

AlphaServer ES40 67/667 Systems, 64bits 667MHz

Model	Tru64 UNIX	OpenVMS	Linux Ready
#1 M1 6xPCI	-CA 512MB -DA 1GB -EA 2GB	-CA 512MB -DA 1GB -EA 2GB	DJ-62BAA-CA 512MB
M2 10xPCI	-DA 1GB -EA 2GB -FA 4GB	-DA 1GB -EA 2GB -FA 4GB	

#2 Select Enclosure, Disk Cage, Disk Drive, USCSI Controller, Ethernet and Graphics.

Mini-Tower	Pedestal	Cabinet
BA61M-MT Mini-Tower box	BA61P-PA/PB Pedestal 120/240V	H9A15-MC/MD Cabinet 120V/240V,38U H9C15-TE Cabinet rear extender H9C15-TF Cabinet front door H9C10-MC Ballast kit,40lbs BA61R-RM Rack mount kit YS-ASCAA-AA Factory integration
BA610-4D Disk Drive Cage	KZPCM-DA 2xUSCSI+ Ethernet	KZPCM-DA 2xUSCSI+ Ethernet
3R-A0526-AA Disk 9.1GB 10k	BN37A-02 SCSI cable, 2m	BN37A-02 SCSI cable, 2m
3R-A0561-AA Disk 18.2GB 10k	BA36R-RC Single-buss shelf	BA36R-RC Single-buss shelf
3X-DE600-AA Ethernet 10/100	BA36R-RD Split-buss shelf	BA36R-RD Split-buss shelf
BN25G-10 Cable, twisted	DS-RZ1DD-VW Disk 9.1GB 10k	DS-RZ1DD-VW Disk 9.1GB 10k
SN-PBXGK-BB ElsaGloria 8MB	DS-RZ1ED-VW Disk 18.2GB 10k	DS-RZ1ED-VW Disk 18.2GB 10k
	BN25G-10 Cable, twisted	BN25G-10 Cable, twisted
	SN-PBXGK-BB ElsaGloria 8MB	SN-PBXGK-BB ElsaGloria 8MB

#3 SVGA color monitor #4 For 240V use, select keyboard and power cord

15" 3R-VRQV5-24/11	SN-LKQ47 UNIX, Lin	-AE GB	-AG G	-AM S	BN19C-2E Europe
17" 3R-VRQP7-24/23 North/South	LK461 OVMS	-AB B	-AH NL	-AN N	BN19A-2E GB
BN39C-02 2m ext.cable		-AD DK	-AI I	-AP F	BN19E-2E CH
		-AF FI	-AK CH	-AS E	BN19K-2E DK
					BN19Z-2E I

Internal options

Memory expansion

MS610-DA	1GB
MS610-EA	2GB
MS610-FA	4GB

Additional CPUs, Max 4

UNIX	KN610-BB	667MHz
OVMS	KN610-BC	667MHz
Linux	KN610-BA	667MHz

Power supplies, CPU 3-4

H7906-A9	CPU power
DS-BA35X-HH	2nd disk pwr

Internal storage

Tape storage

TLZ10-LB	12/24GB DAT Tape drive
BN46L-01	Multi head SCSI cable

Disk storage

3R-A0526-AA	9.1GB Universal disk 10k
3R-A0561-AA	18GB Universal disk 10k
KZPBA-CA	UltraSCSI SE adapter
BN38C-02	2m SCSI cable,68HD-VHDCI
KZPCM-DA	Dual UltraSCSI+ Ethernet
BN37A-02	2m SCSI cable,VHDC-VHDC
KZPAC-CB	RAID 3-port, 8MB cache
KZPSC-UB	Cache battery
KZPAC-SB	Dual cable bulkhead
BN37A-02	2m SCSI cable VHDCI-VHDCI

Controllers

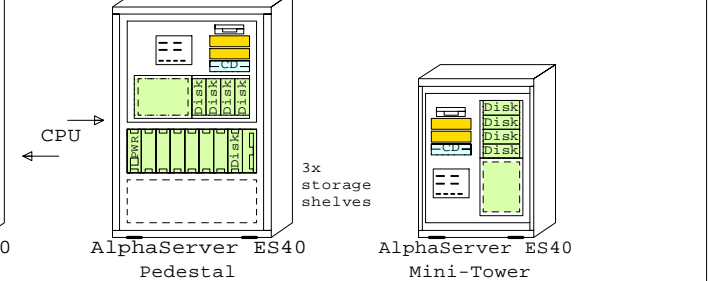
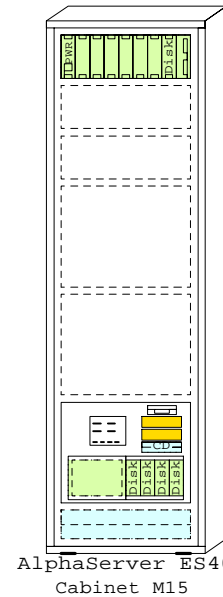
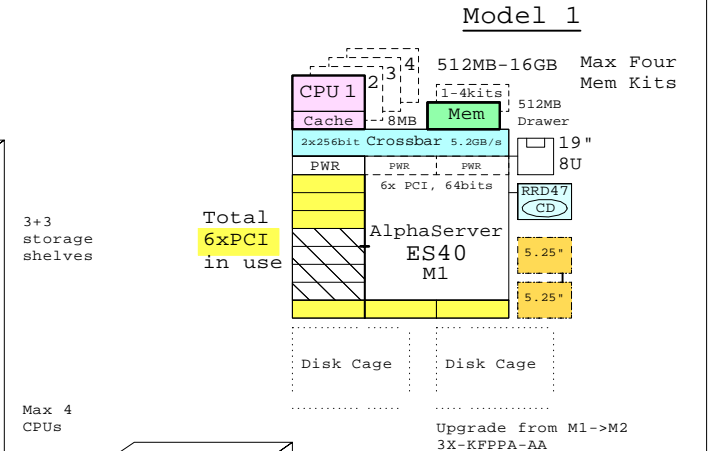
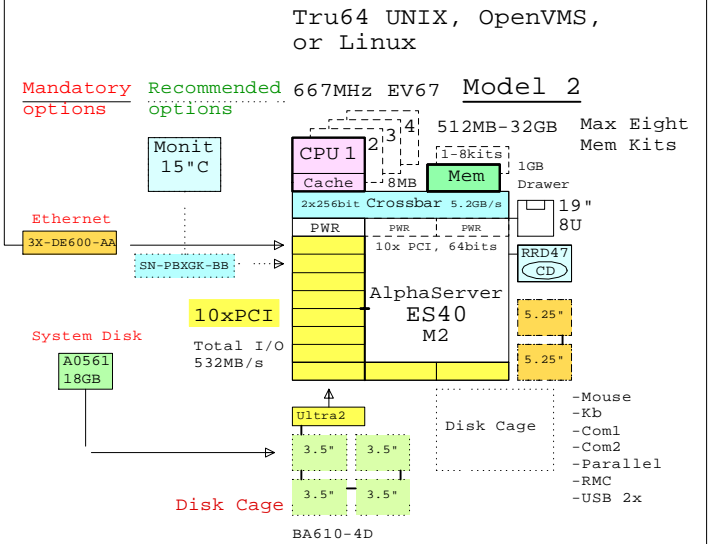
3X-DE600-AA	Fast Ethernet
DEGPA-SA	Gigabit Ethernet
3X-DEFPA-AC	FDDI adapter,SAS MMF
KFP5A-AA	DSSI controller
CIPCA-BA	CI controller
DS-KGPSA-CA	Fibre Channel adapt
168794-B21	---

External options

Tape storage

DS-TZ89N-TA	35/70GB DLT tape,TT
BN21K-02	SCSI cable, FWD
BN19C-2E	Power cord, Europe
KZPBA-CA	UltraSCSI SE adapter

BN25G-07



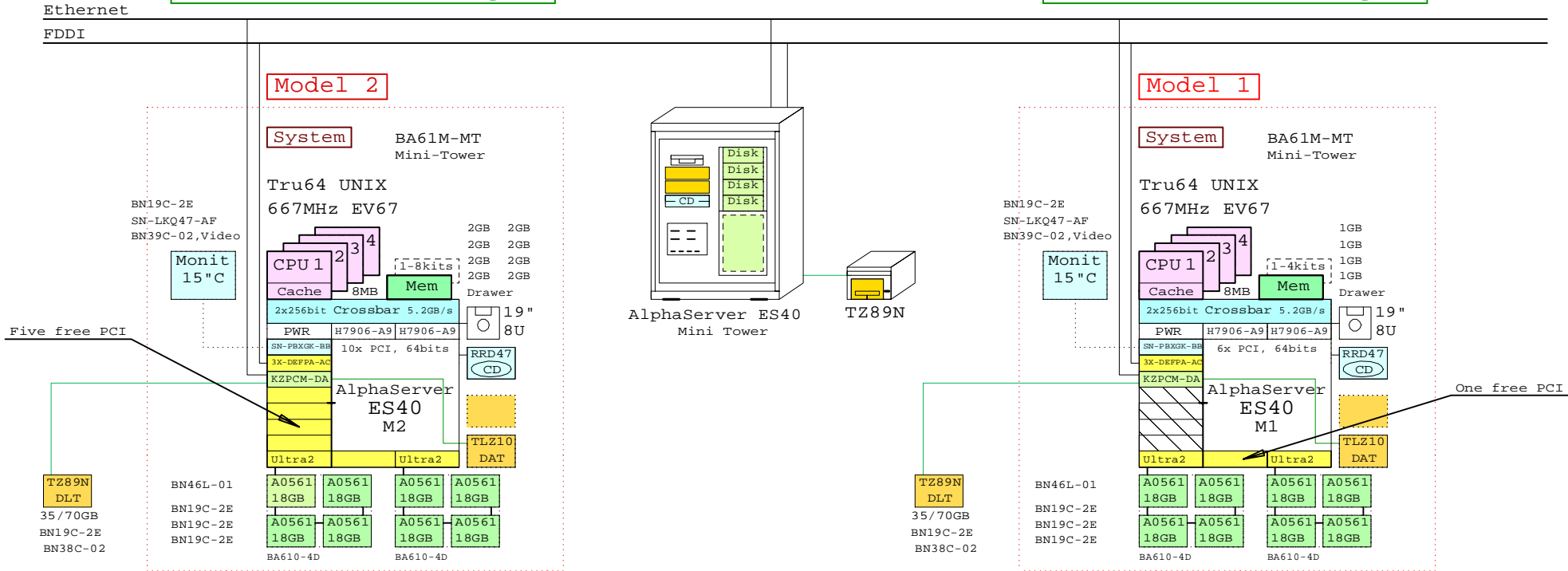
Software Processor Code: E

COMPAQ	23-Aug-2000	GEAES402
	Matti.Patari@compaq.com	
AlphaServer ES40 667MHz Syst.		
GOLDEN EGGS Visuals, Helsinki		

	@667MHz
SPECint95	40
SPECfp95	83
SPECweb99	685

ES40 Model 2 Mini Tower System

ES40 Model 1 Mini Tower System



Bill of material, Model 2

Part Number	Qty	Description
1	1	BA61M-MT ES40 Mini-Tower Enclosure
1.1	1	BN19C-2E PowerCable 240V, C-Europe
1.2	1	DA-64BAA-EA ES40 67/667 Model 2 2GB UNIX 10PCI DWR
1.2.1	1	3R-VRQV5-24 COMPAQ V55 CLR MON,NH,TC095
1.2.2	1	3X-DEFPA-AC PCI to FDDI SAS MMF with SC,Universal
1.2.3	1	BA610-4D ES40 Disk Drive Cage, 4Bay
1.2.3.1	4	3R-A0561-AA 18.2GB 10000r Universal Disk
1.2.4	1	BA610-4D ES40 Disk Drive Cage, 4Bay
1.2.4.1	4	3R-A0561-AA 18.2GB 10000r Universal Disk
1.2.5	3	BN19C-2E PowerCable 240V, C-Europe
1.2.6	1	BN39C-02 1.8 Video Extension Cable ****
1.2.7	1	BN46L-01 Multi head SCSI cable,ES40
1.2.8	2	H7906-A9 ES40 Power Sply, 2nd or 3rd
1.2.9	3	KN610-BB ES40 6/667MHz UNIX SMP 8mb cache
1.2.10	1	KZPCM-DA Dual Uscsi with FastEther PCI
1.2.11	7	MS610-EA ES40 2GB Memory Option
1.2.12	1	SN-PBXGK-BB Elsa Gloria Synergy 8M Video Graphics
1.2.13	1	TLZ10-LB 12/24GB 4mm DAT 5.25" HH
1.3	1	SN-LKQ47-AF 102 KEY KYBD,NON-WIN, Finnish
2	1	DS-TZ89N-TA 35/70GB SE DLT-tape TT FWSE
3	1	BN19C-2E PowerCable 240V, C-Europe
4	1	BN38C-02 Ultra Cbl VHDCI - 68HD

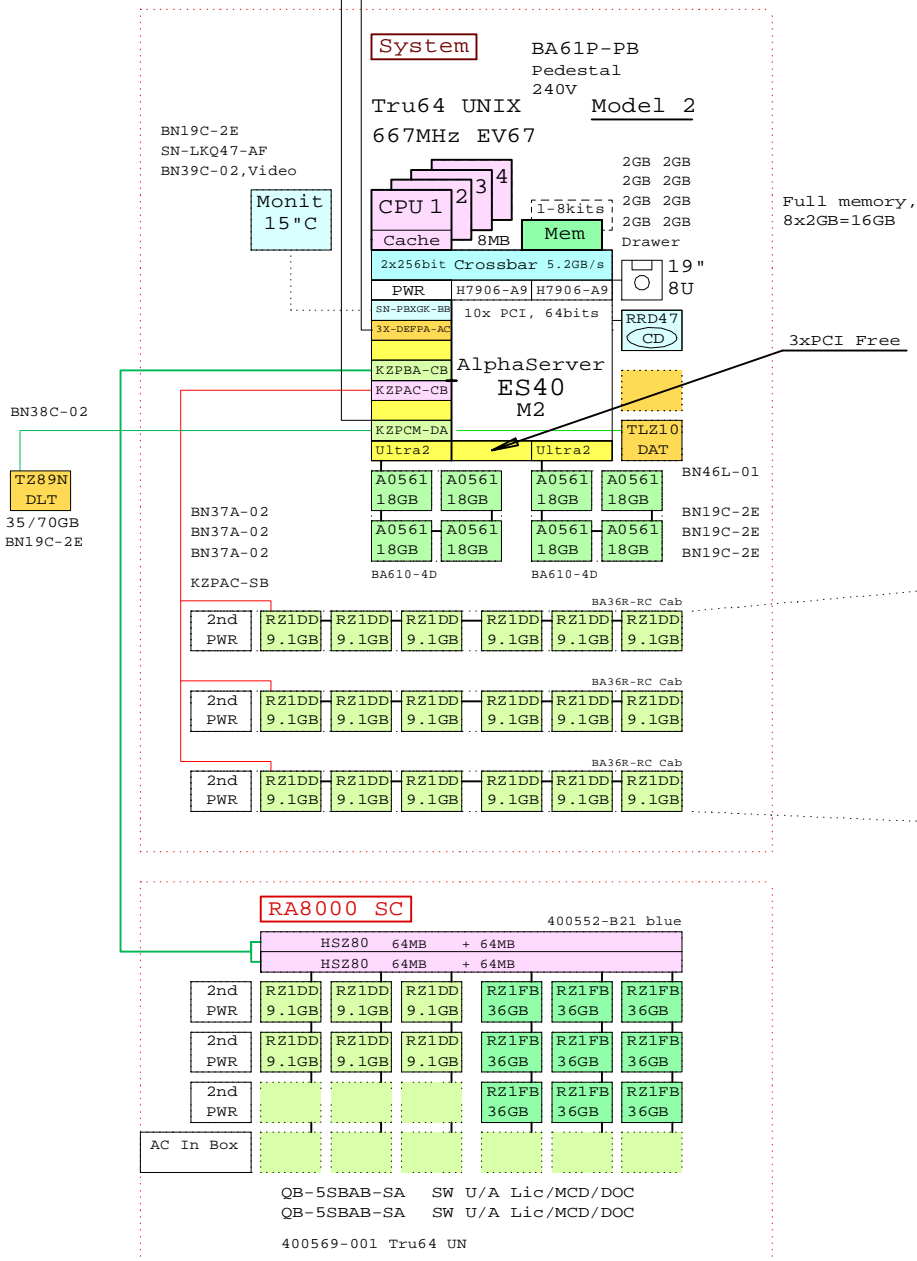
Bill of material, Model 1

Part Number	Qty	Description
1	1	BA61M-MT ES40 Mini-Tower Enclosure
1.1	1	BN19C-2E PowerCable 240V, C-Europe
1.2	1	DA-62BAA-DA ES40 67/667 Model 1 1GB UNIX 6PCI DWR
1.2.1	1	3R-VRQV5-24 COMPAQ V55 CLR MON,NH,TC095
1.2.2	1	3X-DEFPA-AC PCI to FDDI SAS MMF with SC,Universal
1.2.3	1	BA610-4D ES40 Disk Drive Cage, 4Bay
1.2.3.1	4	3R-A0561-AA 18.2GB 10000r Universal Disk
1.2.4	1	BA610-4D ES40 Disk Drive Cage, 4Bay
1.2.4.1	4	3R-A0561-AA 18.2GB 10000r Universal Disk
1.2.5	3	BN19C-2E PowerCable 240V, C-Europe
1.2.6	1	BN39C-02 1.8 Video Extension Cable ****
1.2.7	1	BN46L-01 Multi head SCSI cable,ES40
1.2.8	2	H7906-A9 ES40 Power Sply, 2nd or 3rd
1.2.9	3	KN610-BB ES40 6/667MHz UNIX SMP 8mb cache
1.2.10	1	KZPCM-DA Dual Uscsi with FastEther PCI
1.2.11	3	MS610-DA ES40 1GB Memory Option
1.2.12	1	SN-LKQ47-AF 102 KEY KYBD,NON-WIN, Finnish
1.2.13	1	SN-PBXGK-BB Elsa Gloria Synergy 8M Video Graphics
1.2.14	1	TLZ10-LB 12/24GB 4mm DAT 5.25" HH
2	1	DS-TZ89N-TA 35/70GB SE DLT-tape TT FWSE
3	1	BN19C-2E PowerCable 240V, C-Europe
4	1	BN38C-02 Ultra Cbl VHDCI - 68HD

ES40 Model 2 Pedestal System

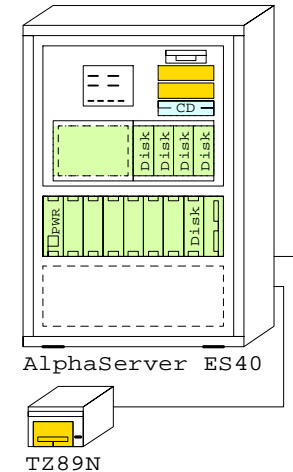
Ethernet

FDDI



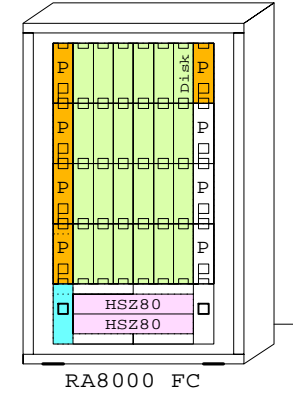
Bill of material for the base Pedestal

Part Number	Qty	Description
1	DA-64BAA-EA	1 ES40 67/667 Model 2 2GB UNIX 10PCI DWR
1.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TC095
1.2	3X-DEFPA-AC	1 PCI to FDDI SAS MMF with SC,Universal
1.3	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.3.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.4	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.4.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.5	H7906-A9	2 ES40 Power Syplly, 2nd or 3rd
1.6	KN610-BB	3 ES40 6/667MHz UNIX SMP 8mb cache
1.7	KZPBA-CB	1 PCI to UltraSCSI Adapter Uwdif
1.8	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.9	MS610-EA	7 ES40 2GB Memory Option
1.10	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.11	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
2	DS-TZ89N-TA	1 35/70GB SE DLT-tape TT FWSE
3	BN39C-02	1 1.8 Video Extension Cable ****
4	SN-LKQ47-AF	1 102 KEY KYBD,NON-WIN, Finnish
5	BN19C-2E	5 PowerCable 240V, C-Europe
6	BN38C-02	1 Ultra Cbl VHDCI - 68HD
7	BN46L-01	1 Multi head SCSI cable,ES40



BOM for the RAID disks in pedestal

Part Number	Qty	Description
1	BA36R-RC	1 RH ULTRASCSCI SHELF CAB SINGLE
1.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
1.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
2	BA36R-RC	1 RH ULTRASCSCI SHELF CAB SINGLE
2.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
2.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
3	BA36R-RC	1 RH ULTRASCSCI SHELF CAB SINGLE
3.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
3.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
4	KZPAC-CB	1 3 Chan. SCSI RAID 8MB UltraW
5	BN37A-02	3 Ultra Cbl VHDCI - VHDCI
6	KZPAC-SB	1 Dual bulk head



BOM for the external RA8000 RAID

Part Number	Qty	Description
1	400552-B21	1 RA8000 SC 2x HSZ80 64MB Blue pedestal
1.1	DS-BA35X-HE	1 AC INPUT BOX BA370
1.2	DS-BA35X-HH	3 180W power supply Blu SBB
1.3	DS-HSSIM-AB	2 64MB Cache Upg for HSZ70
1.4	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
1.5	DS-RZ1FB-VW	9 36GB 7200 UltraSCSI Disk
2	QB-5SBAB-SA	2 HSZ70 SW UNIX Alp LIC/MCD/DOC
3	400569-001	1 Ultra opt OS Software Tru64 UNIX
4	KZPBA-CB	1 PCI to UltraSCSI Adapter Uwdif

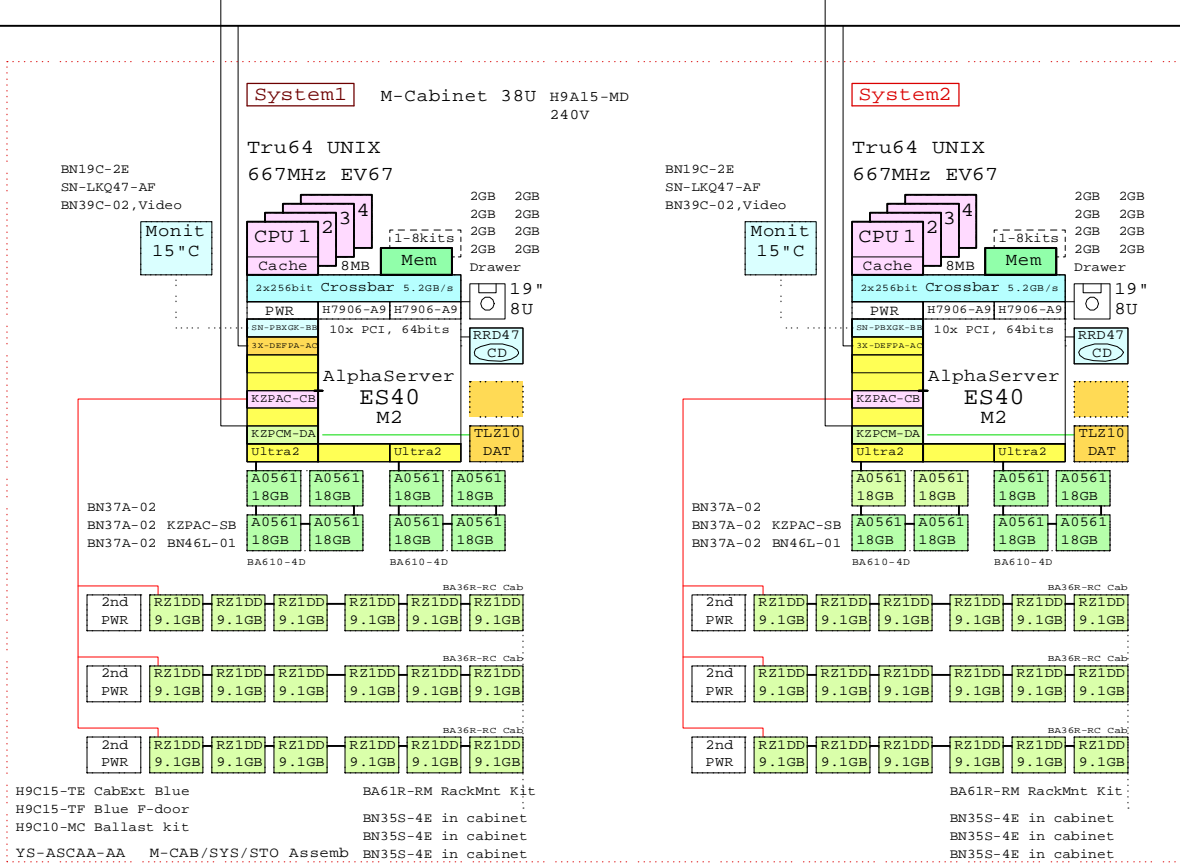
COMPAQ 19-Apr-2000 GTAUES406
Matti.Patari@compaq.com

AlphaServer ES40 UNIX Pedestal
GOLDEN EGGS Visuals, Helsinki

ES40 Model 2 Systems in Cabinet M15

Ethernet

FDDI

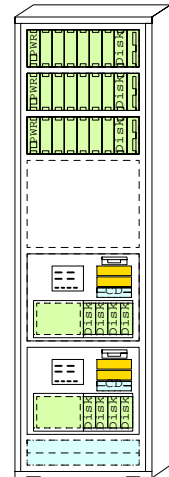


Bill of material for Cabinet and System 1

Part Number	Qty	Description
1	1	H9A15-MD 1 M-Series Cab,H9A15,Blue,240V 38U
1.1	1	BA36R-RC 1 RH ULTRASCSI SHELF CAB SINGLE
1.1.1	1	CK-BA35X-HH 1 180W Stor.Shelf PWR for AS4x00
1.1.2	6	DS-RZ1DD-VW 6 9.1GB 10000r UltraSCSI disk
1.2	1	BA36R-RC 1 RH ULTRASCSI SHELF CAB SINGLE
1.2.1	1	CK-BA35X-HH 1 180W Stor.Shelf PWR for AS4x00
1.2.2	6	DS-RZ1DD-VW 6 9.1GB 10000r UltraSCSI disk
1.3	1	BA36R-RC 1 RH ULTRASCSI SHELF CAB SINGLE
1.3.1	1	CK-BA35X-HH 1 180W Stor.Shelf PWR for AS4x00
1.3.2	6	DS-RZ1DD-VW 6 9.1GB 10000r UltraSCSI disk
1.4	1	BA61R-RM 1 ES40 Rackmount Kit
1.5	1	BN19C-2E 1 PowerCable 240V, C-Europe
1.6	3	BN35S-4E 3 PowerCord Cl3 to Cl4, Non US
1.7	3	BN37A-02 3 Ultra Cbl VHDCI - VHDCI
1.8	1	BN39C-02 1 1.8 Video Extension Cable ****
1.9	1	DA-64BAA-EA 1 ES40 67/667 Model 2 2GB UNIX 10PCI DWR
1.9.1	1	3R-VRQV5-24 1 COMPAQ V55 CLR MON,NH,TC095
1.9.2	1	3X-DEFFPA-AC 1 PCI to FDDI SAS MMF with SC,Universal
1.9.3	1	BA610-4D 1 ES40 Disk Drive Cage, 4Bay
1.9.3.1	4	3R-A0561-AA 4 18.2GB 10000r Universal Disk
1.9.4	1	BA610-4D 1 ES40 Disk Drive Cage, 4Bay
1.9.4.1	4	3R-A0561-AA 4 18.2GB 10000r Universal Disk
1.9.5	1	BN46L-01 1 Multi head SCSI cable,ES40
1.9.6	2	H7906-A9 2 ES40 Power Sply, 2nd or 3rd
1.9.7	3	KN610-BB 3 ES40 6/667MHz UNIX SMP 8mb cache
1.9.8	1	KZPAC-CB 1 3 Chan. SCSI RAID 8MB Ultra
1.9.9	1	KZPAC-SB 1 Dual bulk head
1.9.10	1	KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.9.11	7	MS610-EA 7 ES40 2GB Memory Option
1.9.12	1	SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.9.13	1	TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.10	1	H9C10-MC 1 Ballast Kit for cabinets
1.11	1	H9C15-TE 1 Rear cab extender for H9A15 Blue
1.12	1	H9C15-TF 1 FrontDoorKit Blue for H9A15
1.13	1	SN-LKQ47-AF 1 102 KEY KYBD, NON-WIN, Finnish
1.14	1	YS-ASCAA-AA 1 M-CAB/SYS/STO Assembly

Bill of material for System 2

Part Number	Qty	Description
1	1	DA-64BAA-EA 1 ES40 67/667 Model 2 2GB UNIX 10PCI DWR
1.1	1	3R-VRQV5-24 1 COMPAQ V55 CLR MON,NH,TC095
1.2	1	3X-DEFFPA-AC 1 PCI to FDDI SAS MMF with SC,Universal
1.3	1	BA610-4D 1 ES40 Disk Drive Cage, 4Bay
1.3.1	4	3R-A0561-AA 4 18.2GB 10000r Universal Disk
1.4	1	BA610-4D 1 ES40 Disk Drive Cage, 4Bay
1.4.1	4	3R-A0561-AA 4 18.2GB 10000r Universal Disk
1.5	1	BN46L-01 1 Multi head SCSI cable,ES40
1.6	2	H7906-A9 2 ES40 Power Sply, 2nd or 3rd
1.7	3	KN610-BB 3 ES40 6/667MHz UNIX SMP 8mb cache
1.8	1	KZPAC-CB 1 3 Chan. SCSI RAID 8MB Ultra
1.9	1	KZPAC-SB 1 Dual bulk head
1.10	1	KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.11	7	MS610-EA 7 ES40 2GB Memory Option
1.12	1	SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.13	1	TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
2	1	BA61R-RM 1 ES40 Rackmount Kit
3	3	BN35S-4E 3 PowerCord Cl3 to Cl4, Non US
4	3	CK-BA35X-HH 3 180W Stor.Shelf PWR for AS4x00
5	18	DS-RZ1DD-VW 18 9.1GB 10000r UltraSCSI disk
6	1	BN39C-02 1 1.8 Video Extension Cable ****
7	1	SN-LKQ47-AF 1 102 KEY KYBD, NON-WIN, Finnish
8	3	BN37A-02 3 Ultra Cbl VHDCI - VHDCI
9	1	BN19C-2E 1 PowerCable 240V, C-Europe



AlphaServer ES40

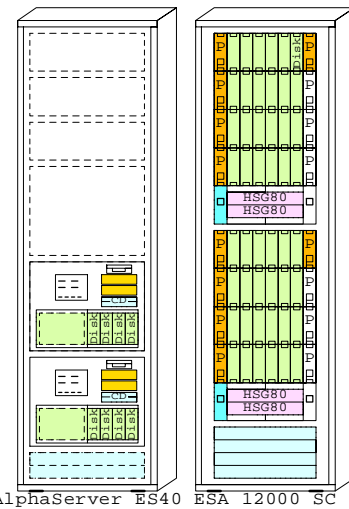
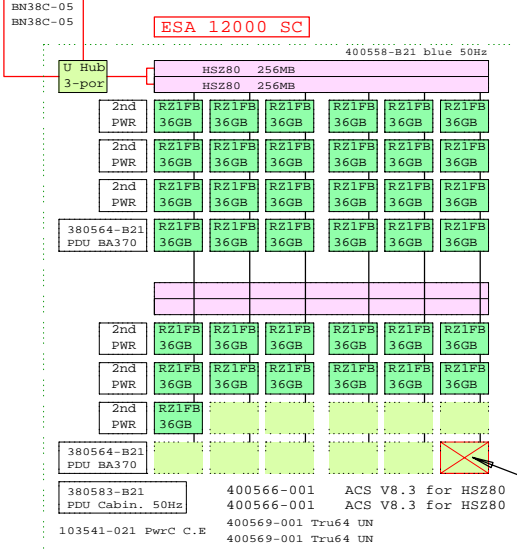
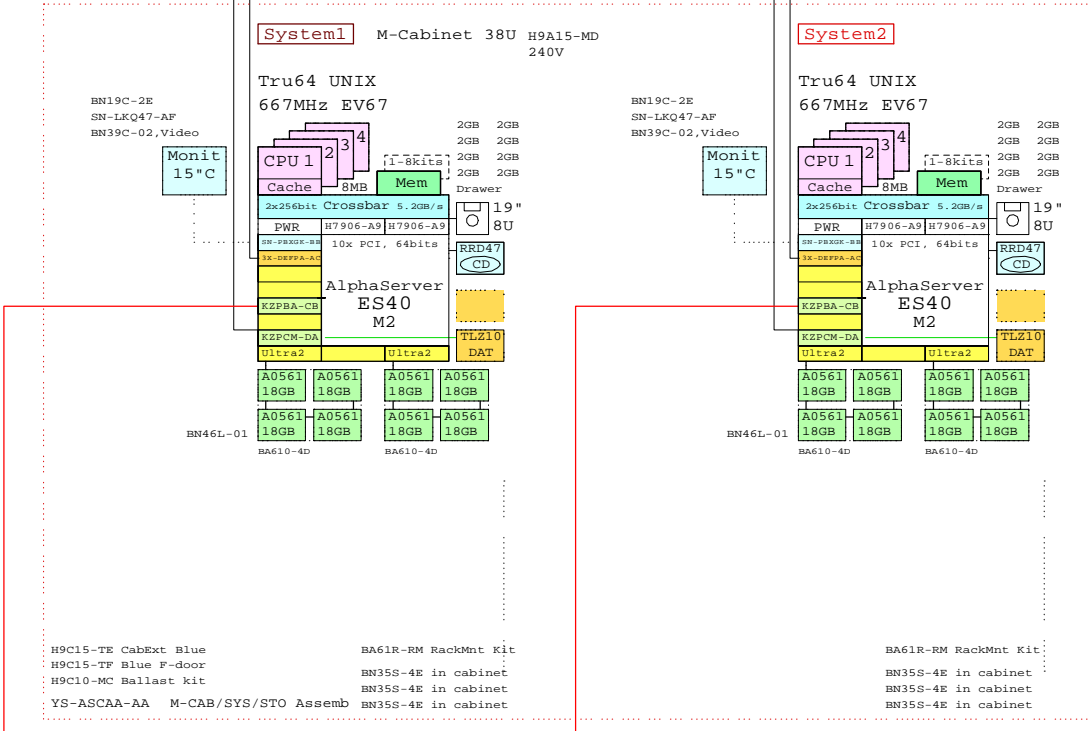
This template is included in the present GOLDEN EGGS Software kit.

ES40 UNIX

COMPAQ 19-Apr-2000 GTAUES407
 Matti.Patari@compaq.com
 AlphaServer ES40 UNIX Cabinet
 GOLDEN EGGS Visuals, Helsinki

ES40 Model 2 Cluster with external storage

Ethernet
FDDI



Bill of material for two cabinet Cluster

	Part Number	Qty	Description
1	H9A15-MD	1	M-Series Cab,H9A15,Blue,240V 38U
1.1	BA61R-RM	2	ES40 Rackmount Kit
1.2	BN19C-2E	2	PowerCable 240V, C-Europe
1.3	BN35S-4E	6	PowerCord C13 to C14, Non US
1.4	BN39C-02	2	1.8 Video Extension Cable ****
1.5	DA-64BAA-EA	1	ES40 67/667 Model 2 2GB UNIX 10PCI DWR
1.5.1	3R-VRQV5-24	1	COMPAQ V55 CLR MON,NH,TC095
1.5.2	3X-DEFFA-AC	1	PCI to FDDI SAS MMF with SC,Universal
1.5.3	BA610-4D	1	ES40 Disk Drive Cage, 4Bay
1.5.3.1	3R-A0561-AA	4	18.2GB 10000r Universal Disk
1.5.4	BA610-4D	1	ES40 Disk Drive Cage, 4Bay
1.5.4.1	3R-A0561-AA	4	18.2GB 10000r Universal Disk
1.5.5	BN46L-01	1	Multi head SCSI cable,ES40
1.5.6	H7906-A9	2	ES40 Power Syply, 2nd or 3rd
1.5.7	KN610-BB	3	ES40 6/667MHz UNIX SMP 8mb cache
1.5.8	KZPBA-CB	1	PCI to UltraSCSI Adapter UWd1f
1.5.9	KZPCM-DA	1	Dual Ucsdi with FastEther PCI
1.5.10	MS610-EA	7	ES40 2GB Memory Option
1.5.11	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.5.12	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
1.6	DA-64BAA-EA	1	ES40 67/667 Model 2 2GB UNIX 10PCI DWR
1.6.1	3R-VRQV5-24	1	COMPAQ V55 CLR MON,NH,TC095
1.6.2	3X-DEFFA-AC	1	PCI to FDDI SAS MMF with SC,Universal
1.6.3	BA610-4D	1	ES40 Disk Drive Cage, 4Bay
1.6.3.1	3R-A0561-AA	4	18.2GB 10000r Universal Disk
1.6.4	BA610-4D	1	ES40 Disk Drive Cage, 4Bay
1.6.4.1	3R-A0561-AA	4	18.2GB 10000r Universal Disk
1.6.5	BN46L-01	1	Multi head SCSI cable,ES40
1.6.6	H7906-A9	2	ES40 Power Syply, 2nd or 3rd
1.6.7	KN610-BB	3	ES40 6/667MHz UNIX SMP 8mb cache
1.6.8	KZPBA-CB	1	PCI to UltraSCSI Adapter UWd1f
1.6.9	KZPCM-DA	1	Dual Ucsdi with FastEther PCI
1.6.10	MS610-EA	7	ES40 2GB Memory Option
1.6.11	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.6.12	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
1.7	H9C10-MC	1	Ballast Kit for cabinets
1.8	H9C15-TE	1	Rear cab extender for H9A15 Blue
1.9	H9C15-TF	1	FrontDoorKit Blue for H9A15
1.10	SN-LKQ47-AF	2	102 KEY KYBD,NON-WIN, Finnish
1.11	YS-ASCAA-AA	1	M-CAB/SYS/STO Assembly
2	400558-B21	1	ESA1200 SC 50Hz 2x24 2xCnt blue
2.1	103541-021	1	Power Cord 13-20A C.Europe
2.2	380564-B21	2	Power Distribution Unit RA8k/7k
2.3	380565-B21	6	Power Suply 180W Hot Plug SBB
2.4	380583-B21	1	ESA1200 Cabinet PDU 50Hz
2.5	400566-001	2	HSZ80 Controller Software ACS V8.3
2.6	400569-001	2	Ultra opt OS Software Tru64 UNIX
2.7	DS-DWZHH-03	1	Ucsdi Act hub 0 SE:3/Dif 3.5" SBB
2.8	DS-RZ1FB-VW	37	36GB 7200 UltraSCSI Disk
3	BN38C-05	2	Ultra Cbl VHDCl - 68HD

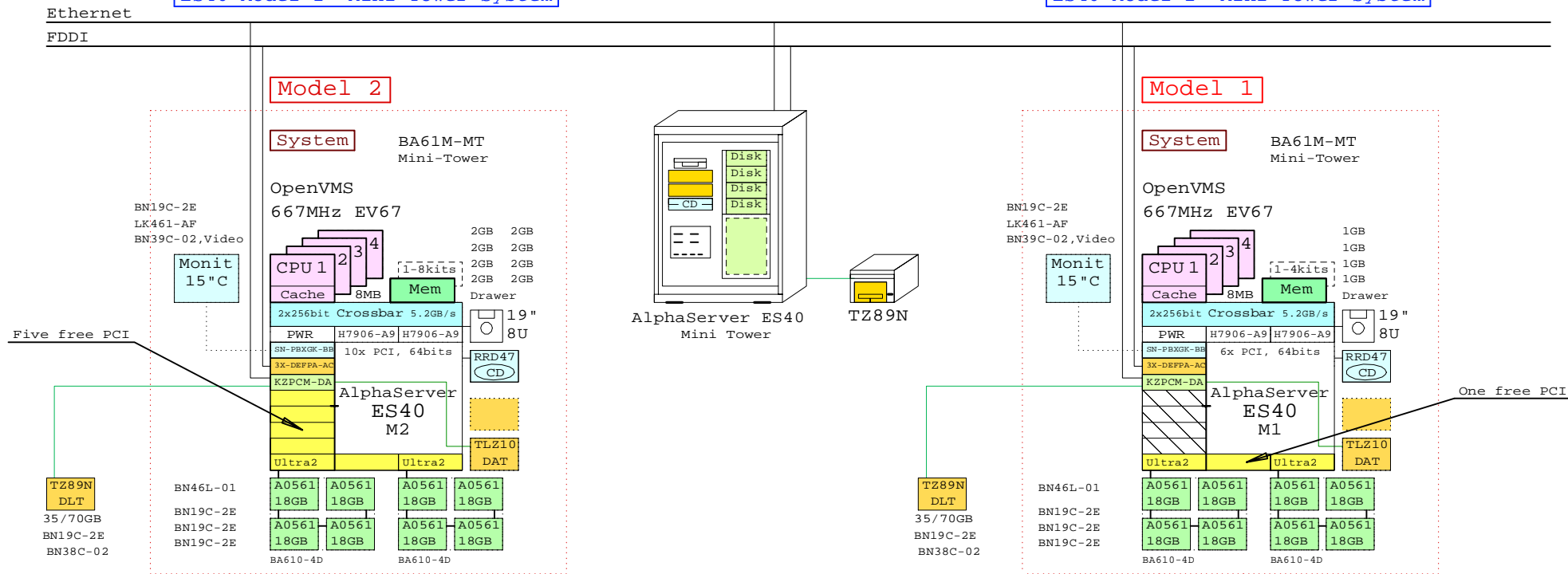
COMPAQ 19-Apr-2000 GTAUES408
Matti.Patari@compaq.com

ES40 UNIX AlphaServer ES40 UNIX Cluster
GOLDEN EGGS Visuals, Helsinki

This template is included in the present GOLDEN EGGS Software kit.

ES40 Model 2 Mini Tower System

ES40 Model 1 Mini Tower System



Bill of material, Model 2

Part Number	Qty	Description
1	1	BA61M-MT ES40 Mini-Tower Enclosure
1.1	1	BN19C-2E PowerCable 240V, C-Europe
1.2	1	DY-64BAA-EA ES40 67/667 Model 2 2GB OVMS 10PCI DWR
1.2.1	1	3R-VRQV5-24 COMPAQ V55 CLR MON,NH,TC095
1.2.2	1	3X-DEFPA-AC PCI to FDDI SAS MMF with SC,Universal
1.2.3	1	BA610-4D ES40 Disk Drive Cage, 4Bay
1.2.3.1	4	3R-A0561-AA 18.2GB 10000r Universal Disk
1.2.4	1	BA610-4D ES40 Disk Drive Cage, 4Bay
1.2.4.1	4	3R-A0561-AA 18.2GB 10000r Universal Disk
1.2.5	3	BN19C-2E PowerCable 240V, C-Europe
1.2.6	1	BN39C-02 1.8 Video Extension Cable ****
1.2.7	1	BN46L-01 Multi head SCSI cable,ES40
1.2.8	2	H7906-A9 ES40 Power Syply, 2nd or 3rd
1.2.9	3	KN610-BC ES40 6/667MHz OVMS SMP 8mb cache
1.2.10	1	KZPCM-DA Dual Uscsi with FastEther PCI
1.2.11	7	MS610-EA ES40 2GB Memory Option
1.2.12	1	SN-PBXGK-BB Elsa Gloria Synergy 8M Video Graphics
1.2.13	1	TLZ10-LB 12/24GB 4mm DAT 5.25" HH
1.3	1	LK461-AF VMS STYLE KEYBOARD, Fin/Swed
2	1	DS-TZ89N-TA 35/70GB SE DLT-tape TT FWSE
3	1	BN19C-2E PowerCable 240V, C-Europe
4	1	BN38C-02 Ultra Cbl VHDCI - 68HD

Bill of material, Model 1

Part Number	Qty	Description
1	1	BA61M-MT ES40 Mini-Tower Enclosure
1.1	1	BN19C-2E PowerCable 240V, C-Europe
1.2	1	DY-62BAA-DA ES40 67/667 Model 1 1GB OVMS 6PCI DWR
1.2.1	1	3R-VRQV5-24 COMPAQ V55 CLR MON,NH,TC095
1.2.2	1	3X-DEFPA-AC PCI to FDDI SAS MMF with SC,Universal
1.2.3	1	BA610-4D ES40 Disk Drive Cage, 4Bay
1.2.3.1	4	3R-A0561-AA 18.2GB 10000r Universal Disk
1.2.4	1	BA610-4D ES40 Disk Drive Cage, 4Bay
1.2.4.1	4	3R-A0561-AA 18.2GB 10000r Universal Disk
1.2.5	3	BN19C-2E PowerCable 240V, C-Europe
1.2.6	1	BN39C-02 1.8 Video Extension Cable ****
1.2.7	1	BN46L-01 Multi head SCSI cable,ES40
1.2.8	2	H7906-A9 ES40 Power Syply, 2nd or 3rd
1.2.9	3	KN610-BC ES40 6/667MHz OVMS SMP 8mb cache
1.2.10	1	KZPCM-DA Dual Uscsi with FastEther PCI
1.2.11	3	MS610-DA ES40 1GB Memory Option
1.2.12	1	SN-PBXGK-BB Elsa Gloria Synergy 8M Video Graphics
1.2.13	1	TLZ10-LB 12/24GB 4mm DAT 5.25" HH
1.3	1	LK461-AF VMS STYLE KEYBOARD, Fin/Swed
2	1	DS-TZ89N-TA 35/70GB SE DLT-tape TT FWSE
3	1	BN19C-2E PowerCable 240V, C-Europe
4	1	BN38C-02 Ultra Cbl VHDCI - 68HD

This template is included in the present GOLDEN EGGS Software kit.

ES40 OVMS

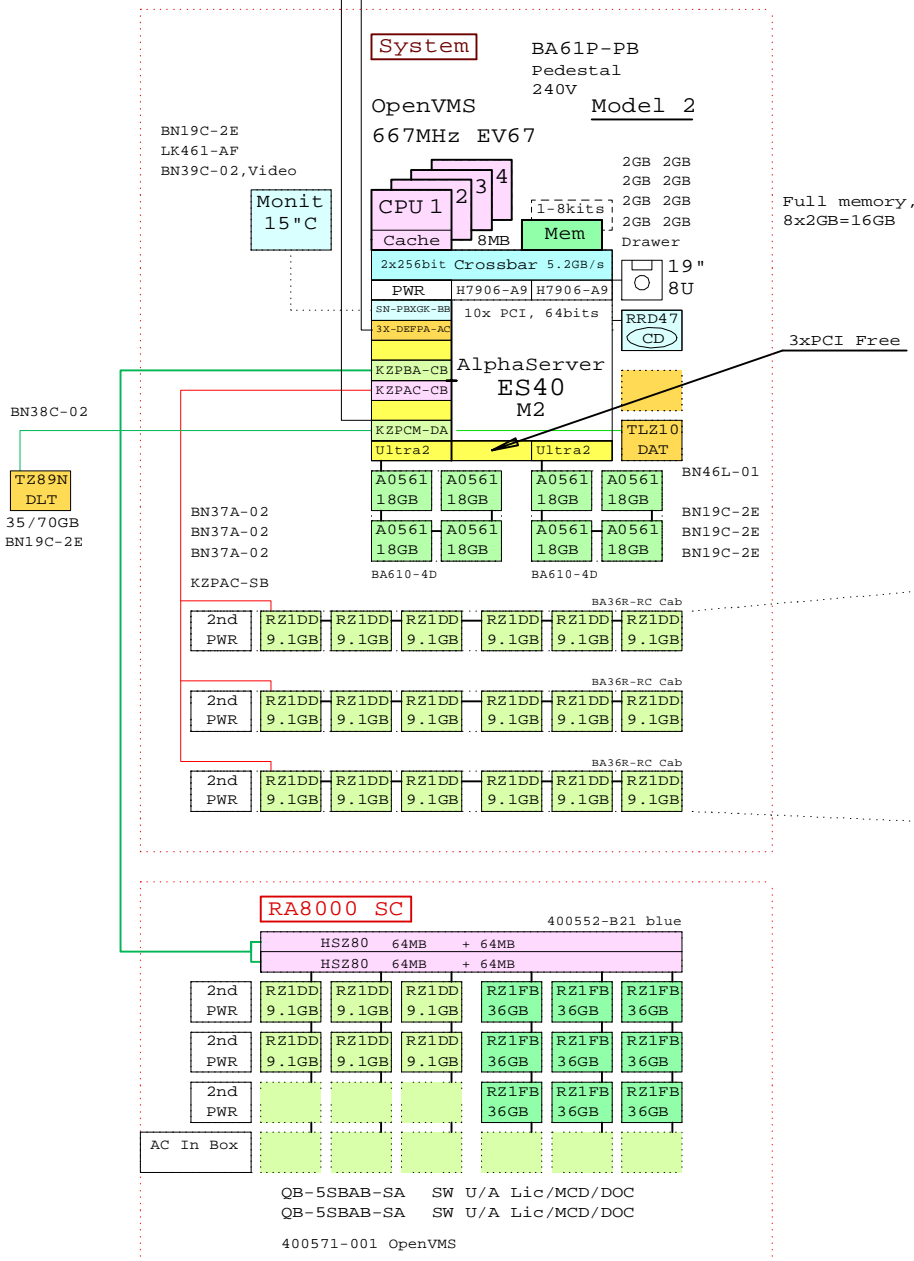
COMPAQ 19-Apr-2000 GTAVES405
Matti.Patari@compaq.com

AlphaServer ES40 OpenVMS Tower
GOLDEN EGGS Visuals, Helsinki

ES40 Model 2 Pedestal System

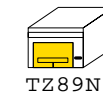
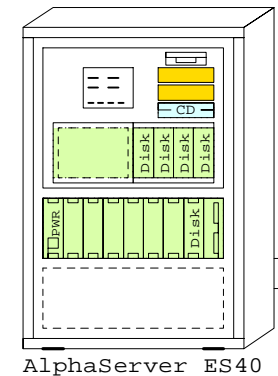
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FDDI



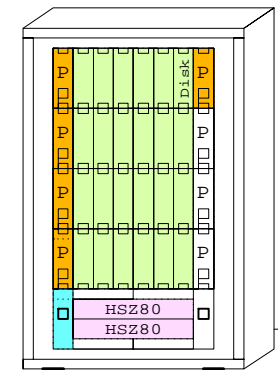
Bill of material for the base Pedestal

Part Number	Qty	Description
1	DY-64BAA-EA	1 ES40 67/667 Model 2 2GB OVMS 10PCI DWR
1.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TC095
1.2	3X-DEFPA-AC	1 PCI to FDDI SAS MMF with SC,Universal
1.3	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.3.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.4	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.4.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.5	H7906-A9	2 ES40 Power Syply, 2nd or 3rd
1.6	KN610-BC	3 ES40 6/667MHz OVMS SMP 8mb cache
1.7	KZPBA-CB	1 PCI to UltraSCSI Adapter Uwdif
1.8	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.9	MS610-EA	7 ES40 2GB Memory Option
1.10	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.11	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
2	BN39C-02	1 1.8 Video Extension Cable ****
3	BN19C-2E	4 PowerCable 240V, C-Europe
4	BN46L-01	1 Multi head SCSI cable,ES40
5	LK461-AF	1 VMS STYLE KEYBOARD, Fin/Swed



BOM for the RAID disks in pedestal

Part Number	Qty	Description
1	BA36R-RC	1 RH ULTRASCSCI SHELF CAB SINGLE
1.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
1.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
2	BA36R-RC	1 RH ULTRASCSCI SHELF CAB SINGLE
2.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
2.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
3	BA36R-RC	1 RH ULTRASCSCI SHELF CAB SINGLE
3.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
3.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
4	KZPAC-CB	1 3 Chan. SCSI RAID 8MB UltraW
5	BN37A-02	3 Ultra Cbl VHDCI - VHDCI
6	KZPAC-SB	1 Dual bulk head



BOM for the external RA8000 RAID

Part Number	Qty	Description
1	400552-B21	1 RA8000 SC 2x HSZ80 64MB Blue pedestal
1.1	DS-BA35X-HE	1 AC INPUT BOX BA370
1.2	DS-BA35X-HH	3 180W power supply Blu SBB
1.3	DS-HSSIM-AB	2 64MB Cache Upg for HSZ70
1.4	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
1.5	DS-RZ1FB-VW	9 36GB 7200 UltraSCSI Disk
2	QB-5SBAB-SA	2 HSZ70 SW UNIX Alp LIC/MCD/DOC
3	400571-001	1 Ultra opt OS Software OpenVMS
4	KZPBA-CB	1 PCI to UltraSCSI Adapter Uwdif

This template is included in the present GOLDEN EGGS Software kit.

ES40 OVMS



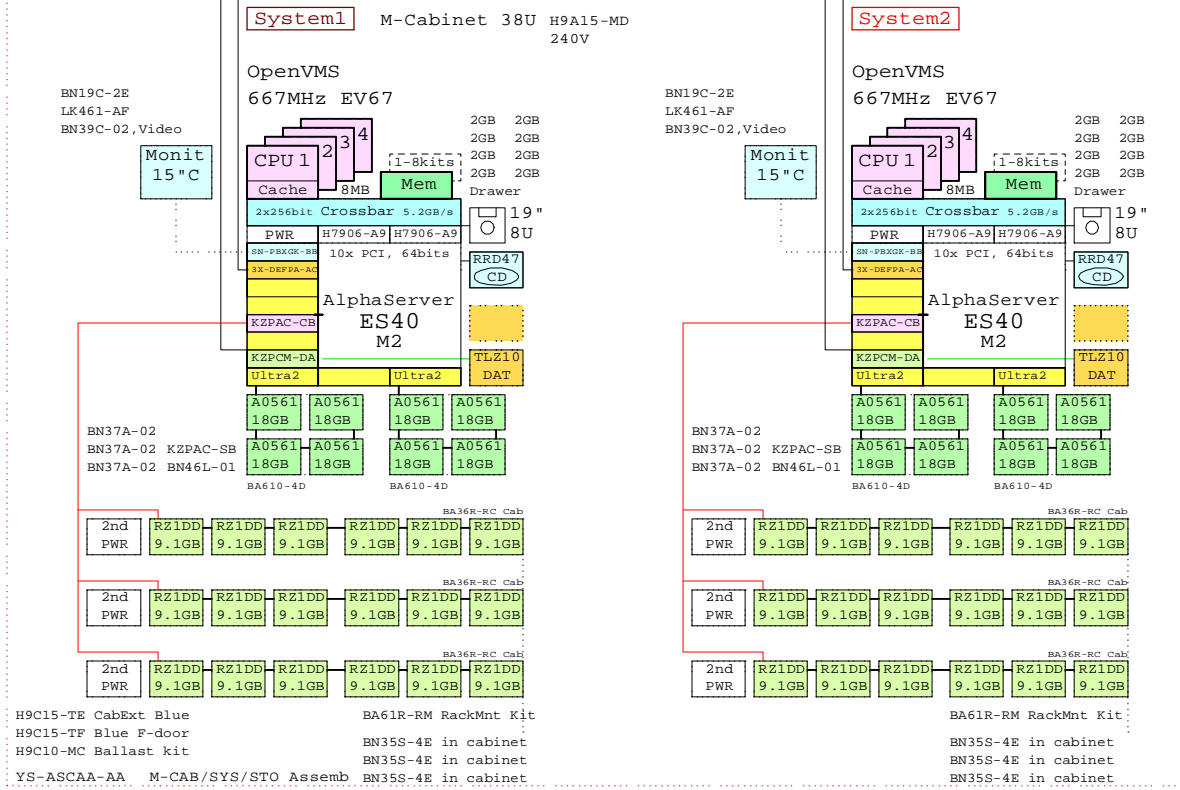
19-Apr-2000 GTAVES406
Matti.Patari@compaq.com

AlphaServer ES40 OpenVMS Ped.
GOLDEN EGGS Visuals, Helsinki

Ethernet

ES40 Model 2 Systems in Cabinet M15

FDDI

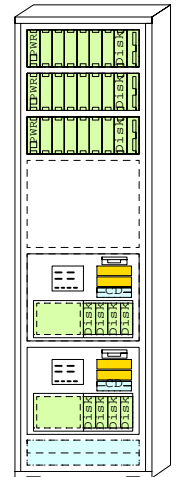


Bill of material for Cabinet and System 1

Part Number	Qty	Description
1	H9A15-MD	1 M-Series Cab,H9A15,Blue,240V 38U
1.1	BA36R-RC	1 RH ULTRASCSI SHELF CAB SINGLE
1.1.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
1.1.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
1.2	BA36R-RC	1 RH ULTRASCSI SHELF CAB SINGLE
1.2.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
1.2.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
1.3	BA36R-RC	1 RH ULTRASCSI SHELF CAB SINGLE
1.3.1	CK-BA35X-HH	1 180W Stor.Shelf PWR for AS4x00
1.3.2	DS-RZ1DD-VW	6 9.1GB 10000r UltraSCSI disk
1.4	BA61R-RM	1 ES40 Rackmount Kit
1.5	BN19C-2E	1 PowerCable 240V, C-Europe
1.6	BN35S-4E	3 PowerCord C13 to C14, Non US
1.7	BN37A-02	3 Ultra cbl VHDCI - VHDCI
1.8	BN39C-02	1 1.8 Video Extension Cable ****
1.9	DY-64BAA-EA	1 ES40 67/667 Model 2 2GB OVMS 10PCI DWR
1.9.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TCO95
1.9.2	3X-DEFFA-AC	1 PCI to FDDI SAS MMF with SC,Universal
1.9.3	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.9.3.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.9.4	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.9.4.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.9.5	BM46L-01	1 Multi head SCSI cable,ES40
1.9.6	H7906-A9	2 ES40 Power Syplly, 2nd or 3rd
1.9.7	KN610-BC	3 ES40 6/667MHz OVMS SMP 8mb cache
1.9.8	KZPAC-CB	1 3 Chan. SCSI RAID 8MB UltraW
1.9.9	KZPAC-SB	1 Dual bulk head
1.9.10	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.9.11	MS610-EA	7 ES40 2GB Memory Option
1.9.12	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.9.13	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
1.10	H9C10-MC	1 Ballast Kit for cabinets
1.11	H9C15-TE	1 Rear cab extender for H9A15 Blue
1.12	H9C15-TF	1 FrontDoorKit Blue for H9A15
1.13	LK461-AF	1 VMS STYLE KEYBOARD, Fin/Swed
1.14	YS-ASCAA-AA	1 M-CAB/SYS/STO Assembly

Bill of material for System 2

Part Number	Qty	Description
1	DY-64BAA-EA	1 ES40 67/667 Model 2 2GB OVMS 10PCI DWR
1.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TCO95
1.2	3X-DEFFA-AC	1 PCI to FDDI SAS MMF with SC,Universal
1.3	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.3.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.4	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.4.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.5	BN46L-01	1 Multi head SCSI cable,ES40
1.6	H7906-A9	2 ES40 Power Syplly, 2nd or 3rd
1.7	KN610-BC	3 ES40 6/667MHz OVMS SMP 8mb cache
1.8	KZPAC-CB	1 3 Chan. SCSI RAID 8MB UltraW
1.9	KZPAC-SB	1 Dual bulk head
1.10	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.11	MS610-EA	7 ES40 2GB Memory Option
1.12	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.13	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
2	BA61R-RM	1 ES40 Rackmount Kit
3	BN35S-4E	3 PowerCord C13 to C14, Non US
4	CK-BA35X-HH	3 180W Stor.Shelf PWR for AS4x00
5	DS-RZ1DD-VW	18 9.1GB 10000r UltraSCSI disk
6	BN39C-02	1 1.8 Video Extension Cable ****
7	BN37A-02	3 Ultra cbl VHDCI - VHDCI
8	BN19C-2E	1 PowerCable 240V, C-Europe
9	LK461-AF	1 VMS STYLE KEYBOARD, Fin/Swed



This template is included in the present GOLDEN EGGS Software kit.

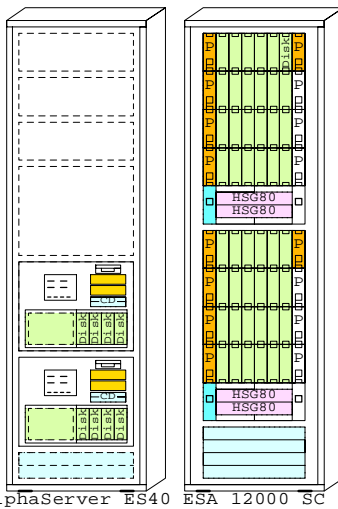
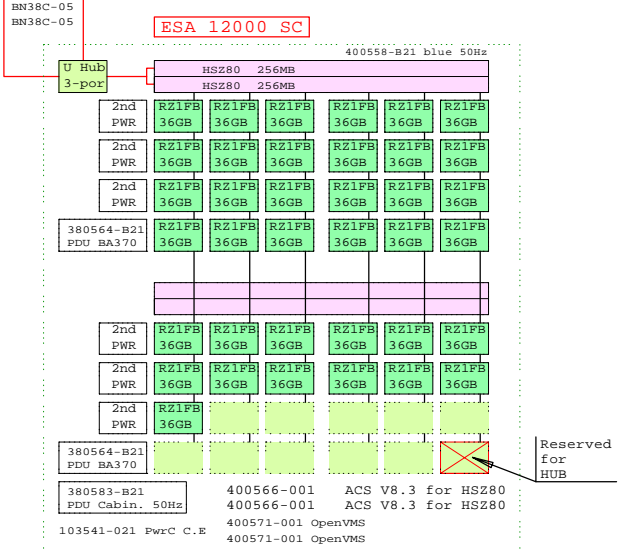
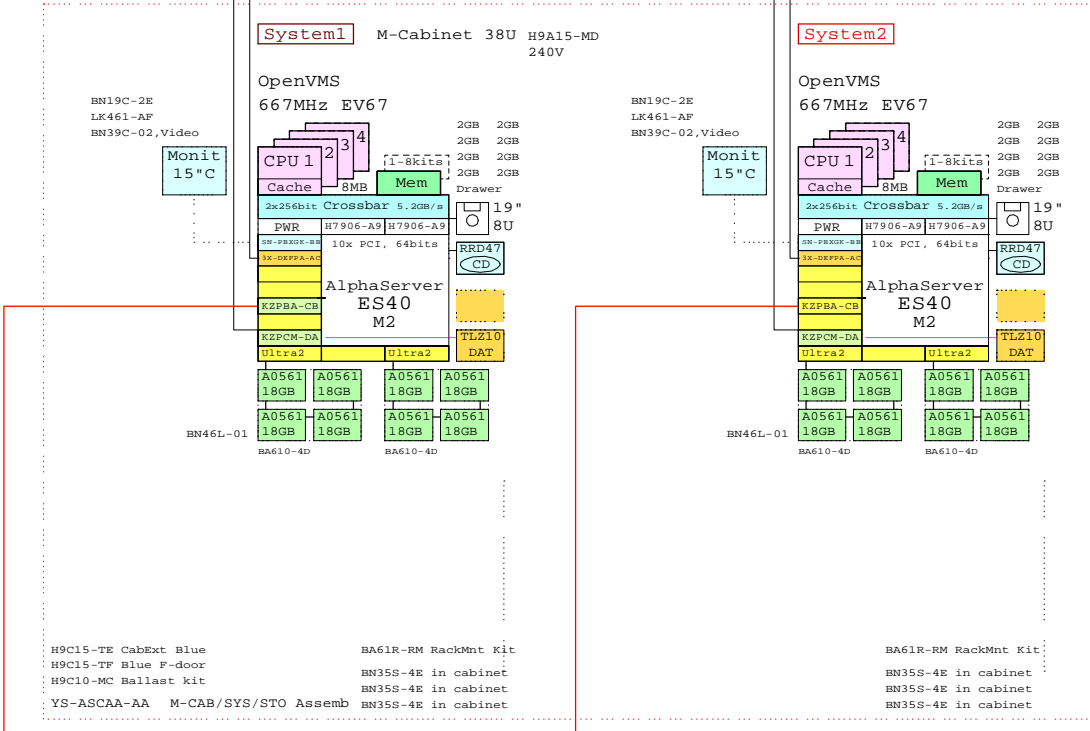
ES40 OVMS

COMPAQ 19-Apr-2000 GTAVES407
Matti.Patari@compaq.com

AlphaServer ES40 OpenVMS Cab.
GOLDEN EGGS Visuals, Helsinki

ES40 Model 2 Cluster with external storage

Ethernet
FDDI



Bill of material for two cabinet Cluster

Part Number	Qty	Description
1	H9A15-MD	1 M-Series Cab,H9A15,Blue,240V 38U
1.1	BA61R-RM	2 ES40 Rackmount Kit
1.2	BN19C-2E	2 PowerCable 240V, C-Europe
1.3	BN35S-4E	6 PowerCord C13 to C14, Non US
1.4	BN39C-02	2 1.8 Video Extension Cable ****
1.5	DY-64BAA-EA	1 ES40 67/667 Model 2 2GB OVMS 10PCI DWR
1.5.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TC095
1.5.2	3X-DEFFPA-AC	1 PCI to FDDI SAS MMF with SC,Universal
1.5.3	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.5.3.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.5.4	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.5.4.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.5.5	BN46L-01	1 Multi head SCSI cable,ES40
1.5.6	H7906-A9	2 ES40 Power Sply, 2nd or 3rd
1.5.7	KN610-BC	3 ES40 6/667MHz OVMS SMP 8mb cache
1.5.8	KZPBA-CB	1 PCI to UltraSCSI Adapter UWDif
1.5.9	KZPCM-DA	1 Dual Uscci with FastEther PCI
1.5.10	MS610-EA	7 ES40 2GB Memory Option
1.5.11	SN-PRXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.5.12	TLZ10-LB	1 12/24Gb 4mm DAT 5.25" HH
1.6	DY-64BAA-EA	1 ES40 67/667 Model 2 2GB OVMS 10PCI DWR
1.6.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TC095
1.6.2	3X-DEFFPA-AC	1 PCI to FDDI SAS MMF with SC,Universal
1.6.3	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.6.3.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.6.4	BA610-4D	1 ES40 Disk Drive Cage, 4Bay
1.6.4.1	3R-A0561-AA	4 18.2GB 10000r Universal Disk
1.6.5	BN46L-01	1 Multi head SCSI cable,ES40
1.6.6	H7906-A9	2 ES40 Power Sply, 2nd or 3rd
1.6.7	KN610-BC	3 ES40 6/667MHz OVMS SMP 8mb cache
1.6.8	KZPBA-CB	1 PCI to UltraSCSI Adapter UWDif
1.6.9	KZPCM-DA	1 Dual Uscci with FastEther PCI
1.6.10	MS610-EA	7 ES40 2GB Memory Option
1.6.11	SN-PRXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.6.12	TLZ10-LB	1 12/24Gb 4mm DAT 5.25" HH
1.7	H9C10-MC	1 Ballast Kit for cabinets
1.8	H9C15-TE	1 Rear cab extender for H9A15 Blue
1.9	H9C15-TF	1 FrontDoorKit Blue for H9A15
1.10	LK461-AF	2 VMS STYLE KEYBOARD, Fin/Swed
1.11	YS-ASCAA-AA	1 M-CAB/SYS/STO Assembly
2	400558-B21	1 ESA1200 SC 50Hz 2x24 2xCnt blue
2.1	103541-021	1 Power Cord 13-20A C.Europe
2.2	380564-B21	2 Power Distribution Unit RA8k/7k
2.3	380565-B21	6 Power Sply 180W Hot Plug SBB
2.4	380583-B21	1 ESA1200 Cabinet PDU 50Hz
2.5	400566-001	2 HSZ80 Controller Software ACS V8.3
2.6	400571-001	2 Ultra opt OS Software OpenVMS
2.7	DS-DWZZH-03	1 Uscci Act hub 0 SE:3/Dif 3.5" SBB
2.8	DS-RZ1FB-VW	37 36GB 7200 UltraSCSI Disk
3	BN38C-05	2 Ultra Cbl VHDCI - 68HD

COMPAQ 19-Apr-2000 GTAVES408
Matti.Patari@compaq.com

ES40 OVMS AlphaServer ES40 OpenVMS Clust
GOLDEN EGGS Visuals, Helsinki

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