

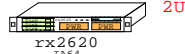
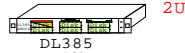
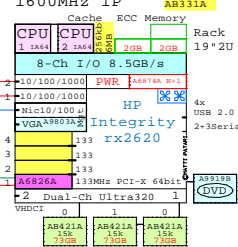
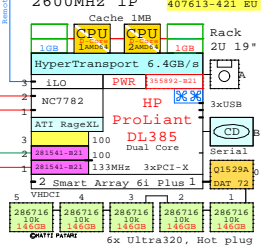
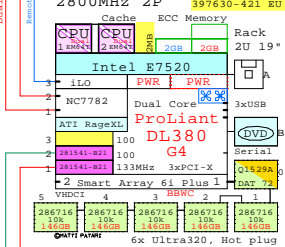
Industrial Standard X64 Volume Servers, 2U

IA64 Server, 2U

Intel Xeon MP EM64T
2800MHz 2P 397630-421 EU

AMD64 Opteron 286
2600MHz 1P 407613-421 EU

Intel Itanium2 IA64
1600MHz 1P AB331A



2Gb Fibre Channel

BOM for one DL380 G4 host

Part Number	Qty	Description
1	1	397630-421 1 DL380 G4 2P DC 2800MHz-2MB 2GB EM64T SCS
1.1	2	281541-B21 2 HBA 2Gb/s PCI FC3214 for Linux
1.2	5	146.8GB 10000r U320 disk 1"
1.3	1	343056-B21 1 2GB FC2 PC3200 DDR2 SDRAM kit(2x1GB)
1.4	1	Q15294 1 HP DAT 72 Tape Drive Hot-Plug

BOM for one DL385 host

Part Number	Qty	Description
1	1	407613-421 1 HP DL385 1P DC 2.6GH 1GB SCSI AMD285
1.1	2	281541-B21 2 HBA 2Gb/s PCI FC3214 for Linux
1.2	5	146.8GB 10000r U320 disk 1"
1.3	1	293048-B21 1 DL380 G3 hot plug blower kit_3x fans
1.4	1	355892-B21 1 DL380 G4 second AC power supply
1.5	1	364507-B21 1 Floppy drive kit DL380 G4 SCSI only
1.6	1	376638-B21 1 PC3200 1GB DDR SDRAM DIMM kit 2x512MB
1.7	1	407624-B21 1 DL385 2.6GHz DC AMD64 286 CPU option kit
1.8	1	Q15294 1 HP DAT 72 Tape Drive Hot-Plug

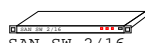
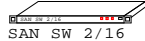
BOM for one rx2620 host

Part Number	Qty	Description
1	1	AB331A 1 HP rx2620 1P SC 1600MHz-6MB 0GB
1.1	1	A6826A 1 PCI-X 2Gb/s 2-ch FibreChan Lin OVMS
1.2	1	A6874A 1 2nd Power supply rx2620
1.3	1	A9803A 1 rx2620 Management Option, NIC VGA
1.4	1	A9119B 1 DVD-ROM rx2620 slim line
1.5	1	AB334A 1 1.6GHz-6MB Itanium2 Processor rx2620
1.6	2	AB396A 2 Memory HP rx2620 2GB DDR 4x512MB
1.7	3	AB421A 3 73GB 15000r U320 disk rx2620

BOM for FC Switches

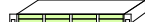
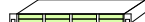
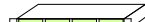
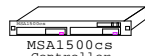
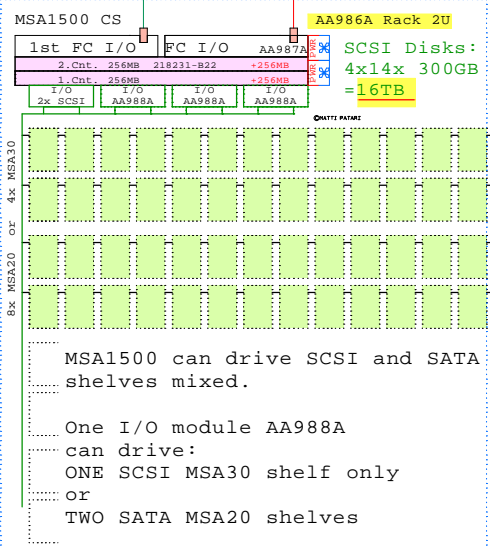
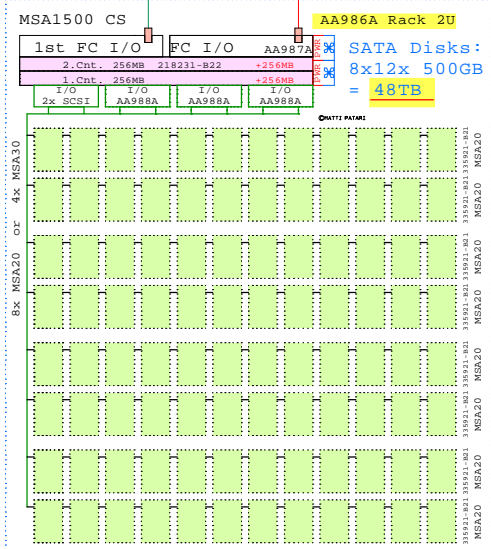
Part Number	Qty	Description
1	1	322118-B21 1 SAN Switch 2/16 dual pwr
1.1	5	Opt.Short Wave Transceiver 2Gb/s SFP-SW
2	1	322118-B21 1 SAN Switch 2/16 dual pwr
2.1	5	Opt.Short Wave Transceiver 2Gb/s SFP-SW

2Gb Fibre Channel LC-LC cables
4 + 4 cables
221692-B21 LC-LC 2m

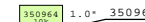
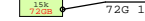
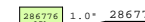
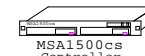


SATA

SCSI



MSA20 SATA 18U



MSA30 SB 14U

MSA1500 can drive SCSI and SATA shelves mixed.
One I/O module AA988A can drive:
ONE SCSI MSA30 shelf only
or
TWO SATA MSA20 shelves

SCSI Disks

286776-15K 16GB	1.0*	286776-B22	36G 15k U320
286778-75K 14GB	1.0*	286778-B22	72G 15k U320
347708-15K 14GB	1.0*	347708-B22	146G 15k U320
350964-10K 10GB	1.0*	350964-B22	300G 10k U320

BOM for MSA1500 with SATA disks

Part Number	Qty	Description
1	1	AA986A 1 MSA1500CS FC RAID Array 256MB Rack 2U
1.1	1	218231-B22 1 MSA1000 Redundant Controller 256MB
1.1.1	1	254786-B21 1 256MB cache module for Smart Array ctrlr
1.2	1	254786-B21 1 256MB cache module for Smart Array ctrlr
1.3	8	MSA20 SATA Raid 12 slot Ultra320
1.4	1	AA987A 1 MSA1500 FC I/O module with 2Gb SFP
1.5	3	AA988A 3 MSA1500 SCSI I/O Dual channel module
2	1	349238-B21 1 160GB SATA Hot Plug 7200r disk 1"
3	1	349239-B21 1 250GB SATA Hot Plug 7200r disk 1"
4	1	395473-B21 1 500GB SATA Hot Plug 7200r disk 1"

SATA Disks

349238-B21	160GB 7.2k SATA
349239-B21	250GB 7.2k SATA
395473-B21	500GB 7.2k SATA

BOM for MSA1500 with SCSI disks

Part Number	Qty	Description
1	1	AA986A 1 MSA1500CS FC RAID Array 256MB Rack 2U
1.1	1	218231-B22 1 MSA1000 Redundant Controller 256MB
1.1.1	1	254786-B21 1 256MB cache module for Smart Array ctrlr
1.2	1	254786-B21 1 256MB cache module for Smart Array ctrlr
1.3	4	MSA30 Single Bus Ultra320 14x1"
1.4	1	AA987A 1 MSA1500 FC I/O module with 2Gb SFP
1.5	3	AA988A 3 MSA1500 SCSI I/O Dual channel module
2	1	286776-B22 1 36GB 15000r U320 disk 1"
3	1	286778-B22 1 72GB 15000r U320 disk 1"
4	1	347708-B21 1 146.8GB 15000r U320 disk 1"
5	1	350964-B22 1 300GB 10000r U320 disk 1"

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<http://www.LinuxHPC.org>
<http://goldeneggs.spyderbyte.com/>

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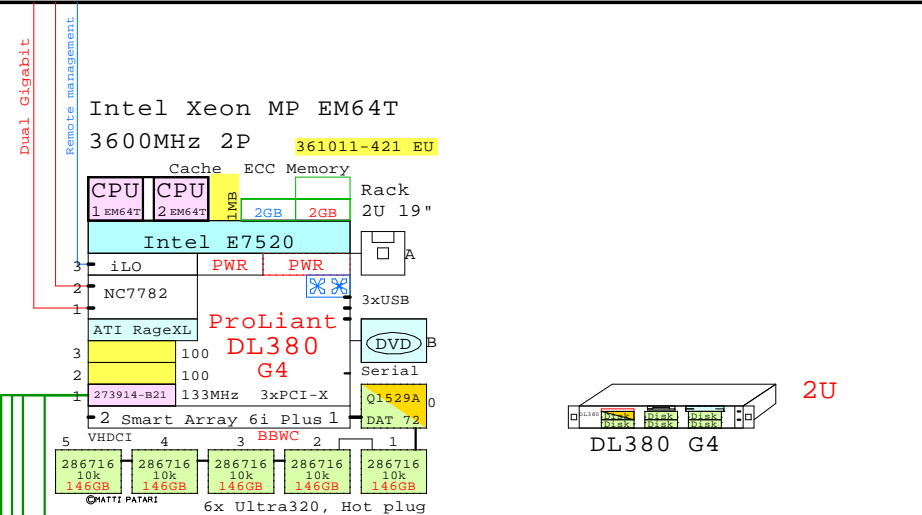
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GOLDEN EGGS Visuals™ Helsinki	17-May-2006	GTMSA1500a
		Matti.Patari@Kolumbus.Fi

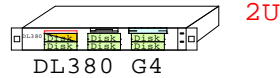
HP MSA1500cs with 2U HP Servers
GOLDEN EGGS Visuals, Helsinki

MSA1500cs SATA/SCSI

For more detailed configuring, please consult the latest HP QuickSpecs.
Detailed configurations are serviced at: <http://www.VisioCafe.com>
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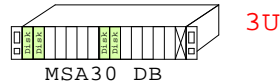
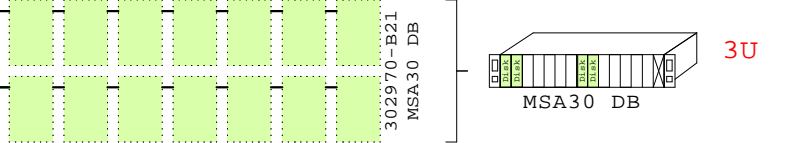
273915-B21
Smart Array 6402/128



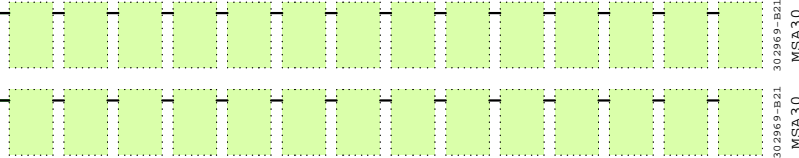
One or two VHDCI-VHDCI cables included in MSA30.

Smart Array 6404/256

MSA30 Dual Bus SCSI Storage



MSA30 Single Bus SCSI Storage



SCSI Disks

286776-15k 36GB	1.0"	286776-B22	36G 15k U320
286778-15k 72GB	1.0"	286778-B22	72G 15k U320
347708-15k 146GB	1.0"	347708-B22	146G 15k U320
350964-10k 300GB	1.0"	350964-B22	300G 10k U320

BOM for the DL380 G4 host

Part Number	Qty	Description
286716-B22	5	146.8GB 10000r U320 disk 1"
343056-B21	1	2GB PC2 PC3200 DDR2 SDRAM kit (2x1GB)
361011-421	1	DL380 G4 2P 3600MHz-1MB 2GB EM64T 2U
Q1529A	1	HP DAT 72 Tape Drive Hot-Plug

MSA30 storage products

Part Number	Qty	Description
273914-B21	1	Smart Array 6404/256 Ultra320 4-chan
273915-B21	1	Smart Array 6402/128 Ultra320 2-chan
286776-B22	1	36GB 15000r U320 disk 1"
286778-B22	1	72.8GB 15000r U320 disk 1"
302969-B21	2	MSA30 Single Buss Ultra320 14x1"
302970-B21	1	MSA30 Dual Buss Ultra320 7+7 1"
347708-B21	1	146.8GB 15000r U320 disk 1"
350964-B22	1	300GB 10000r U320 disk 1"

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HP StorageWorks MSA30, SCSI
GOLDEN EGGS Visuals, Helsinki

MSA30 SCSI

storage hardware graph.html.pdf
server visuals on grid computing
diagram.html.html.html.html.pdf
network.html.html.html.html.html.pdf
operation.html.html.html.html.html.pdf
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For more detailed configuring, please consult the latest HP QuickSpecs.
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MSA1500cs SATA/SCSI

HP MSA1500cs with 2U HP Servers
GOLDEN EGGS Visuals, Helsinki

First rev 10-Dec-04