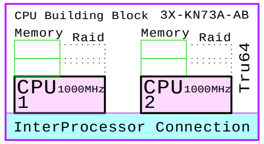
AlphaServer ES47 M2 & M4 System, EV7/1000,64bits

3 Memory Options 1-4

512MB RAID 128MB	3X-MS7AB-AA 3X-MS7AB-AC	Max memory= 4x2GB RAID is optional
1GB 256MB	3X-MS7AB-BA 3X-MS7AB-BC	
2GB 512MB	3X-MS7AB-CA 3X-MS7AB-CC	

2 CPU Building Block

1000MHz EV7

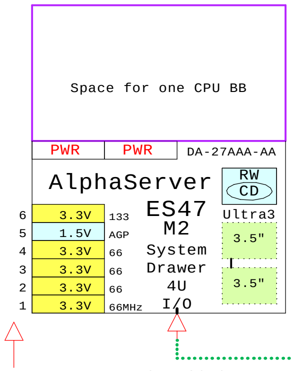


3X-KN73A-AB Tru64 UNIX
3X-KN73A-AC OpenVMS

1 ES47 Base System Drawer

Mandatory

DA-27AAA-AA Tru64
DY-27AAA-AA OVMS

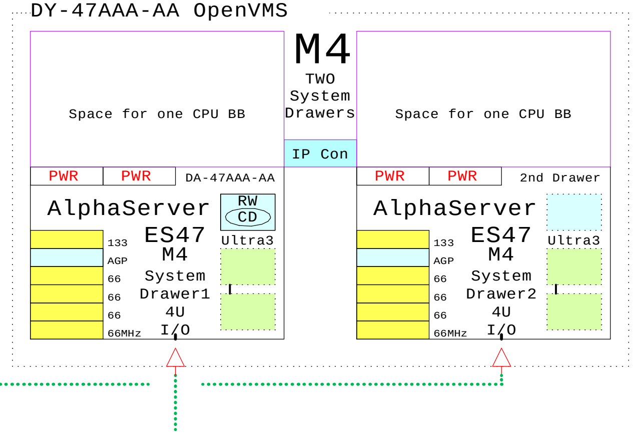


M2
ONE System Drawer

24x

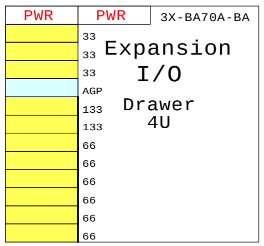
2xUSB for
-Mouse
-Kb

DA-47AAA-AA Tru64 UNIX
DY-47AAA-AA OpenVMS



3X-BNPCB-02 I/O exp.cable 3m

3X-BA70A-BA



4 System Disk 1-2

A3079 36GB	3R-A3079-AA	36GB,15k
A3050 72GB	3R-A3050-AA	72GB,10k

5 Ethernet OR Gigabit

3X-DE602-BB	3X-DE602-BB	Dual port
3X-DEGXA-TA	3X-DEGXA-TA	UTP/RJ45

6 Cabinet41U PDU 1-2 Mfg Build

3X-H9A45-ZD	11000 CPU-Cabinet 41U noPDU
3X-H7606-AA	PDU 120/208V
3X-H7606-AB	PDU 380/415V
YS-ASCAA-AA	Factory Integration

Graphics

SN-PBXGF-BC	SN-PBXGF-BC	3Dlabs Oxygen VX1 AGP 2D
SN-PBXGG-AB	SN-PBXGG-AB	ATI Radeon 7500 2D AGP

Fibre Channel

DS-KGPSA-DA	DS-KGPSA-DA	FibreChannel adapter 2Gbit/s 66MHz 3.3V

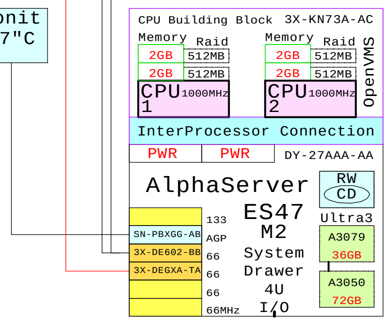
7 Mouse and Keyboard

SN-PBQWS-WB Mouse USB
3R-LKQ50-AA USB UNIX
3X-LK463-A2 USB OVMS

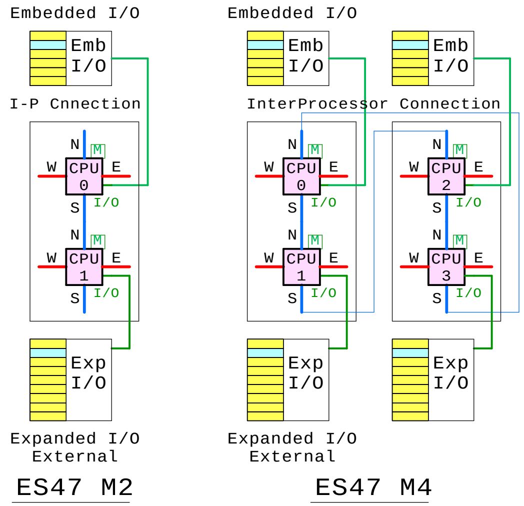
Gigabit 10/100

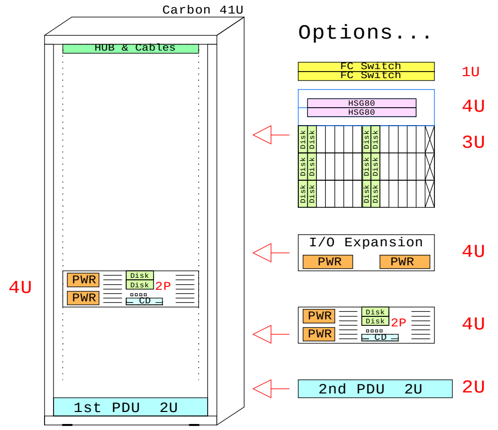
Monit 17"C

OpenVMS
1000MHz EV7



3X-H9A45-ZD 11000 CPU-Cabinet 41U noPDU
3X-H7606-AA PDU 120/208V
YS-ASCAA-AA Factory Integration





AlphaServer ES47 M2 in 41U cabinet
Model 4 includes two base drawers.

BOM of the OpenVMS system above.

Part Number	Qty	Description
3R-A3050-AA	1	72.8GB 10000r Ultra3 SCSI disk 1"
3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
3R-A3389-AA	1	COMPAQ Monitor P720 17" NH, EU VGAcable
3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
3X-H7606-AA	1	PDU 120/208V
3X-H9A45-ZD	1	41U 11000-Series CPU-Cabinet,no PDUs
3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
3X-MS7AB-CA	4	GS-ES 2GBB Memory Option 4x512 RDRAM
3X-MS7AB-CC	4	GS-ES 512MB RAID Memory 1x512MB RDRAM
DY-27AAA-AA	1	AS ES47 Model 2 System OpenVMS 4U
SN-PBXGG-AB	1	ATI Radeon 7500 2D AGP graphics accelara
YS-ASCAA-AA	1	System Factory Integration

	@1000MHz
SPECint2000	775
SPECfp2000	1275

Software Processor Code: E

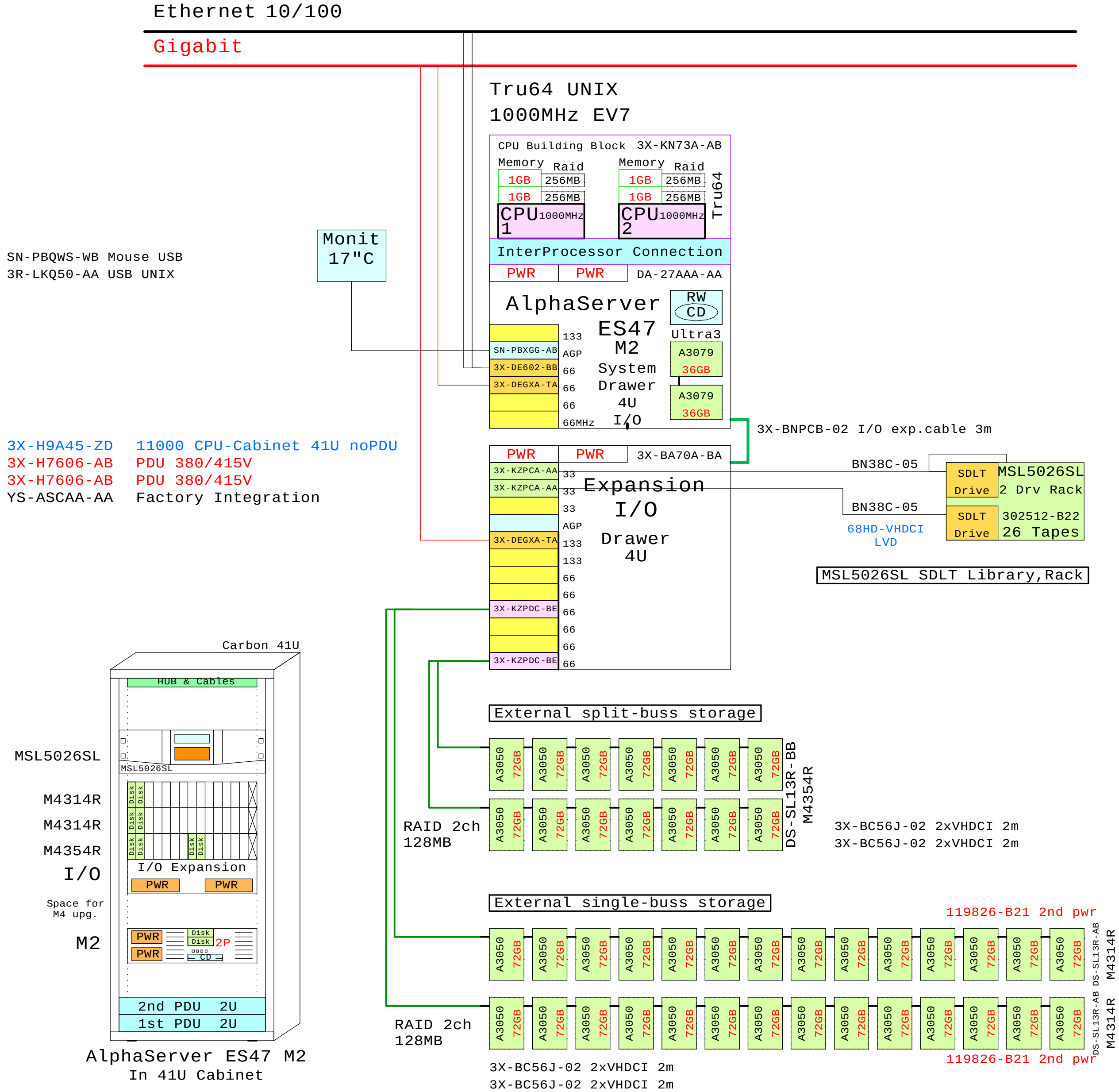
For more detailed configuring, please consult the latest HP QuickSpecs.

Generated with fresh GOLDEN EGGS Software, Rev:28-Oct-2002 Since:Oct-2002 www.Compaq.com/golden-eggs

ES47 M2&M4

11-Nov-2002 GEAES47b1
Matti.Patari@HP.com
AlphaServer ES47 M2&M4 1000MHz
GOLDEN EGGS Visuals, Helsinki

AlphaServer ES47 M2 Tru64 UNIX System



BOM for this system

	Part Number	Qty	Description
1	DA-27AAA-AA	1	AS ES47 Model 2 System Tru64 UNIX 4U
1.1	3R-A3079-AA	2	36.4GB Uscsi3 15k Universal disk 1"
1.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
1.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
1.4	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
1.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
1.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
1.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
1.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
1.4.3	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
1.4.3.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
1.4.4	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
1.4.4.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
1.5	SN-PBXGG-AB	1	ATI Radeon 7500 2D AGP graphics accelara
2	3X-BA70A-BA	1	ES47 Expansion I/O drawer 4U factory ins
2.1	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
2.2	3X-KZPCA-AA	2	Single channel LVD adapter
2.3	3X-KZPDC-BE	2	U160 2-Ch RAID 128MB PCI 66MHz 3.3v
3	DS-SL13R-AB	1	Modula M4314R single buss,14x 1.0" Int
3.1	3R-A3050-AA	14	72.8GB 10000r Ultra3 SCSI disk 1"
4	DS-SL13R-AB	1	Modula M4314R single buss,14x 1.0" Int
4.1	3R-A3050-AA	14	72.8GB 10000r Ultra3 SCSI disk 1"
5	DS-SL13R-BB	1	Modula M4354R dual buss, 7+7, 1.0" Int
5.1	3R-A3050-AA	14	72.8GB 10000r Ultra3 SCSI disk 1"
6	302512-B22	1	MSL5026SL SDLT Lib.2xDrv,Rack,Grap,LVD
7	3R-A3389-AA	1	COMPAQ Monitor P720 17" NH, EU VGAcable
8	3X-H9A45-ZD	1	41U 11000-Series CPU-Cabinet,no PDUs
9	YS-ASCAA-AA	1	System Factory Integration
10	3X-H7606-AB	2	PDU 380/415V
11	3X-BNPCB-02	1	ES47 I/O expansion cable 3m
12	3X-BC56J-02	4	Ultra3 160 Cable VHDCI-VHDCI 06ft
13	SN-PBQWS-WB	1	Compaq 3-button mouse, USB
14	3R-LKQ50-AA	1	U.S/English keyboard Tru64 UNIX, USB
15	119826-B21	2	Modula M42/314R 2nd power supply
16	BN38C-05	2	Ultra Cbl VHDCI - 68HD

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Since:Nov-2002

13-Nov-2002 GTAUES47b1

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AlphaServer ES47 M2 UNIX Syst.

GOLDEN EGGS Visuals, Helsinki

ES47 M2 UNIX

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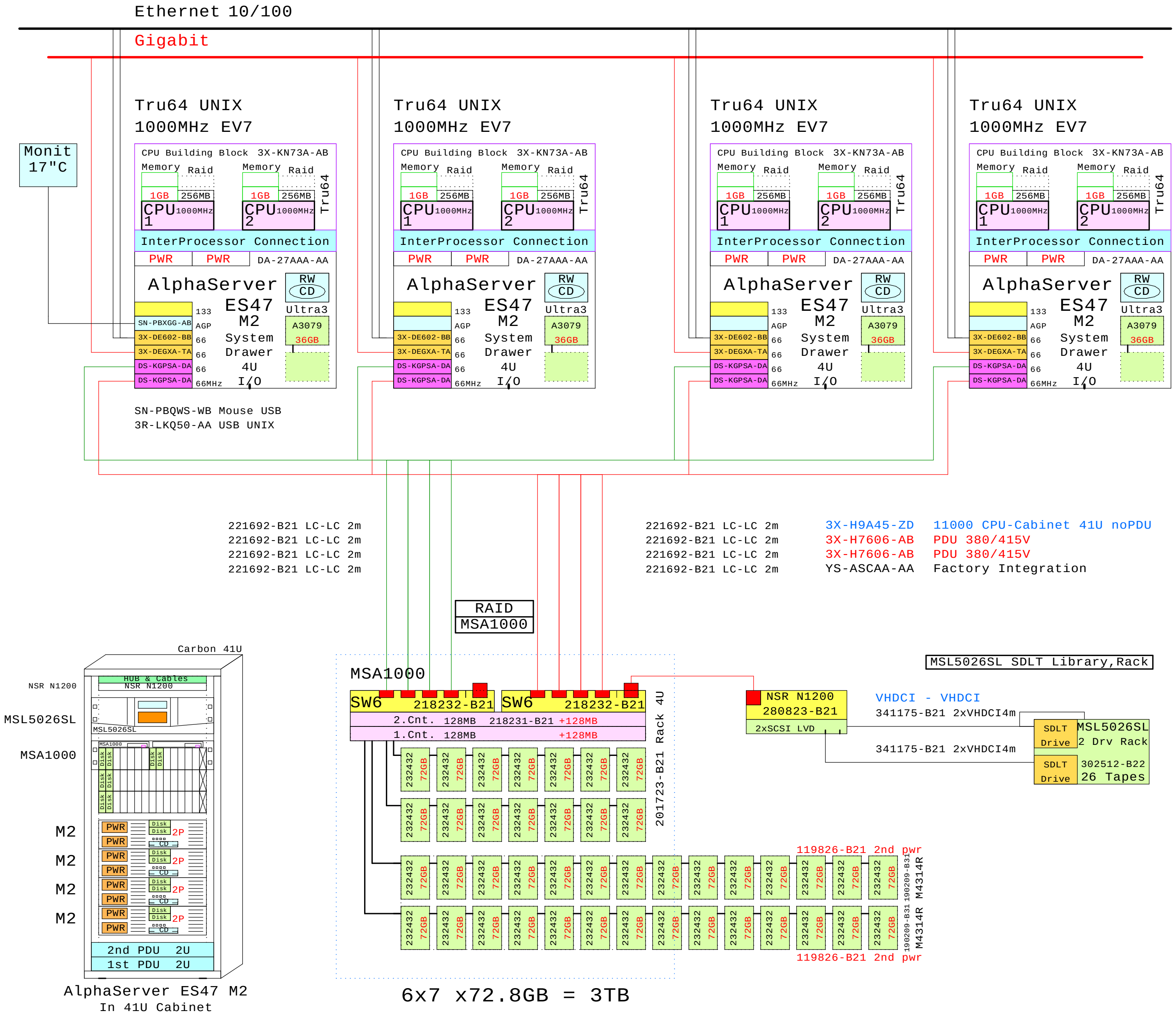
AlphaServer ES47 M2 Tru64 UNIX Cluster



BOM for this system

	Part Number	Qty	Description
1	201723-B21	1	MSA1000 RAID Array 128MB Rack 4U
1.1	153506-B21	1	128MB Battery Backed Cache Upgrade
1.2	190209-B31	1	Modula M4314R single buss,14x 1.0"
1.2.1	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
1.3	190209-B31	1	Modula M4314R single buss,14x 1.0"
1.3.1	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
1.4	218231-B21	1	MSA1000 Redundant Controller
1.4.1	153506-B21	1	128MB Battery Backed Cache Upgrade
1.5	218232-B21	2	MSA1000 Fabric Switch, 6 port
1.6	221470-B21	1	Opt.Short Wave Tranceiver 2Gb/s SFP-SW
1.7	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
2	DA-27AAA-AA	1	AS ES47 Model 2 System Tru64 UNIX 4U
2.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
2.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
2.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
2.4	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
2.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
2.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
2.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
2.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
2.5	DS-KGPSA-DA	2	PCI to Fibre Channel adapter,2Gbit/s
2.6	SN-PBXGG-AB	1	ATI Radeon 7500 2D AGP graphics accelara
3	DA-27AAA-AA	1	AS ES47 Model 2 System Tru64 UNIX 4U
3.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
3.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
3.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
3.4	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
3.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
3.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
3.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
3.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
3.5	DS-KGPSA-DA	2	PCI to Fibre Channel adapter,2Gbit/s
4	DA-27AAA-AA	1	AS ES47 Model 2 System Tru64 UNIX 4U
4.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
4.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
4.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
4.4	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
4.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
4.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
4.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
4.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
4.5	DS-KGPSA-DA	2	PCI to Fibre Channel adapter,2Gbit/s
5	DA-27AAA-AA	1	AS ES47 Model 2 System Tru64 UNIX 4U
5.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
5.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
5.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
5.4	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
5.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
5.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
5.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
5.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
5.5	DS-KGPSA-DA	2	PCI to Fibre Channel adapter,2Gbit/s
6	302512-B22	1	MSL5026SL SDLT Lib.2xDrv,Rack,Grap,LVD
7	3X-H9A45-ZD	1	41U 11000-Series CPU-Cabinet,no PDUs
8	280823-B21	1	Netw Stor Rout N1200 FC,2xLVD
9	YS-ASCAA-AA	1	System Factory Integration
10	3R-A3389-AA	1	COMPAQ Monitor P720 17" NH, EU VGAcable
11	3X-H7606-AB	2	PDU 380/415V
12	SN-PBQWS-WB	1	Compaq 3-button mouse, USB
13	341175-B21	2	VHDCI to VHDCI SCSI Cable 12ft
14	3R-LKQ50-AA	1	U.S/English keyboard Tru64 UNIX, USB
15	221692-B21	8	FC ShortWave 2m cable LC-LC 2Gb-2Gb
16	119826-B21	2	Modula M42/314R 2nd power supply

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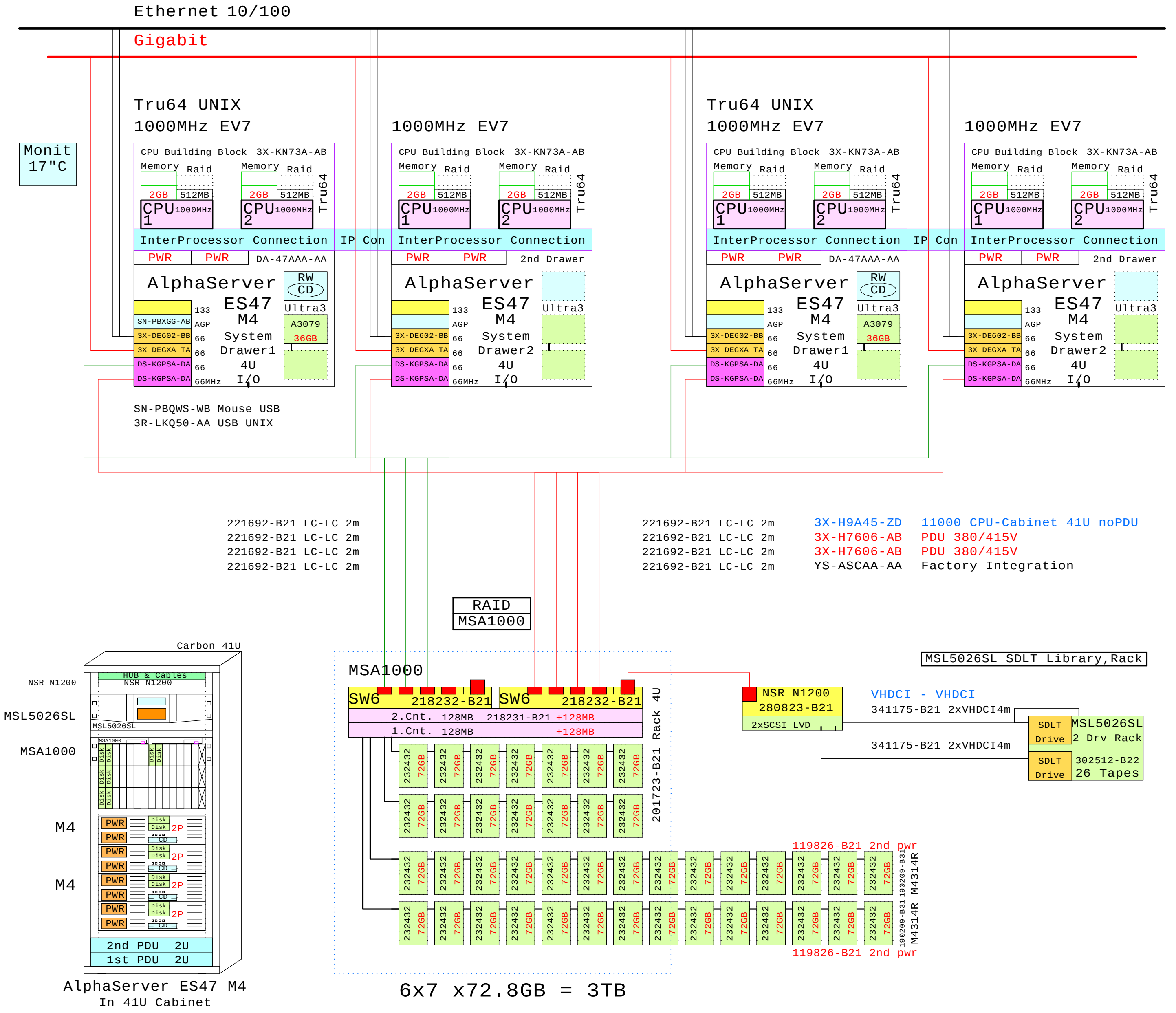
ES47 M2 UNIX

13-Nov-2002	GTAUES47c1
Matti.Patari@HP.com	

AlphaServer ES47 M2 UNIX Clust
GOLDEN EGGS Visuals, Helsinki

AlphaServer ES47 M4 Tru64 UNIX Cluster



BOM for this system

	Part Number	Qty	Description
1	DA-47AAA-AA	1	AS ES47 Model 4 System Tru64 UNIX 2x4U
1.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
1.2	3X-DE602-BB	2	10/100 2xChannel Fast Ethernet, UTP
1.3	3X-DEGXA-TA	2	GigabitEthernet single-p 66MHz 3.3V
1.4	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
1.4.1	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
1.4.1.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
1.4.2	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
1.4.2.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
1.5	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
1.5.1	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
1.5.1.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
1.5.2	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
1.5.2.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
1.6	DS-KGPSA-DA	4	PCI to Fibre Channel adapter,2Gbit/s
1.7	SN-PBXGG-AB	1	ATI Radeon 7500 2D AGP graphics accelara
2	DA-47AAA-AA	1	AS ES47 Model 4 System Tru64 UNIX 2x4U
2.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
2.2	3X-DE602-BB	2	10/100 2xChannel Fast Ethernet, UTP
2.3	3X-DEGXA-TA	2	GigabitEthernet single-p 66MHz 3.3V
2.4	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
2.4.1	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
2.4.1.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
2.4.2	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
2.4.2.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
2.5	3X-KN73A-AB	1	ES47 Cab CPU-BB 2xEV7 1000MHz Tru64 UNIX
2.5.1	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
2.5.1.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
2.5.2	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
2.5.2.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
2.6	DS-KGPSA-DA	4	PCI to Fibre Channel adapter,2Gbit/s
3	201723-B21	1	MSA1000 RAID Array 128MB Rack 4U
3.1	153506-B21	1	128MB Battery Backed Cache Upgrade
3.2	190209-B31	1	Modula M4314R single buss,14x 1.0"
3.2.1	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
3.3	190209-B31	1	Modula M4314R single buss,14x 1.0"
3.3.1	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
3.4	218231-B21	1	MSA1000 Redundant Controller
3.4.1	153506-B21	1	128MB Battery Backed Cache Upgrade
3.5	218232-B21	2	MSA1000 Fabric Switch, 6 port
3.6	221470-B21	1	Opt.Short Wave Tranceiver 2Gb/s SFP-SW
3.7	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
4	302512-B22	1	MSL5026SL SDLT Lib.2xDrv,Rack,Grap,LVD
5	3X-H9A45-ZD	1	41U 11000-Series CPU-Cabinet,no PDUs
6	280823-B21	1	Netw Stor Rout N1200 FC,2xLVD
7	YS-ASCAA-AA	1	System Factory Integration
8	3R-A3389-AA	1	COMPAQ Monitor P720 17" NH, EU VGAcable
9	3X-H7606-AB	2	PDU 380/415V
10	SN-PBQWS-WB	1	Compaq 3-button mouse, USB
11	341175-B21	2	VHDCI to VHDCI SCSI Cable 12ft
12	3R-LKQ50-AA	1	U.S/English keyboard Tru64 UNIX, USB
13	221692-B21	8	FC ShortWave 2m cable LC-LC 2Gb-2Gb
14	119826-B21	2	Modula M42/314R 2nd power supply

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invent	13-Nov-2002	GTAUES47d1
	Matti.Patari@HP.com	

ES47 M4 UNIX

AlphaServer ES47 M4 UNIX Clust
GOLDEN EGGS Visuals, Helsinki

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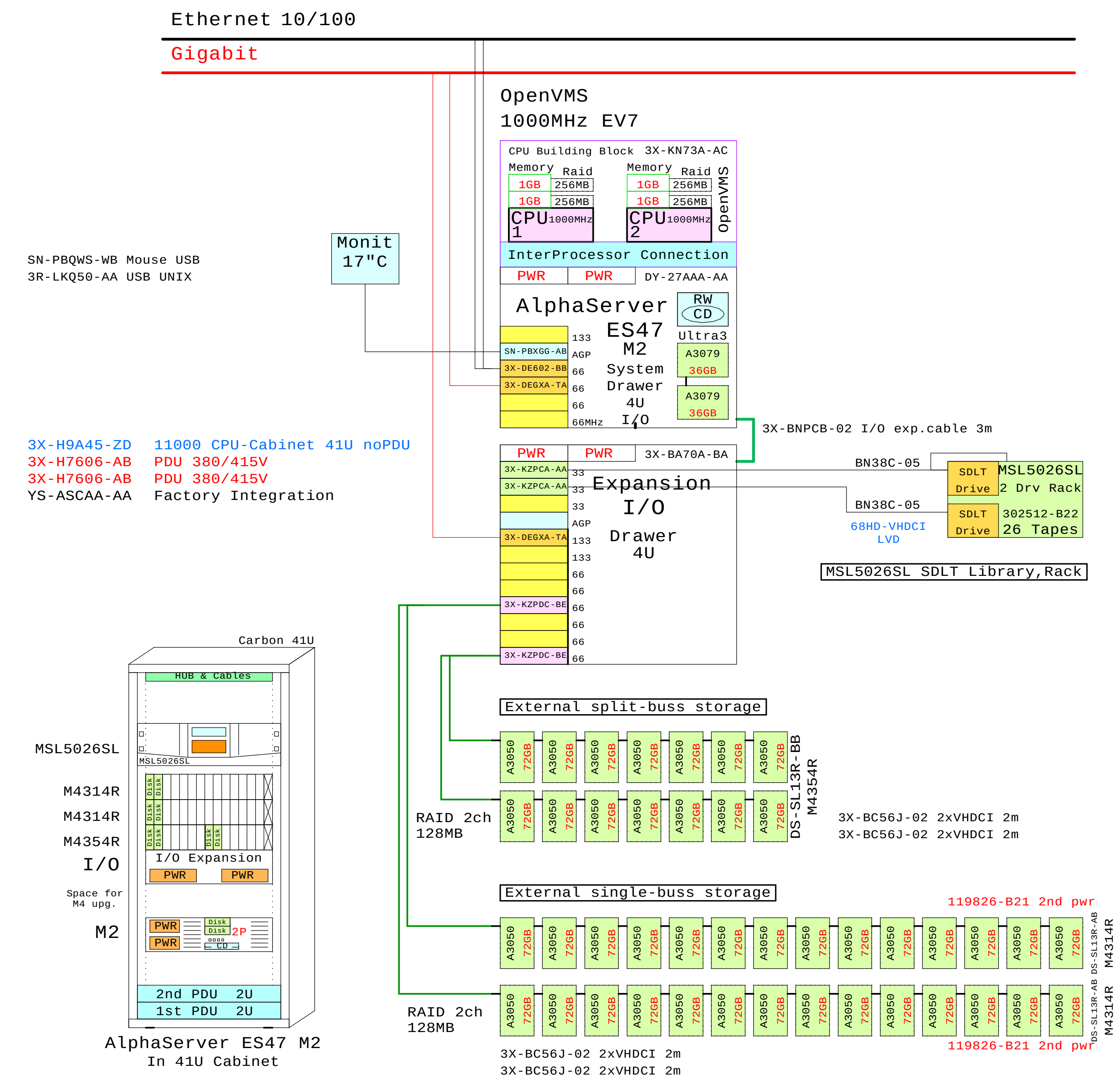
AlphaServer ES47 M2 OpenVMS System



BOM for this system

	Part Number	Qty	Description
1	DY-27AAA-AA	1	AS ES47 Model 2 System OpenVMS 4U
1.1	3R-A3079-AA	2	36.4GB Uscsi3 15k Universal disk 1"
1.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
1.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
1.4	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
1.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
1.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
1.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
1.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
1.4.3	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
1.4.3.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
1.4.4	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
1.4.4.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
1.5	SN-PBXGG-AB	1	ATI Radeon 7500 2D AGP graphics accelara
2	3X-BA70A-BA	1	ES47 Expansion I/O drawer 4U factory ins
2.1	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
2.2	3X-KZPCA-AA	2	Single channel LVD adapter
2.3	3X-KZPDC-BE	2	U160 2-Ch RAID 128MB PCI 66MHz 3.3v
3	DS-SL13R-AB	1	Modula M4314R single buss,14x 1.0" Int
3.1	3R-A3050-AA	14	72.8GB 10000r Ultra3 SCSI disk 1"
4	DS-SL13R-AB	1	Modula M4314R single buss,14x 1.0" Int
4.1	3R-A3050-AA	14	72.8GB 10000r Ultra3 SCSI disk 1"
5	DS-SL13R-BB	1	Modula M4354R dual buss, 7+7, 1.0" Int
5.1	3R-A3050-AA	14	72.8GB 10000r Ultra3 SCSI disk 1"
6	302512-B22	1	MSL5026SL SDLT Lib.2xDrv,Rack,Grap,LVD
7	3R-A3389-AA	1	COMPAQ Monitor P720 17" NH, EU VGAcable
8	3X-H9A45-ZD	1	41U 11000-Series CPU-Cabinet,no PDUs
9	YS-ASCAA-AA	1	System Factory Integration
10	3X-H7606-AB	2	PDU 380/415V
11	3X-BNPCB-02	1	ES47 I/O expansion cable 3m
12	3X-BC56J-02	4	Ultra3 160 Cable VHDCI-VHDCI 06ft
13	SN-PBQWS-WB	1	Compaq 3-button mouse, USB
14	3R-LKQ50-AA	1	U.S/English keyboard Tru64 UNIX, USB
15	119826-B21	2	Modula M42/314R 2nd power supply
16	BN38C-05	2	Ultra Cbl VHDCI - 68HD

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ES47 M2 OVMS

hp invent	13-Nov-2002	GTAVES47b1
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AlphaServer ES47 M2 OVMS Syst.
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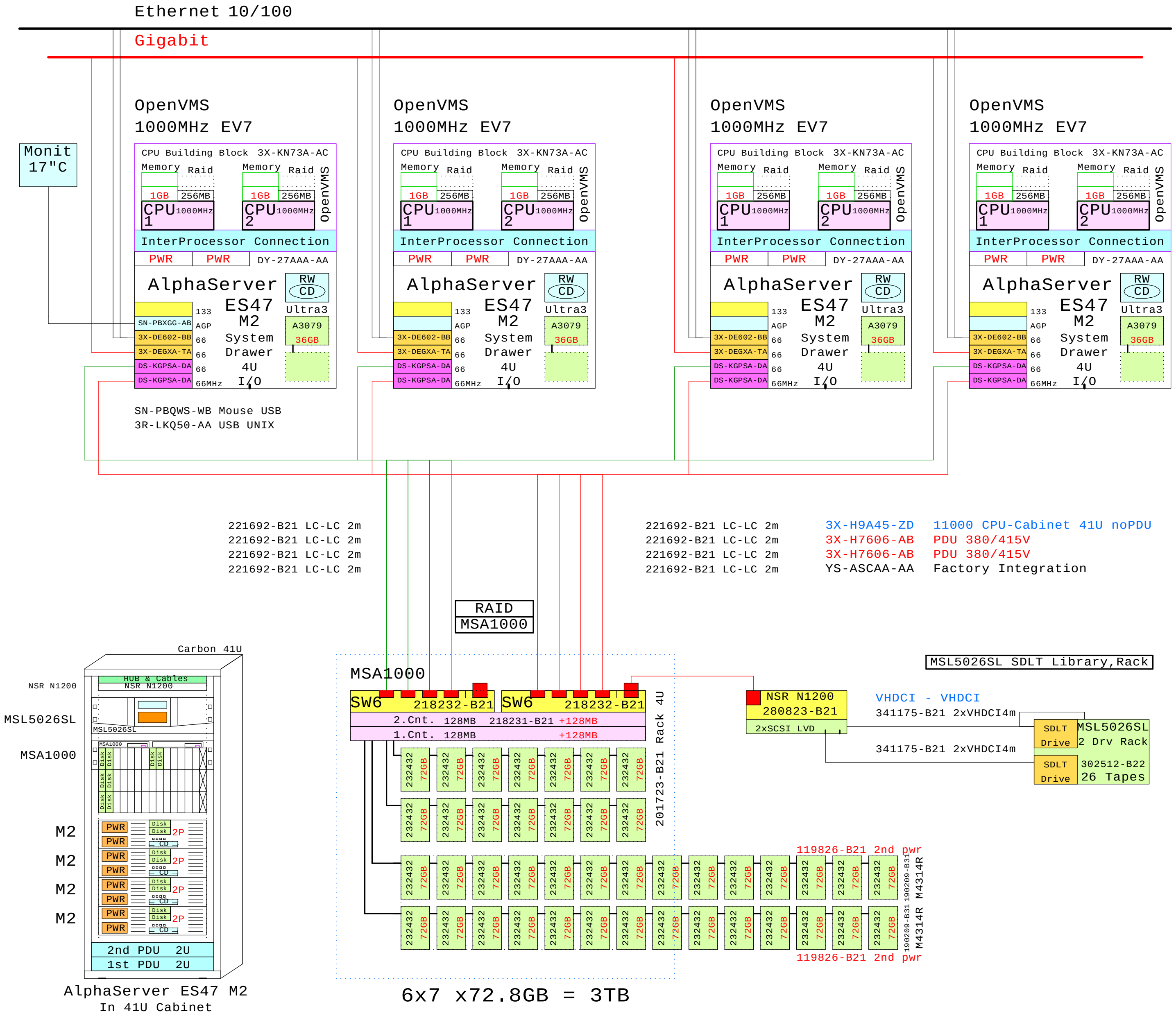
AlphaServer ES47 M2 OpenVMS Cluster



BOM for this system

	Part Number	Qty	Description
1	201723-B21	1	MSA1000 RAID Array 128MB Rack 4U
1.1	153506-B21	1	128MB Battery Backed Cache Upgrade
1.2	190209-B31	1	Modula M4314R single buss,14x 1.0"
1.2.1	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
1.3	190209-B31	1	Modula M4314R single buss,14x 1.0"
1.3.1	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
1.4	218231-B21	1	MSA1000 Redundant Controller
1.4.1	153506-B21	1	128MB Battery Backed Cache Upgrade
1.5	218232-B21	2	MSA1000 Fabric Switch, 6 port
1.6	221470-B21	1	Opt.Short Wave Tranceiver 2Gb/s SFP-SW
1.7	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
2	DY-27AAA-AA	1	AS ES47 Model 2 System OpenVMS 4U
2.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
2.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
2.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
2.4	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
2.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
2.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
2.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
2.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
2.5	DS-KGPSA-DA	2	PCI to Fibre Channel adapter,2Gbit/s
2.6	SN-PBXGG-AB	1	ATI Radeon 7500 2D AGP graphics accelara
3	DY-27AAA-AA	1	AS ES47 Model 2 System OpenVMS 4U
3.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
3.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
3.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
3.4	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
3.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
3.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
3.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
3.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
3.5	DS-KGPSA-DA	2	PCI to Fibre Channel adapter,2Gbit/s
4	DY-27AAA-AA	1	AS ES47 Model 2 System OpenVMS 4U
4.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
4.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
4.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
4.4	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
4.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
4.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
4.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
4.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
4.5	DS-KGPSA-DA	2	PCI to Fibre Channel adapter,2Gbit/s
5	DY-27AAA-AA	1	AS ES47 Model 2 System OpenVMS 4U
5.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
5.2	3X-DE602-BB	1	10/100 2xChannel Fast Ethernet, UTP
5.3	3X-DEGXA-TA	1	GigabitEthernet single-p 66MHz 3.3V
5.4	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
5.4.1	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
5.4.1.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
5.4.2	3X-MS7AB-BA	1	GS-ES 1GBB Memory Option 4x256 RDRAM
5.4.2.1	3X-MS7AB-BC	1	GS-ES 256MB RAID Memory 1x256 RDRAM
5.5	DS-KGPSA-DA	2	PCI to Fibre Channel adapter,2Gbit/s
6	302512-B22	1	MSL5026SL SDLT Lib.2xDrv,Rack,Grap,LVD
7	3X-H9A45-ZD	1	41U 11000-Series CPU-Cabinet,no PDUs
8	280823-B21	1	Netw Stor Rout N1200 FC,2xLVD
9	YS-ASCAA-AA	1	System Factory Integration
10	3R-A3389-AA	1	COMPAQ Monitor P720 17" NH, EU VGAcable
11	3X-H7606-AB	2	PDU 380/415V
12	SN-PBQWS-WB	1	Compaq 3-button mouse, USB
13	341175-B21	2	VHDCI to VHDCI SCSI Cable 12ft
14	3R-LKQ50-AA	1	U.S/English keyboard Tru64 UNIX, USB
15	221692-B21	8	FC ShortWave 2m cable LC-LC 2Gb-2Gb
16	119826-B21	2	Modula M42/314R 2nd power supply

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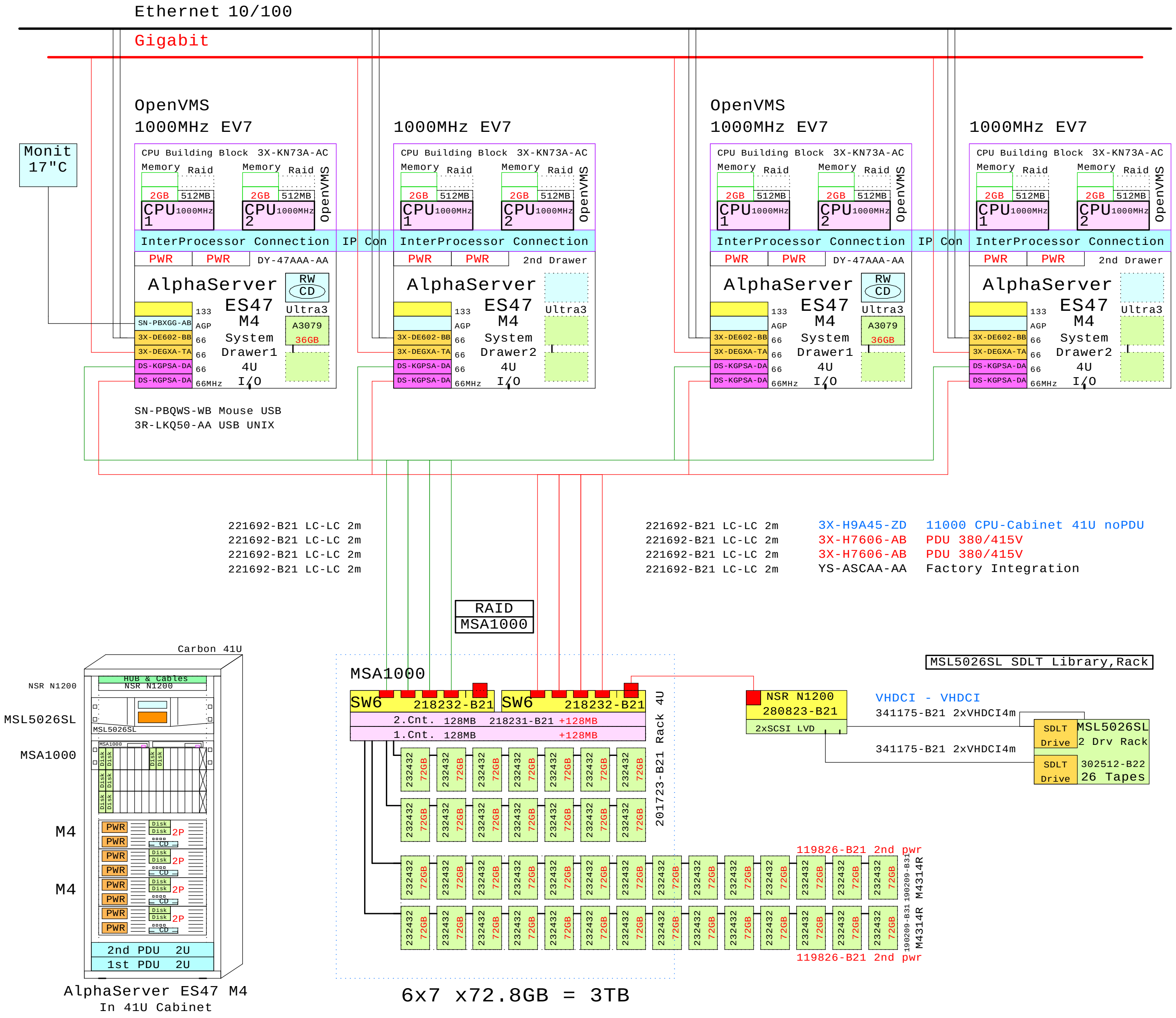
AlphaServer ES47 M4 OpenVMS Cluster



BOM for this system

	Part Number	Qty	Description
1	DY-47AAA-AA	1	AS ES47 Model 4 System OpenVMS 2x4U
1.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
1.2	3X-DE602-BB	2	10/100 2xChannel Fast Ethernet, UTP
1.3	3X-DEGXA-TA	2	GigabitEthernet single-p 66MHz 3.3V
1.4	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
1.4.1	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
1.4.1.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
1.4.2	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
1.4.2.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
1.5	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
1.5.1	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
1.5.1.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
1.5.2	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
1.5.2.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
1.6	DS-KGPSA-DA	4	PCI to Fibre Channel adapter,2Gbit/s
1.7	SN-PBXGG-AB	1	ATI Radeon 7500 2D AGP graphics accelara
2	DY-47AAA-AA	1	AS ES47 Model 4 System OpenVMS 2x4U
2.1	3R-A3079-AA	1	36.4GB Uscsi3 15k Universal disk 1"
2.2	3X-DE602-BB	2	10/100 2xChannel Fast Ethernet, UTP
2.3	3X-DEGXA-TA	2	GigabitEthernet single-p 66MHz 3.3V
2.4	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
2.4.1	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
2.4.1.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
2.4.2	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
2.4.2.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
2.5	3X-KN73A-AC	1	ES47 Cab CPU-BB 2xEV7 1000MHz OpenVMS
2.5.1	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
2.5.1.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
2.5.2	3X-MS7AB-CA	1	GS-ES 2GBB Memory Option 4x512 RDRAM
2.5.2.1	3X-MS7AB-CC	1	GS-ES 512MB RAID Memory 1x512MB RDRAM
2.6	DS-KGPSA-DA	4	PCI to Fibre Channel adapter,2Gbit/s
3	201723-B21	1	MSA1000 RAID Array 128MB Rack 4U
3.1	153506-B21	1	128MB Battery Backed Cache Upgrade
3.2	190209-B31	1	Modula M4314R single buss,14x 1.0"
3.2.1	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
3.3	190209-B31	1	Modula M4314R single buss,14x 1.0"
3.3.1	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
3.4	218231-B21	1	MSA1000 Redundant Controller
3.4.1	153506-B21	1	128MB Battery Backed Cache Upgrade
3.5	218232-B21	2	MSA1000 Fabric Switch, 6 port
3.6	221470-B21	1	Opt.Short Wave Tranceiver 2Gb/s SFP-SW
3.7	232432-B22	14	72.8GB 10000r Ultra3 SCSI disk 1"
4	302512-B22	1	MSL5026SL SDLT Lib.2xDrv,Rack,Grap,LVD
5	3X-H9A45-ZD	1	41U 11000-Series CPU-Cabinet,no PDUs
6	280823-B21	1	Netw Stor Rout N1200 FC,2xLVD
7	YS-ASCAA-AA	1	System Factory Integration
8	3R-A3389-AA	1	COMPAQ Monitor P720 17" NH, EU VGAcable
9	3X-H7606-AB	2	PDU 380/415V
10	SN-PBQWS-WB	1	Compaq 3-button mouse, USB
11	341175-B21	2	VHDCI to VHDCI SCSI Cable 12ft
12	3R-LKQ50-AA	1	U.S/English keyboard Tru64 UNIX, USB
13	221692-B21	8	FC ShortWave 2m cable LC-LC 2Gb-2Gb
14	119826-B21	2	Modula M42/314R 2nd power supply

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