7220 section and <b>ORD-007220-001</b> part number to the price book.
16-Jun-00	The RLSP for the CRD-007220-120 in the "Quick Prices by Part Number" was incorrectly listed at \$4,585, where it should have \$4,858. The price is listed correctly in the detailed section.
31-May-00	Price increase for CRD-X07220-220 from \$7,926 to \$8,719, effective 8/1/00.
31-May-00	Price increase for CRD-X07220-120 from \$4,416 to \$4,858, effective 8/1/00.
31-May-00	Added Special Policies section.
31-May-00	Corrected all occurrences of part number SPR-107040-003 to SPR-107240-003.
31-May-00	Corrected all occurrences of part number SPR-007040-003 to SPR-007240-003.
31-May-00	Corrected all occurrences of part number SPR-007040-001 to SPR-007240-004.
31-May-00	Added new definitions to the Definitions section.
21-Feb-00	Added SWK-107280-201 Developer's Kit part number for the CRA-7280.
21-Feb-00	Modification of CMD Titan Customization Policies to reflect addition of CRD-7220.
21-Feb-00	Added CRD-7220-120 and CRD-7220-220 to Quick List.
21-Feb-00	Added Advance replacement fees for CRD-7220 and CRD-7240.
21-Feb-00	Addition of CRD-7220 section and part number to the price book.
10-Dec-99	Addition of CRA-7280 spare parts and added advanced replacement fee.
11-Nov-99	Modification of CMD Titan Customization Policies to reflect addition of CRD-7240.
11-Nov-99	Addition of CRD-7240 section and part number to the price book
14-Jul-99	Modified CRA-7280-100 and CRA-7280-200 prices in "Quick Prices by Part Number" section equal CRA-7280-110 and CRA-7280-210 pricing respectively (reflects customer supplied GBIC modules)
14-Jul-99	Modified CRA-7280-100 and CRA-7280-200 descriptions to remove references to multi-mode GBIC port cards and to add text "(does not include GBIC modules)"
14-Jul-99	Added note "GBIC port card models require customer supplied GBIC modules" to page 12
14-Jul-99	Changed CRA-7280-100 and CRA-7280-200 pricing to equal CRA-7280-110 and CRA-7280-210 pricing respectively (reflects customer supplied GBIC modules)
28-Jun-99	Remove all UltraDaytona part numbers from the Price Book detail.
28-Jun-99	Remove all UltraDaytona part numbers from the Quick List by Part Number.
28-Jun-99	Correct <b>CBA-RD5972-000</b> to <b>SBA-RD5972-000</b> in the Accessories subsection.
28-Jun-99	Correct <b>CBA-RD5974-000</b> to <b>SBA-RD5974-000</b> in the Accessories subsection.



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## Price Book

### Change Control continued...

Date	Change
18-May-99	All part numbers of the Trident product line were removed. Contact CMD Sales Management if there are any questions on Trident.
04-May-99	All UltraDaytona chassis part numbers classified as "Limited Availability".
08-Apr-99	Added back the <b>CRD-005644-200</b> entry in the Viper II RAID products subsection. It was inadvertently deleted in the conversion to Word on 29-Mar-99.
29-Mar-99	Table of Contents added.
29-Mar-99	"Quick Prices by Part Number" subsection added.
29-Mar-99	Convert the price book to Word and change all subsection references to subsection references.
12-Mar-99	Add <b>CRD-005440-104/204</b> part numbers to Viper II RAID Products subsection.
09-Mar-99	Added entire Special Policies subsection to Price Book.
09-Mar-99	Add <b>SPR-007080-000</b> part numbers to Titan RAID Products subsection.
09-Mar-99	Add <b>CRA-107280-100/110</b> (black exterior) part numbers to Titan RAID Products subsection.
09-Mar-99	Add <b>CRA-007280-100/110</b> (beige exterior) part numbers to Titan RAID Products subsection.
09-Mar-99	Add <b>CRA-107280-200/210</b> (black exterior) part numbers to Titan RAID Products subsection.
09-Mar-99	Add <b>CRA-007280-200/210</b> (beige exterior) part numbers to Titan RAID Products subsection.
16-Feb-99	Add various CRD-5640 features from OEM price book to Viper II RAID products subsection.
12-Feb-99	Add definition of <b>Special Terms</b> to Definitions subsection.
16-Feb-99	Add CRD-105641-000/100/200 (black exterior) part numbers to Viper II RAID Products subsection.
16-Feb-99	Add CRD-005641-000/100/200 (beige exterior) part numbers to Viper II RAID Products subsection.
16-Feb-99	Add CRD-105642-000/100/200 (black exterior) part numbers to Viper II RAID Products subsection.
16-Feb-99	Add CRD-005642-000/100/200 (beige exterior) part numbers to Viper II RAID Products subsection.
12-Feb-99	Reprice <b>HWS-005900-150/250/170/270</b> (See IB99013) with <b>Special Terms</b> .
12-Feb-99	Reprice <b>HWS-005934-140/240</b> (See IB99013) with <b>Special Terms</b> .
12-Feb-99	Reprice <b>HWS-005933-140/240</b> (See IB99013) with <b>Special Terms</b> .
12-Feb-99	Add HWS-005934-140/160/240/260 to the Viper II RAID Products subsection (from OEM book).
12-Feb-99	Add <b>HWS-005933-140/160/240/260</b> to the Standard Products price book (from OEM).
08-Feb-99	Add <b>HSB-005648-010</b> and <b>HSB-105648-010</b> to Parts and Accessories subsection.
08-Feb-99	Add CRD-105644-000/100/200 (black exterior) part numbers to Viper II RAID Products subsection.
08-Feb-99	Add CRD-005644-000/100/200 (beige exterior) part numbers to Viper II RAID Products subsection.
11-Jan-99	Add <b>HDM-000024-002</b> to Parts and Accessories subsection.
11-Jan-99	Delete <b>HDM-000024-001</b> from Parts and Accessories subsection.
06-Jan-99	Add <b>HDM-000024-001</b> to Parts and Accessories subsection.
06-Jan-99	Delete <b>HDM-000024-000</b> from Parts and Accessories subsection.
22-Dec-98	Minor update to the text description of the CRD-5500 in the Viper II RAID Products subsection.
21-Oct-98	Remove CRD-005400-101 from Viper II RAID Products subsection.
21-Oct-98	Add <b>Sales Mgmnt</b> definition to Definitions subsection.
21-Oct-98	Add Trident Products in new Trident Products subsection.



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## Price Book

### Change Control continued...

Date	Change
14-Sep-98	Add Advance Replacement Fees in new Warranty subsection.
21-Aug-98	Delete CRD-005640-0XX/1XX/2XX part numbers from Viper II RAID Products subsection.
21-Aug-98	Modify CRD-005560-002 extended description to clarify is as a High Voltage Differential (HVD) product in Viper II RAID Products subsection.
21-Aug-98	Add CRD-005580-000 LVD channel card for CRD-5500 in Viper II RAID Products subsection.
13-Aug-98	Delete <b>SBA-RD5510-000</b> part number from the Parts and Accessories subsection. Use part number <b>CRD-005500-101</b> .
07-Aug-98	Modify <b>HSB-X05646-010</b> extended descriptions to reflect bundling of two serial cables in Parts and Accessories subsection.
07-Aug-98	Modify CRD-005641/5642-0XX/1XX extended descriptions to reflect bundling of two serial cables with -1XX/2XX part numbers and no cables with -000 part numbers in Viper II RAID Products subsection.
07-Aug-98	Add INSTL definition to the Definitions subsection.
10-Jul-98	Modify CRD-005641/5642-0XX/1XX/2XX descriptions (beige) in Viper II RAID Products subsection.
10-Jul-98	Add <b>HSB-105646-010</b> (black exterior) to Parts / Accessories subsection.
10-Jul-98	Add 3 CRD-105642-0XX/1XX/2XX (black exterior) part numbers to Viper II RAID Products subsection.
10-Jul-98	Add 3 CRD-105641-0XX/1XX/2XX (black exterior) part numbers to Viper II RAID Products subsection.
03-Jul-98	Add 12 CRD-005642-0XX/1XX/2XX part numbers to Viper II RAID Products subsection.
03-Jul-98	Change CRD-005640-0XX/1XX/2XX to Limited Availability in Viper II RAID Products subsection.
19-May-98	Correct part number from <b>SVS-005002-LLL</b> to <b>SVS-005002-LLU</b> in Software subsection.
19-May-98	Correct part number from <b>SVS-005002-LRL</b> to <b>SVS-005002-LRR</b> in Software subsection.
19-May-98	Correct part number from <b>SVS-005002-PLL</b> to <b>SVS-005002-PLU</b> in Software subsection.
19-May-98	Correct part number from <b>SVS-005002-PRL</b> to <b>SVS-005002-PRR</b> in Software subsection.
19-May-98	Correct short description of <b>CBR-000036-009</b> in Parts and Accessories subsection.
19-May-98	Correct short description of <b>SVS-005002-LRU</b> in Software subsection (two occurrences).
19-May-98	Update short descriptions of CRD-005440-201/202 in Viper II RAID Products subsection.
19-May-98	Update short descriptions of CRD-005641-032/064/028/056 in Viper II RAID Products subsection.
13-May-98	Add HSB-005500-101 part number / description to Viper II RAID Products subsection.
13-May-98	Minor change to the extended description of CRD-005500-101 in Viper II RAID Products subsection.
01-May-98	Initial release.



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## Price Book

### Deleted Part Numbers

The following items represent products, accessories, cables, SIMMs, and spares that have been deleted from the Price Book. They are provided for reference only, and are not orderable.

Part Number	Description	RLSP
SWK-107280-201	Replaced by SWK-107000-201	\$50
SPR-007240-001	BOARD: 2XFC DTRBD	\$2,405
SPR-007040-000	BOARD:5.25" HH 1X CH U160	\$2,780
CRD-005400-101	CNSTR:5.25"HH 3CH SE RAID	\$1,795
CRD-005640-028	UPGRD:5.25" HH 1X 128	\$6,405
CRD-005640-032	UPGRD:5.25" HH 1X 032	\$4,317
CRD-005640-056	UPGRD:5.25" HH 1X 256	\$9,707
CRD-005640-064	UPGRD:5.25" HH 1X 064	\$4,826
CRD-005640-128	CNSTR:5.25"FH 1X4CH DIF/SE 128	\$6,805
CRD-005640-132	CNSTR:5.25"FH 1X4CH DIF/SE 032	\$4,717
CRD-005640-156	CNSTR:5.25"FH 1X4CH DIF/SE 256	\$10,107
CRD-005640-164	CNSTR:5.25"FH 1X4CH DIF/SE 064	\$5,226
CRD-005640-228	CNSTR:5.25"FH 2X4CH DIF/SE 256	\$12,815
CRD-005640-232	CNSTR:5.25"FH 2X4CH DIF/SE 064	\$8,639
CRD-005640-256	CNSTR:5.25"FH 2X4CH DIF/SE 512	\$19,419
CRD-005640-264	CNSTR:5.25"FH 2X4CH DIF/SE 128	\$9,658
HDM-000024-000	SPARE:CRD-5500 COOLING FAN	\$70
HWS-005900-150	EXPAN:CAB/5HH NARROW(8)	\$1,895
HWS-005900-170	EXPAN:CAB/7LP NARROW(8)	\$1,945
HWS-005900-250	EXPAN:CAB/5HH WIDE(16)	\$1,995
HWS-005900-270	EXPAN:CAB/7LP WIDE(16)	\$2,045
HWS-005933-140	SUBSY:3CH RAID 4HH SE(8)	\$2,299
HWS-005933-141	SUBSY:3CH RAID 16 4HH SE(8)	\$5,995
HWS-005933-160	SUBSY:3CH RAID 6LP SE(8)	\$2,299
HWS-005933-161	SUBSY:3CH RAID 16 6LP SE(8)	\$5,995
HWS-005933-240	SUBSY:3CH RAID 4HH SE(16)	\$2,399
HWS-005933-241	SUBSY:3CH RAID 16 4HH SE(16)	\$6,118
HWS-005933-260	SUBSY:3CH RAID 6LP SE(16)	\$2,399
HWS-005933-261	SUBSY:3CH RAID 16 6LP SE(16)	\$6,118
HWS-005934-140	SUBSY:3CH RAID 4HH D/SE(8)	\$2,499
HWS-005934-141	SUBSY:3CH RAID 16 4HH D/SE(8)	\$6,395
HWS-005934-160	SUBSY:3CH RAID 6LP D/SE(8)	\$2,499
HWS-005934-161	SUBSY:3CH RAID 16 6LP D/SE(8)	\$6,395
HWS-005934-240	SUBSY:3CH RAID 4HH D/SE(16)	\$2,599
HWS-005934-241	SUBSY:3CH RAID 16 4HH D/SE(16)	\$6,518
HWS-005934-260	SUBSY:3CH RAID 6LP D/SE(16)	\$2,599
HWS-005934-261	SUBSY:3CH RAID 16 6LP D/SE(16)	\$6,518
SBA-RD5510-000	SPARE:CRD-5500 SYSTEM MODULE	\$1,658
UGK-005933-000	UPGRD:3CH 5330 CNTRL SE HOST	\$2,109
UGK-005934-000	UPGRD:3CH 5330 CNTRL DIFF HOST	\$2,509