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## HP Storage Arrays

Product Number	Product Description	Qty	Price (RM)
<b>HP LeftHand P4000 SAN Solutions</b>			
AY456A	<b>HP StorageWorks P4300 G2 6TB MDL SAS Storage System</b> <b>8 MDL SAS Drives, 750 GB, 7,200 RPM</b> 1 year 9x5 software phone support & software updates 1 year hardware maintenance on-site, next business day	1	18,888
BK719A	<b>HP P4300 G2 8TB MDL SAS Storage System</b> <b>8 MDL SAS Drives, 1TB, 7,200 RPM</b> 1 year 9x5 software phone support & software updates 1 year hardware maintenance on-site, next business day	1	22,888
<u>Additional</u>			
UT412E	HP 3 year Support Plus 24 P4300 G2 Storage System Hardware Support (3/3/3, 24X7, 4H)	1	10,774
UT418E	HP 5 year Support Plus 24 P4300 G2 Storage System Hardware Support (5/5/5, 24X7, 4H)	1	19,570
UJ714E	Tech Startup LeftHand P4K Int LTU Svc Used for 1 to 4 nodes installations at the same physical site. Use this for installations of the Virtualization and Starter SANs	1	6,365
<b>HP Network Storage System - Optimized file and unified storage</b>			
BV857A	HP StorageWorks X1500 G2 4TB SATA Network Storage System (4 x 1TB LFF SATA)	1	11,990
BV854A	HP StorageWorks X1400 G2 4TB SATA Network Storage System (4 x 1TB SATA)	1	11,990
<b>HP D2600 Disk Enclosures (LFF SAS/SATA)</b>			
AJ940A	<b>HP StorageWorks D2600 Disk Enclosure</b> <b>Options :</b> 407339-B21 HP Ext Mini SAS 2m Cable 309 432238-B21 HP Ext Mini SAS 4m Cable 395 432239-B21 HP Ext Mini SAS 6m Cable 623 462830-B21 HP P411/256 Smart Array Controller 1,127 462832-B21 HP P411/512 BBWC Smart Array Controller 995 462834-B21 HP P212/256 Smart Array Controller 808 516814-B21 HP 300GB 6G SAS 15K 3.5in Dp ENT HDD 2,055 516816-B21 HP 450GB 6G SAS 15K 3.5in Dp ENT HDD 3,061 516828-B21 HP 600GB 6G SAS 15K 3.5in Dp ENT HDD 3,135 458928-B21 HP 500GB 3G SATA 7.2K 3.5in MDL HDD 1,139 454146-B21 HP 1TB 3G SATA 7.2K 3.5in MDL HDD 1,363	1	6,584
<b>HP D2700 Disk Enclosures (SFF SAS/SATA)</b>			
AJ941A	<b>HP StorageWorks D2700 Disk Enclosure</b> <b>Options :</b> 407339-B21 HP Ext Mini SAS 2m Cable 309 432238-B21 HP Ext Mini SAS 4m Cable 395 432239-B21 HP Ext Mini SAS 6m Cable 623 462830-B21 HP P411/256 Smart Array Controller 1,127 462832-B21 HP P411/512 BBWC Smart Array Controller 995 462834-B21 HP P212/256 Smart Array Controller 808 507125-B21 HP 146GB 6G SAS 10K 2.5in DP ENT HDD 963 507127-B21 HP 300GB 6G SAS 10K 2.5in DP ENT HDD 1,836 512545-B21 HP 72GB 6G SAS 15K 2.5in DP ENT HDD 1,152 512547-B21 HP 146GB 6G SAS 15K 2.5in DP ENT HDD 1,639 507610-B21 HP 500GB 6G SAS 7.2K 2.5in MDL HDD 1,202 507750-B21 HP 500GB 3G SATA 7.2K 2.5in MDL HDD 1,087	1	7,161

HP MSA50 Enclosures (SFF SAS/SATA)			
	<ul style="list-style-type: none"> <li>• 1U rack height.</li> <li>• Supports up to 10 SFF SAS and/or SATA Universal hard disk drives.</li> <li>• Provides storage capacity of up to 1.4TB per enclosure (using 146GB 10K disk drives)</li> <li>• Cascadable 1+1 for up to 20 spindles in a 2U configuration or 2.8TB.</li> </ul> <i>EOL Date: May 2011</i>		
<b>364430-B21</b>	<b>MSA 50 Enclosure</b>	<b>1</b>	<b>4,043</b>
	<b>Options :</b>		
419572-B21	HP SAS to Mini 4m Cable (For P800 & E500 controller)		538
389671-B21	HP Ext SAS 4m Cable (for P600 controller)		563
381513-B21	HP Smart Array P800 Controller /512 BBWC Controller		2,617
512545-B21	HP 72GB 6G SAS 15K 2.5 inch SFF DP ENT HDD		1,152
507125-B21	HP 146GB 6G SAS 10K 2.5 inch SFF DP ENT HDD		963
512547-B21	HP 146GB 6G SAS 15K 2.5 inch SFF DP ENT HDD		1,639
507127-B21	HP 300GB 6G SAS 10K 2.5 inch SFF DP ENT HDD		1,836
507610-B21	HP 500 GB 6G SAS 7.2K 2.5 inch SFF DP MDL HDD		1,202
HP MSA60 Enclosures (LFF SATA/SAS)			
	<ul style="list-style-type: none"> <li>• 2U rackmount form factor</li> <li>• 3 Gb/s SAS host connectivity</li> <li>• Multi Initiator support (HP-UX and Open VMS on selected HP Integrity Servers) with dual port SAS drives only</li> <li>• Supports HP SAS 3 Gb/s disk drives, (36 GB, 72 GB, 146 GB and 300 GB capacities)</li> <li>• Supports HP SATA 1.5 Gb/s disk drives, (250 GB, 500 GB, &amp; 750 GB capacities)</li> <li>• Maximum storage capacity of 3.6 TB (with twelve HP SAS 3 Gb/s,) or 9TB (with twelve HP SATA 1.5 Gb/s 750 GB hard drives)</li> <li>• 1+3 Cascade support (behind a single SAS port)</li> <li>• Supports boot from storage</li> <li>• Redundant hot-plug power supplies and fans standard</li> <li>• Addition of second I/O Module adds Dual Domain capability providing higher level of redundancy and reliability</li> </ul> <i>EOL Date: May 2011</i>		
<b>418408-B21</b>	<b>HP MSA60 Enclosure</b>	<b>1</b>	<b>6,584</b>
	<b>Options :</b>		
AG779A	HP StorageWorks Modular Dual Domain I/O Module Option Kit		1,145
432238-B21	Mini SAS 4X4M Cable (For P800 & E500 controller)		395
419572-B21	HP SAS to Mini 4m Cable (For P600 controller)		538
381513-B21	HP Smart Array P800 Controller /512 BBWC Controller		2,617
516816-B21	HP 450GB 6G SAS 15K 3.5-inch DP ENT HDD		3,061
516828-B21	HP 600GB 6G SAS 15K 3.5-inch DP ENT HDD		3,135
454146-B21	HP 1TB 3G 7.2K 3.5-inch SATA MDL HDD		1,363
458928-B21	HP 500 GB 3G 7.2K 3.5-inch SATA MDL HDD		1,139
HP MSA70 Enclosures (SFF SATA/SAS)			
	<ul style="list-style-type: none"> <li>• 3 Gb/s SAS host connectivity</li> <li>• Multi Initiator support (HP-UX and Open VMS on selected HP Integrity Servers) with dual port SAS drives only</li> <li>• Supports twenty five 2.5" hot pluggable drives</li> <li>• Supports HP SAS 3 Gb/s disk drives, (36GB, 72GB, 146GB capacities)</li> <li>• Supports HP SATA 1.5Gb/s disk drives, (60GB and 120GB capacities)</li> <li>• Maximum storage capacity of 3.6TB (with twenty five 146GB HP SAS 3Gb/s), or 3TB (with twenty five HP SATA 1.5Gb/s 120GB hard drives)</li> <li>• Attached to Smart Array P800, the Smart Array E500 or the HP Smart Array P600 controllers for HP ProLiant Servers</li> <li>• Attached to HP SC44Ge Host Bus Adapter for HP-UX and Open VMs support on selected HP Integrity Servers (servers that support PCI-e cards)</li> <li>• Supports MS Windows 2003, Red Hat Linux, SUSE Linux, Novell NetWare, HP-UX 11iv2 and 11iv3, Open VMS 8.3 1H</li> <li>• 1+1 Cascade support (behind a single SAS port)</li> <li>• Supports boot from storage</li> <li>• Redundant hot-plug power supplies and fans standard</li> <li>• Addition of second I/O Module adds Dual Domain capability providing higher level of redundancy and reliability</li> </ul> <i>EOL Date: May 2011</i>		
<b>418800-B21</b>	<b>HP MSA70 Enclosure</b>	<b>1</b>	<b>7,161</b>
	<b>Options :</b>		
AG779A	HP StorageWorks Modular Dual Domain I/O Module Option Kit		1,145
432238-B21	Mini SAS 4X4M Cable (For P800 & E500 controller)		395
419572-B21	HP SAS to Mini 4m Cable (For P600 controller)		538
381513-B21	HP Smart Array P800 Controller /512 BBWC Controller		2,617
512545-B21	HP 72GB 6G SAS 15K 2.5 inch SFF DP ENT HDD		1,152
507125-B21	HP 146GB 6G SAS 10K 2.5 inch SFF DP ENT HDD		963
512547-B21	HP 146GB 6G SAS 15K 2.5 inch SFF DP ENT HDD		1,639
507127-B21	HP 300GB 6G SAS 10K 2.5 inch SFF DP ENT HDD		1,836
507610-B21	HP 500 GB 6G SAS 7.2K 2.5 inch SFF DP MDL HDD		1,202