

# AlphaServer DS20E 67/667 Systems

Order number      Operating system      **Server systems, 64bits 667MHz**

<b>#1</b>	DA-56PAA--DA 256MB -EA 512MB -FA 1GB	DIGITAL UNIX	(Disk) RX,CD (NI SVGA)
	DY-56PAA--**	OpenVMS	(Disk) RX,CD (NI SVGA)
	DJ-56PAA--**	Linux Ready	(Disk) RX,CD (NI SVGA)

## #2 Tower system

3X-BA56P-PB	Tower kit
3X-BA611-4D	Disk drive cage
3R-A0585-AA	Disk drive, 18GB
3X-KZPCA-AA	Ultra2 SCSI adapter
3X-DE600-AA	Ethernet adapter
BN25G-10	Cable twisted, 10m
SN-PBXGK-BB	Elsa Gloria 8MB
BN19C-2E	Power cord

## #2 Cabinet system

3X-BA56R-RC	Rack mount kit
3X-BA611-4D	Disk drive cage
3R-A0585-AA	Disk drive, 18GB
3X-KZPCA-AA	Ultra2 SCSI adapter
3X-DE600-AA	Ethernet adapter
BN25G-10	Cable twisted, 10m
SN-PBXGK-BB	Elsa Gloria 8MB
BN35S-4E	CPU power cord for cab
H9A15-MC/MD	Cabinet 120V/240V 38U
H9C15-TE	Cabinet rear extender
H9C15-TF	Cabinet front door
H9C10-MC	Ballast kit 40lbs
YS-ASCAA-AA	Factory integration

**#3** SVGA color monitor      **#4** Select a keyboard and one powercord for pedestal.

15" 3R-VRQV5-24/11
17" 3R-VRQP7-24/23
North/South
BN39C-02 2m ext.cable

SN-LKQ47	-AE GB	-AG G	-AM S
UNIX, Lin	-AB B	-AH NL	-AN N
	-AD DK	-AI I	-AP F
LK461	-AF FI	-AK CH	-AS E
OVMS			

BN19C-2E	Europe
BN19A-2E	GB
BN19E-2E	CH
BN19K-2E	DK
BN19Z-2E	I

### Internal options

Memory expansion

DIMM-kits	Max memory
MS340-CA 256MB	4x 1GB =4GB
MS340-DA 512MB	
MS340-EA 1GB	

Additional CPUs

KN311-BB	UNIX	667MHz
KN311-BC	OVMS	667MHz
KN311-BD	Linux	667MHz

3rd Power

FR-H7910-AA
For N+1

Internal storage

#### Tape storage

TLZ10-LB	12/24GB DAT SCSI tape
3X-BC56C-2F	SCSI cable for tape

#### Disk storage

3R-A0584-AA	9.2GB Ultra3 U-disk 10k
3R-A0585-AA	18.2GB Ultra3 U-disk 10k
3R-A0919-AA	36.4GB Ultra3 U-disk 10k

3X-KZPCA-AA	LVD SCSI adapter
KZPBA-CA	UltraSCSI SE adapter
BN38C-02	2m SCSI cable, 68HD-VHDCI
KZPAC-CB	RAID 3-port, 8MB cache
KZPSC-UB	Cache battery
BN37A-02	2m SCSI cbl VHDCI-VHDCI

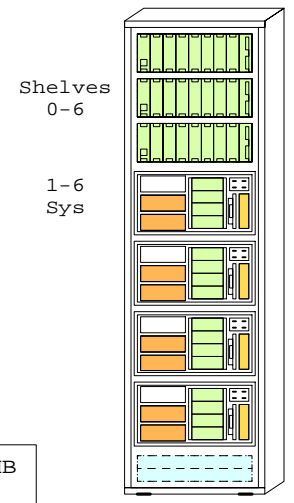
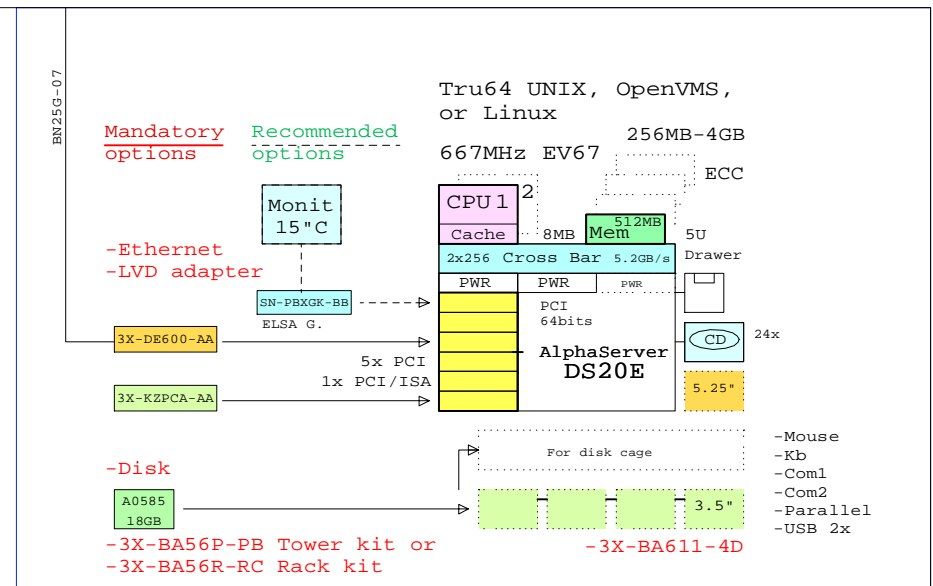
Controllers

SN-PBXGK-BB	ELSA Gloria Graph. 8MB
3X-DEPVD-AA	Permedia 2 + Ethernet
3X-DE600-AA	Fast Ethernet 10/100
3X-DEFPA-DC	FDDI DAS MMF SC
DEGPA-SA	Gigabit Ethernet
KZPBA-CB	UltraSCSI Diff, 68HD

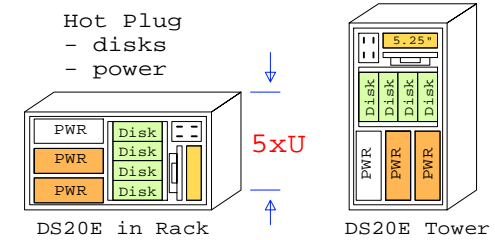
### External options

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



AlphaServer DS20E in Cabinet H9A15



### Licenses included:

- DIGITAL UNIX V4.0F, Base license, Unlimited User license, Server Extension license, and Internet Access Software license and Netscape's Enterprise Server 3.0.
- OpenVMS V7.2-1, Base license and DIGITAL Enterprise Integration Package.

	@667MHz
SPECint95	40
SPECfp95	84
SPECweb99	685
TPC	....

Software Processor Code: **E**

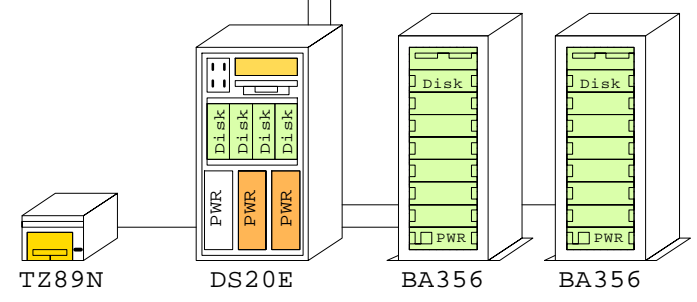
<b>COMPAQ</b>	18-Aug-2000	GEADS20E2
	Matti.Patari@compaq.com	

AlphaServer DS20E 667MHz Syst.  
GOLDEN EGGS Visuals, Helsinki

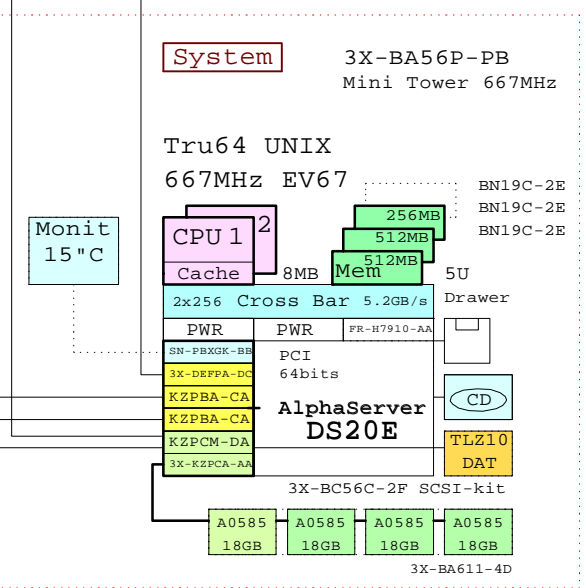
**DS20E expanded Tru64 UNIX system**

FDDI

Ethernet



SN-LKQ47-AF  
BN39C-02, Video  
BN19C-2E

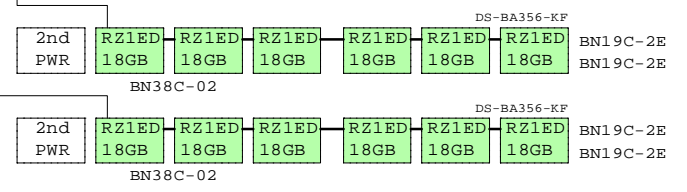


**Bill of material**

	Part Number	Qty	Description
1	3X-BA56P-PB	1	DS20E Mini tower pedestal kit,667MHz
1.1	BN19C-2E	3	PowerCable 240V, C-Europe
1.2	DA-56PAA-EA	1	AS DS20E 6/667 512MB,Rack,UNIX
1.2.1	3R-VRQV5-24	1	COMPAQ V55 CLR MON,NH,TCO95
1.2.2	3X-BA611-4D	1	Disk Cage for DS20E, 4x disk
1.2.2.1	3R-A0585-AA	4	18.2GB Uscsi3 10k Universal disk
1.2.3	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.2.4	3X-DEFFA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.2.5	3X-KZPCA-AA	1	Single channel LVD adapter
1.2.6	FR-H7910-AA	1	Third power supply for DS20E
1.2.7	KN311-BB	1	AS DS20E 6/667 SMP UPG UNIX
1.2.8	KZPBA-CA	2	PCI to UltraSCSI Adapter UWSE
1.2.9	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.2.10	MS340-CA	1	DS20 256MB SDIMM MEM 4x64MB
1.2.11	MS340-DA	1	DS20 512MB SDIMM MEM 4x128MB
1.2.12	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.2.13	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
2	DS-BA356-KF	1	Pedestal Storage, UltraW, Single-Bus
2.1	BN19C-2E	2	PowerCable 240V, C-Europe
2.2	BN38C-02	1	Ultra Cbl VHDCI - 68HD
2.3	CK-BA35X-HH	1	180W Stor.Shelf PWR for AS4x00
2.4	DS-RZ1ED-VW	6	18.2GB 10000r UltraSCSI disk
3	DS-BA356-KF	1	Pedestal Storage, UltraW, Single-Bus
3.1	BN19C-2E	2	PowerCable 240V, C-Europe
3.2	BN38C-02	1	Ultra Cbl VHDCI - 68HD
3.3	CK-BA35X-HH	1	180W Stor.Shelf PWR for AS4x00
3.4	DS-RZ1ED-VW	6	18.2GB 10000r UltraSCSI disk
4	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
5	BN39C-02	1	1.8 Video Extension Cable ****
6	SN-LKQ47-AF	1	102 KEY KYBD, NON-WIN, Finnish
7	BN19C-2E	2	PowerCable 240V, C-Europe
8	BN38C-02	1	Ultra Cbl VHDCI - 68HD

TZ89N  
DLT  
35/70GB  
BN19C-2E  
BN38C-02

**2x BA356**



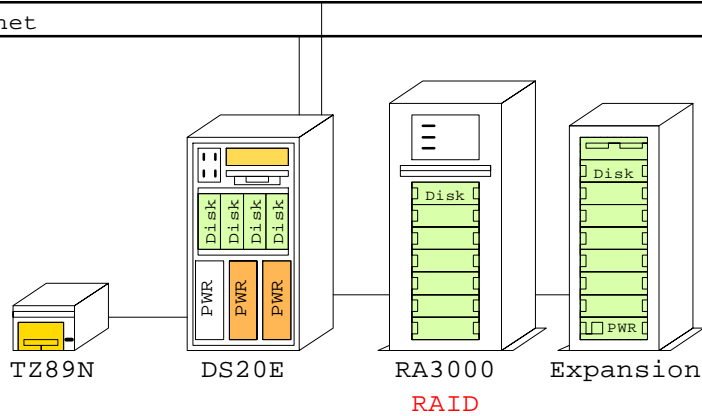
**COMPAQ** 22-Aug-2000 GTAUDS20E5  
Matti.Patari@compaq.com

AlphaServer DS20E UNIX System  
GOLDEN EGGS Visuals, Helsinki

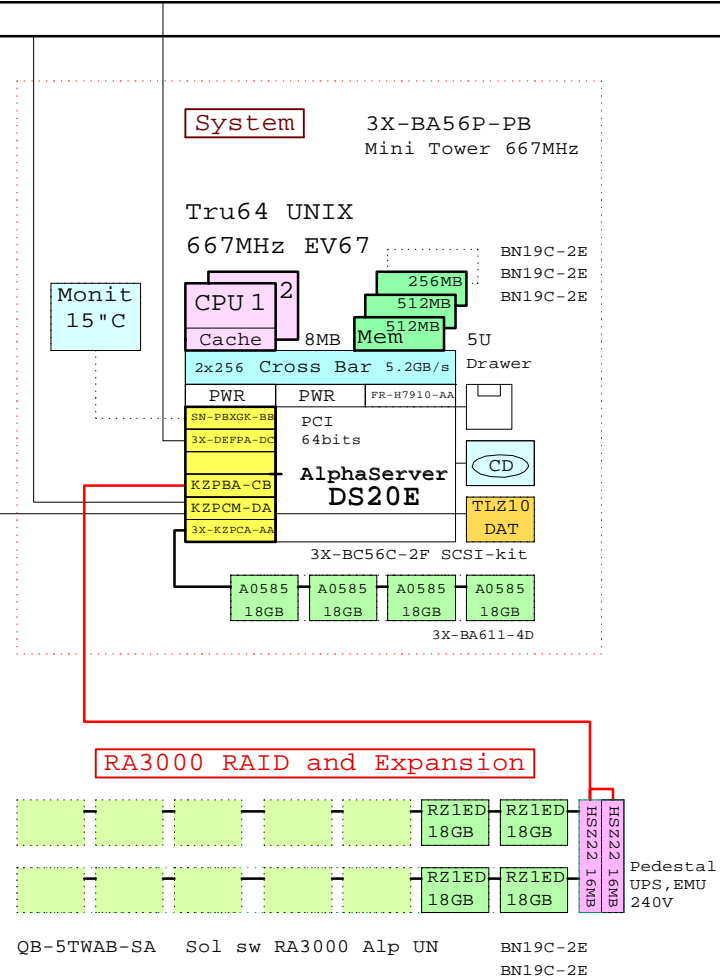
DS20E expanded Tru64 UNIX RAID system

FDDI

Ethernet



SN-LKQ47-AF  
BN39C-02, Video  
BN19C-2E



Bill of material

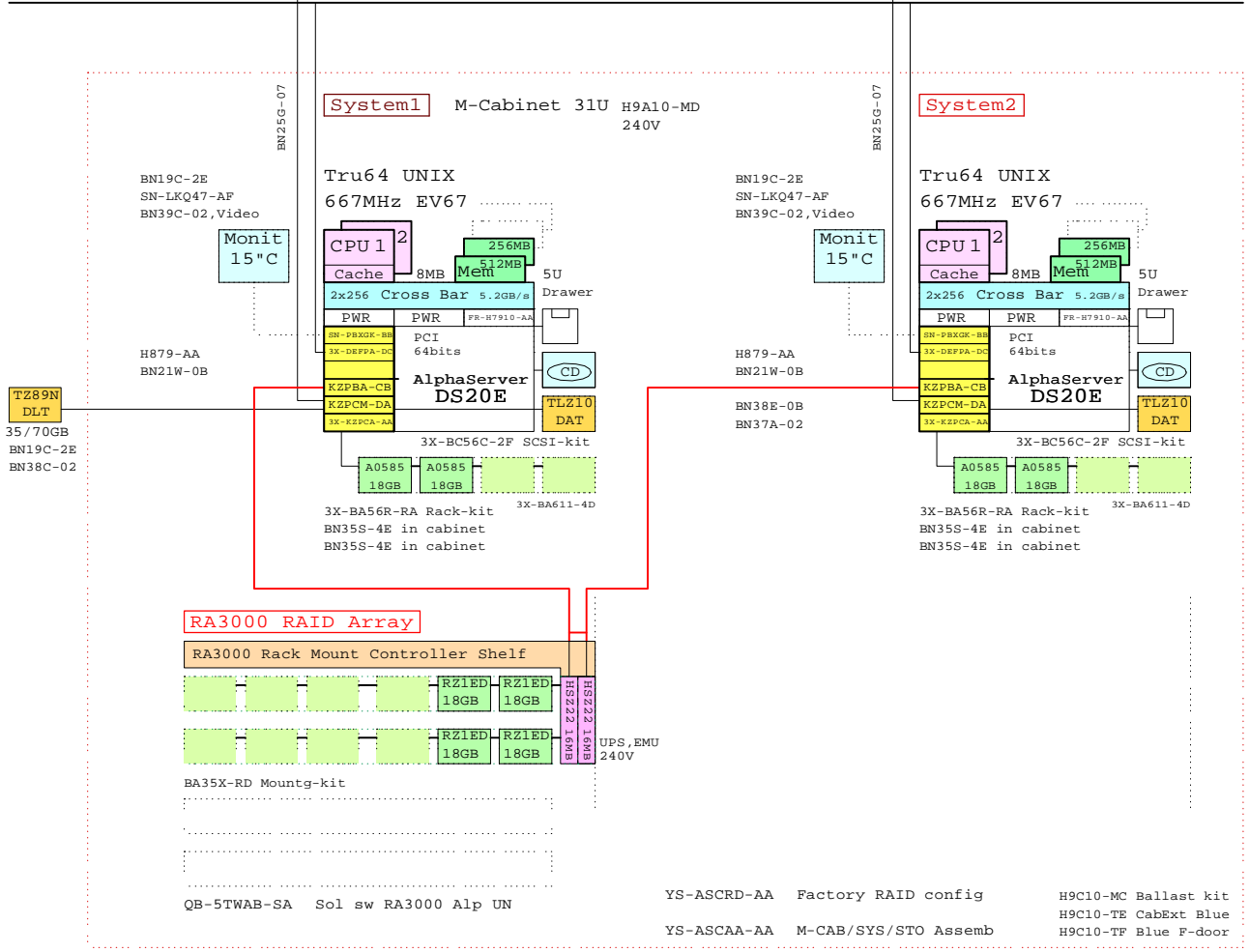
	Part Number	Qty	Description
1	3X-BA56P-PB	1	DS20E Mini tower pedestal kit,667MHz
1.1	BN19C-2E	3	PowerCable 240V, C-Europe
1.2	DA-56PAA-EA	1	AS DS20E 6/667 512MB,Rack,UNIX
1.2.1	3R-VROV5-24	1	COMPAQ V55 CLR MON,NH,TCO95
1.2.2	3X-BA611-4D	1	Disk Cage for DS20E, 4x disk
1.2.2.1	3R-A0585-AA	4	18.2GB Uscsi3 10k Universal disk
1.2.3	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.2.4	3X-DEFFA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.2.5	3X-KZPCA-AA	1	Single channel LVD adapter
1.2.6	FR-H7910-AA	1	Third power supply for DS20E
1.2.7	KN311-BB	1	AS DS20E 6/667 SMP UPG UNIX
1.2.8	KZPBA-CB	1	PCI to UltraSCSI Adapter UWdif
1.2.9	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.2.10	MS340-CA	1	DS20 256MB SDIMM MEM 4x64MB
1.2.11	MS340-DA	1	DS20 512MB SDIMM MEM 4x128MB
1.2.12	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.2.13	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
2	DS-SWXRA-GC	1	RA3000 Pedestal one H5Z22 240V
2.1	DS-HSZ22-AA	1	HSZ22 controller 16MB
2.2	DS-RZ1ED-VW	2	18.2GB 10000r UltraSCSI disk
2.3	DS-SWXRA-GD	1	RA3000 Pedestal Expans 120/240
2.3.1	DS-RZ1ED-VW	2	18.2GB 10000r UltraSCSI disk
3	QB-5TWAB-SA	1	Sol sw RA3000 Alp UNIX
4	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
5	BN39C-02	1	1.8 Video Extension Cable ****
6	SN-LKQ47-AF	1	102 KEY KYBD,NON-WIN, Finnish
7	BN19C-2E	4	PowerCable 240V, C-Europe
8	BN38C-02	1	Ultra Cbl VHDCI - 68HD

<b>COMPAQ</b>	22-Aug-2000	GTAUDS20E6
	Matti.Patari@compaq.com	
AlphaServer DS20E UNIX RAID		
GOLDEN EGGS Visuals, Helsinki		

**DS20E UNIX Cluster with in-cabinet RA3000 RAID storage**

Ethernet

FDDI



BOM for this cabinet system

Part Number	Qty	Description
1	H9A10-MD	1 M-Series Cab,H9A10,Blue,240V 31U
1.1	3X-BA56R-RA	2 Rack mount kit, DS20E, for M-series
1.2	BA35X-RD	1 Mounting kit, metric
1.3	BN19C-2E	2 PowerCable 240V, C-Europe
1.4	BN21W-0B	2 Y SCSI-2 Cable 68 pins/6.15m
1.5	BN25G-07	2 17-03212-05 8MP-8MP PATCH CBL
1.6	BN35S-4E	4 PowerCord C13 to C14, Non US
1.7	BN37A-02	1 Ultra Cbl VHDCI - VHDCI
1.8	BN38E-0B	1 Ultra Cbl VHDCI - 68HD
1.9	BN39C-02	2 1.8 Video Extension Cable ****
1.10	DA-56PAA-EA	1 AS DS20E 6/667 512MB,Rack,UNIX
1.10.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TCO95
1.10.2	3X-BA611-4D	1 Disk Cage for DS20E, 4x disk
1.10.2.1	3R-A0585-AA	2 18.2GB Uscsi3 10k Universal disk
1.10.3	3X-BC56C-2F	1 DS20E Scsi Cable Kit
1.10.4	3X-DEPFA-DC	1 PCI to FDDI DAS MMF with SC,Universal
1.10.5	3X-KZPCA-AA	1 Single channel LVD adapter
1.10.6	FR-H7910-AA	1 Third power supply for DS20E
1.10.7	KN311-BB	1 AS DS20E 6/667 SMP UPG UNIX
1.10.8	KZPBA-CB	1 PCI to UltraSCSI Adapter UWdif
1.10.9	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.10.10	MS340-CA	1 DS20 256MB SDIMM MEM 4x64MB
1.10.11	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.10.12	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
1.11	DA-56PAA-EA	1 AS DS20E 6/667 512MB,Rack,UNIX
1.11.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TCO95
1.11.2	3X-BA611-4D	1 Disk Cage for DS20E, 4x disk
1.11.2.1	3R-A0585-AA	2 18.2GB Uscsi3 10k Universal disk
1.11.3	3X-BC56C-2F	1 DS20E Scsi Cable Kit
1.11.4	3X-DEPFA-DC	1 PCI to FDDI DAS MMF with SC,Universal
1.11.5	3X-KZPCA-AA	1 Single channel LVD adapter
1.11.6	FR-H7910-AA	1 Third power supply for DS20E
1.11.7	KN311-BB	1 AS DS20E 6/667 SMP UPG UNIX
1.11.8	KZPBA-CB	1 PCI to UltraSCSI Adapter UWdif
1.11.9	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.11.10	MS340-CA	1 DS20 256MB SDIMM MEM 4x64MB
1.11.11	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.11.12	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
1.12	DS-SWXRA-GK	1 RA3000 Rackmount one HSZ22 240V
1.12.1	DS-HSZ22-AA	1 HSZ22 controller 16MB
1.12.2	DS-SWXRA-GN	1 RA3000 Rackmount Expan 120/240
1.12.2.1	DS-RZ1ED-VW	2 18.2GB 10000r UltraSCSI disk
1.12.3	DS-SWXRA-GN	1 RA3000 Rackmount Expan 120/240
1.12.3.1	DS-RZ1ED-VW	2 18.2GB 10000r UltraSCSI disk
1.13	H879-AA	2 SCSI-3 Term - 68 pin Male
1.14	H9C10-MC	1 Ballast Kit for cabinets
1.15	H9C10-TE	1 Rear cab extender for H9A10 Blue
1.16	H9C10-TF	1 FrontDoorKit Blue for H9A10
1.17	QB-5TWAB-SA	1 Sol sw RA3000 Alp UNIX
1.18	SN-LKQ47-AF	2 102 KEY KYBD, NON-WIN, Finnish
1.19	YS-ASCAA-AA	1 M-CAB/SYS/STO Assembly
1.20	YS-ASCRD-AA	1 Factory configured RAID sets of BA370
2	DS-TZ89N-TA	1 35/70GB SE DLT-tape TT FWSE
3	BN19C-2E	1 PowerCable 240V, C-Europe
4	BN38C-02	1 Ultra Cbl VHDCI - 68HD

**COMPAQ** 22-Aug-2000 GTAUDS20E7  
Mattti.Patari@Compaq.com

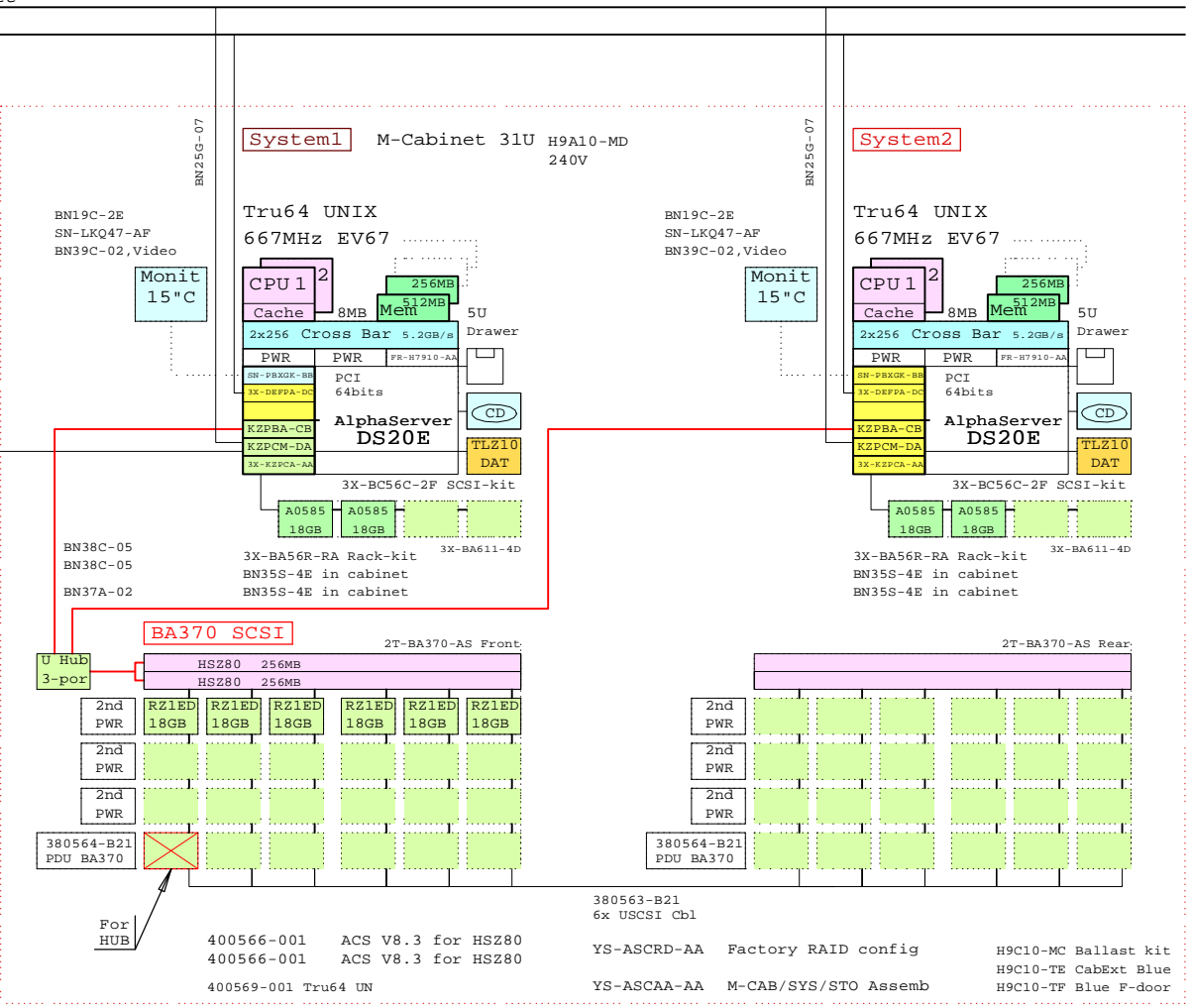
AlphaServer DS20E UNIX Cluster  
GOLDEN EGGS Visuals, Helsinki

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

**DS20E UNIX**

**DS20E UNIX Cluster with in-cabinet RAID storage**

Ethernet  
FDDI



BOM for this cabinet system

Part Number	Qty	Description
1		H9A10-MD 1 M-Series Cab,H9A10,Blue,240V 31U
1.1		2T-BA370-AR 1 BA370 shelf,slides Rear RackMount
1.1.1		380564-B21 1 Power Distribution Unit RA8k/7k
1.1.2		380565-B21 3 Power Supply 180W Hot Plug SBB
1.2		2T-BA370-AS 1 BA370 shelf,slides Front RackMount
1.2.1		380564-B21 1 Power Distribution Unit RA8k/7k
1.2.2		380565-B21 3 Power Supply 180W Hot Plug SBB
1.2.3		400565-B21 2 Ultra Opt-1 cont w 2x128MB cache HS280
1.2.4		DS-DWZZH-03 1 Uscsi Act hub 0 SE:3/Dif 3.5" SBB
1.2.5		DS-RZ1ED-VW 6 18.2GB 10000r UltraSCSI disk
1.3		380563-B21 1 Set of six USCSI cables
1.4		3X-BA56R-RA 2 Rack mount kit, DS20E, for M-series
1.5		400566-001 2 HSZ80 Controller Software ACS V8.3
1.6		400569-001 1 Ultra opt OS Software Tru64 UNIX
1.7		BN19C-2E 2 PowerCable 240V, C-Europe
1.8		BN25G-07 2 17-03212-05 8MP-8MP PATCH CBL
1.9		BN35S-4E 4 PowerCord CL3 to CL4, Non US
1.10		BN37A-02 1 Ultra Cbl VHDCI - VHDCI
1.11		BN39C-05 2 Ultra Cbl VHDCI - 6BHD
1.12		BN39C-02 2 1.8 Video Extension Cable ****
1.13		DA-56PAA-EA 1 AS DS20E 6/667 512MB,Rack,UNIX
1.13.1		3R-VRQV5-24 1 COMPAQ V55 CLR MON,NH,TCO95
1.13.2		3X-BA611-4D 1 Disk Cage for DS20E, 4x disk
1.13.2.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk
1.13.3		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.13.4		3X-DEFFA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.13.5		3X-KZPCA-AA 1 Single channel LVD adapter
1.13.6		FR-H7910-AA 1 Third power supply for DS20E
1.13.7		KN311-BB 1 AS DS20E 6/667 SMP UPG UNIX
1.13.8		KZPBA-CB 1 PCI to UltraSCSI Adapter Uwdif
1.13.9		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.13.10		MS340-CA 1 DS20 256MB SDRAM MEM 4x64MB
1.13.11		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.13.12		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.14		DA-56PAA-EA 1 AS DS20E 6/667 512MB,Rack,UNIX
1.14.1		3R-VRQV5-24 1 COMPAQ V55 CLR MON,NH,TCO95
1.14.2		3X-BA611-4D 1 Disk Cage for DS20E, 4x disk
1.14.2.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk
1.14.3		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.14.4		3X-DEFFA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.14.5		3X-KZPCA-AA 1 Single channel LVD adapter
1.14.6		FR-H7910-AA 1 Third power supply for DS20E
1.14.7		KN311-BB 1 AS DS20E 6/667 SMP UPG UNIX
1.14.8		KZPBA-CB 1 PCI to UltraSCSI Adapter Uwdif
1.14.9		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.14.10		MS340-CA 1 DS20 256MB SDRAM MEM 4x64MB
1.14.11		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.14.12		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.15		H9C10-MC 1 Ballast Kit for cabinets
1.16		H9C10-TE 1 Rear cab extender for H9A10 Blue
1.17		H9C10-TF 1 FrontDoorKit Blue for H9A10
1.18		SN-LKQ47-AF 2 102 KEY KYBD, NON-WIN, Finnish
1.19		YS-ASCAA-AA 1 M-CAB/SYS/STO Assembly
1.20		YS-ASCRD-AA 1 Factory configured RAID sets of BA370
2		DS-TZ89N-TA 1 35/70GB SE DLT-tape TT FWSE
3		BN19C-2E 1 PowerCable 240V, C-Europe
4		BN38C-02 1 Ultra Cbl VHDCI - 68HD

**COMPAQ** 22-Aug-2000 GTAUDS20E8  
Matti.Patari@Compaq.com

AlphaServer DS20E UNIX Cluster  
GOLDEN EGGS Visuals, Helsinki

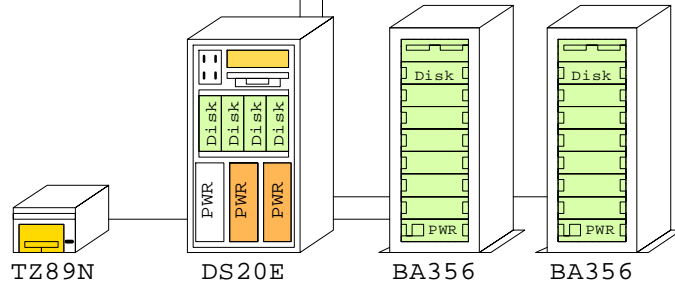
This template is included in the present GOLDEN EGGS Software kit.

**DS20E UNIX**

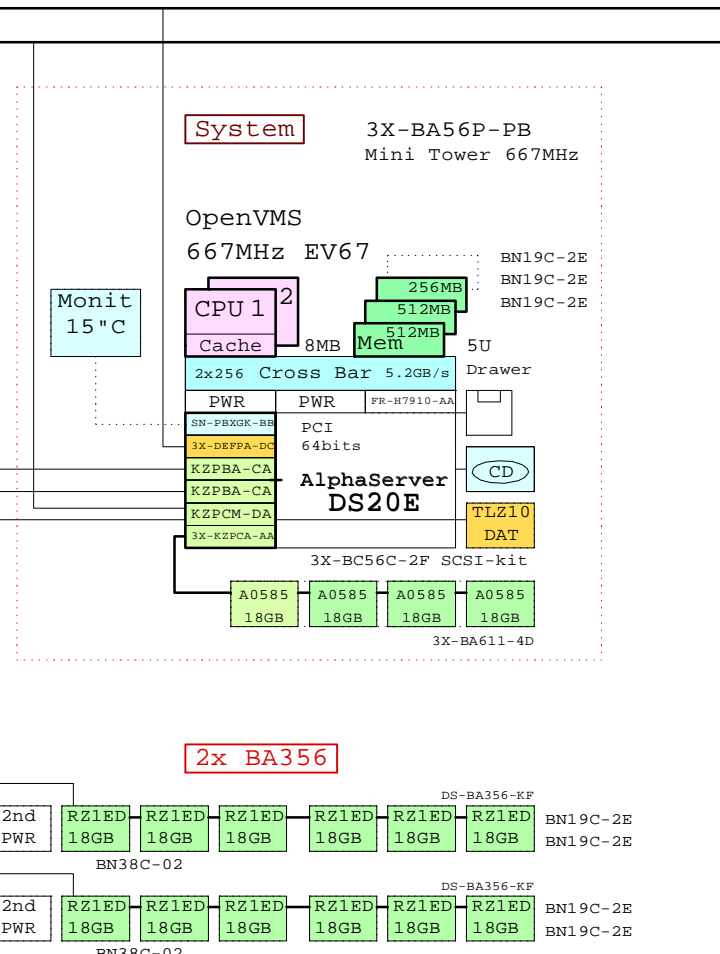
DS20E expanded OpenVMS system

FDDI

Ethernet



LK461-AF  
BN39C-02, Video  
BN19C-2E



Bill of material

	Part Number	Qty	Description
1	3X-BA56P-PB	1	DS20E Mini tower pedestal kit,667MHz
1.1	BN19C-2E	3	PowerCable 240V, C-Europe
1.2	DY-56PAA-EA	1	AS DS20E 6/667 512MB,Rack,OVMS
1.2.1	3R-VRQV5-24	1	COMPAQ V55 CLR MON,NH,TC095
1.2.2	3X-BA611-4D	1	Disk Cage for DS20E, 4x disk
1.2.2.1	3R-A0585-AA	4	18.2GB Uscsi3 10k Universal disk
1.2.3	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.2.4	3X-DEFFA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.2.5	3X-KZFCA-AA	1	Single channel LVD adapter
1.2.6	FR-H7910-AA	1	Third power supply for DS20E
1.2.7	KN311-BC	1	AS DS20E 6/667 SMP UPG OpenVMS
1.2.8	KZPBA-CA	2	PCI to UltraSCSI Adapter UWSE
1.2.9	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.2.10	MS340-CA	1	DS20 256MB SDIMM MEM 4x64MB
1.2.11	MS340-DA	1	DS20 512MB SDIMM MEM 4x128MB
1.2.12	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.2.13	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
2	DS-BA356-KF	1	Pedestal Storage, UltraW, Single-Bus
2.1	BN19C-2E	2	PowerCable 240V, C-Europe
2.2	BN38C-02	1	Ultra Cbl VHDCI - 68HD
2.3	CK-BA35X-HH	1	180W Stor.Shelf PWR for AS4x00
2.4	DS-RZ1ED-VW	6	18.2GB 10000r UltraSCSI disk
3	DS-BA356-KF	1	Pedestal Storage, UltraW, Single-Bus
3.1	BN19C-2E	2	PowerCable 240V, C-Europe
3.2	BN38C-02	1	Ultra Cbl VHDCI - 68HD
3.3	CK-BA35X-HH	1	180W Stor.Shelf PWR for AS4x00
3.4	DS-RZ1ED-VW	6	18.2GB 10000r UltraSCSI disk
4	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
5	BN39C-02	1	1.8 Video Extension Cable ****
6	BN19C-2E	2	PowerCable 240V, C-Europe
7	BN38C-02	1	Ultra Cbl VHDCI - 68HD
8	LK461-AF	1	VMS STYLE KEYBOARD, Fin/Swed



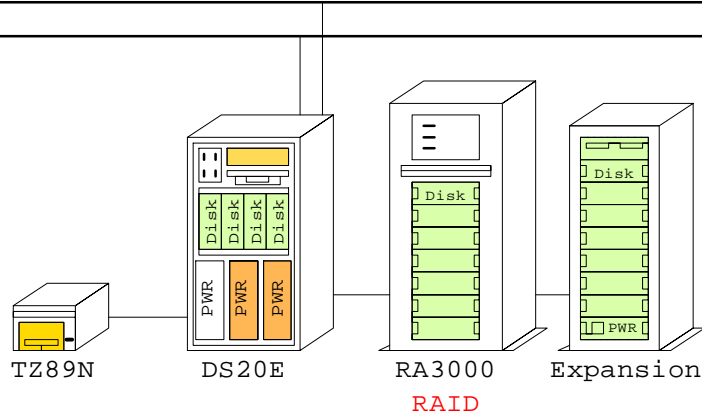
22-Aug-2000 GTAVDS20E5  
Matti.Patari@compaq.com

AlphaServer DS20E OpenVMS Syst  
GOLDEN EGGS Visuals, Helsinki

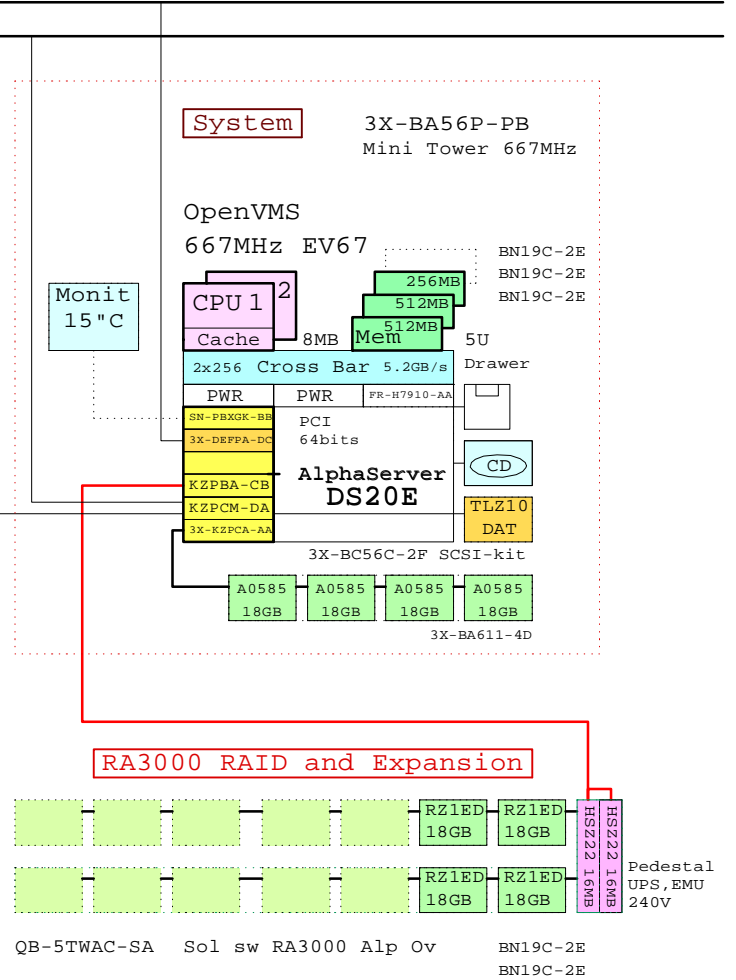
DS20E expanded OpenVMS RAID system

FDDI

Ethernet



LK461-AF  
BN39C-02, Video  
BN19C-2E



Bill of material

	Part Number	Qty	Description
1	3X-BA56P-PB	1	DS20E Mini tower pedestal kit,667MHz
1.1	BN19C-2E	3	PowerCable 240V, C-Europe
1.2	DY-56PAA-EA	1	AS DS20E 6/667 512MB,Rack,OVMS
1.2.1	3R-VRQV5-24	1	COMPAQ V55 CLR MON,NH,TCO95
1.2.2	3X-BA611-4D	1	Disk Cage for DS20E, 4x disk
1.2.2.1	3R-A0585-AA	4	18.2GB Uscsi3 10k Universal disk
1.2.3	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.2.4	3X-DEFFA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.2.5	3X-KZPCA-AA	1	Single channel LVD adapter
1.2.6	FR-H7910-AA	1	Third power supply for DS20E
1.2.7	KN311-BC	1	AS DS20E 6/667 SMP UPG OpenVMS
1.2.8	KZPBA-CB	1	PCI to UltraSCSI Adapter UWdif
1.2.9	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.2.10	MS340-CA	1	DS20 256MB SDIMM MEM 4x64MB
1.2.11	MS340-DA	1	DS20 512MB SDIMM MEM 4x128MB
1.2.12	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.2.13	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
2	DS-SWXRA-GC	1	RA3000 Pedestal one HSZ22 240V
2.1	DS-HSZ22-AA	1	HSZ22 controller 16MB
2.2	DS-RZ1ED-VW	2	18.2GB 10000r UltraSCSI disk
2.3	DS-SWXRA-GD	1	RA3000 Pedestal Expans 120/240
2.3.1	DS-RZ1ED-VW	2	18.2GB 10000r UltraSCSI disk
3	QB-5TWAC-SA	1	Sol sw RA3000 Alp Ovms
4	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
5	BN39C-02	1	1.8 Video Extension Cable ****
6	BN19C-2E	4	PowerCable 240V, C-Europe
7	BN38C-02	1	Ultra Cbl VHDCI - 68HD
8	LK461-AF	1	VMS STYLE KEYBOARD, Fin/Swed

QB-5TWAC-SA Sol sw RA3000 Alp Ov BN19C-2E  
BN19C-2E

Pedestal UPS, EMU 240V



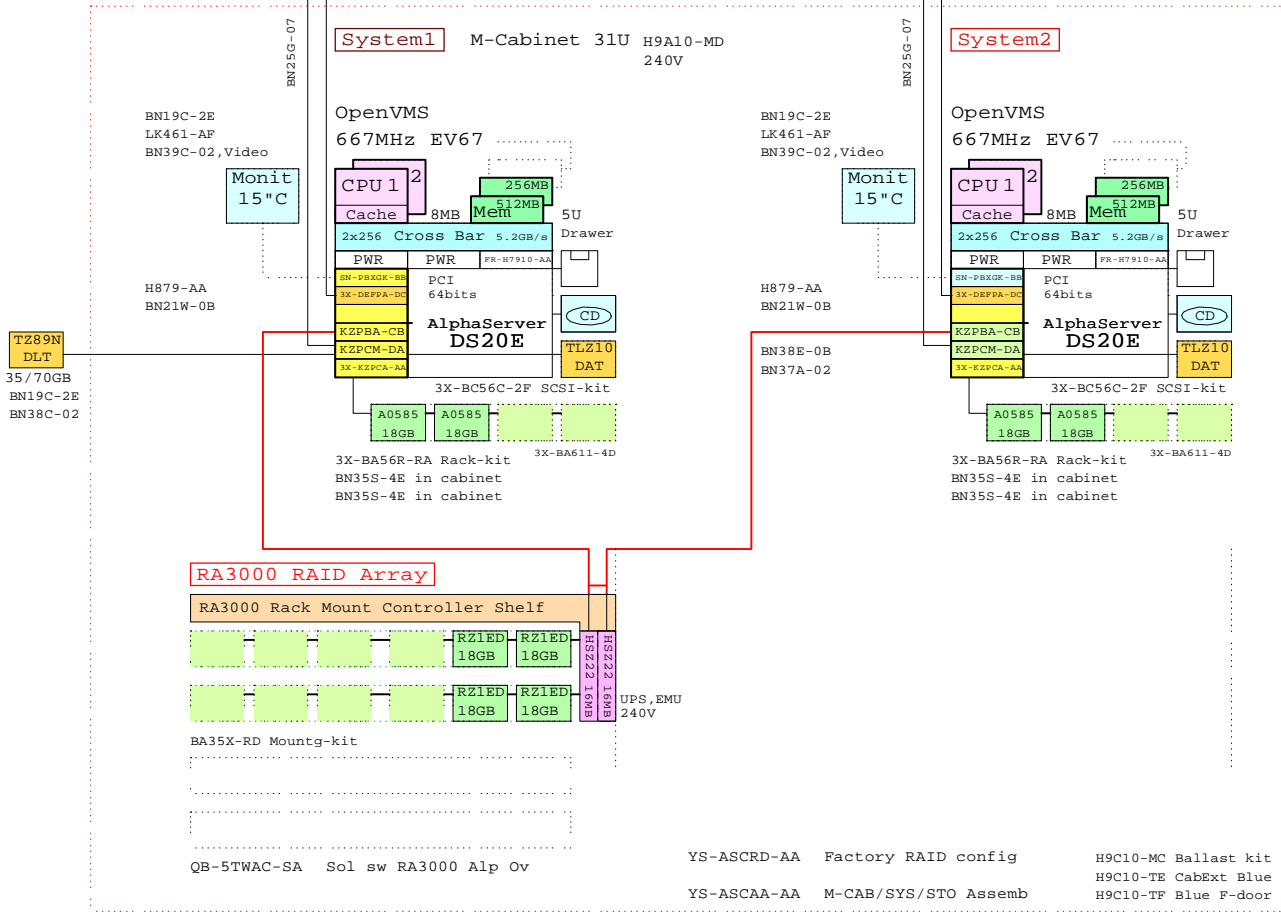
22-Aug-2000 GTAVDS20E6  
Matti.Patari@compaq.com

AlphaServer DS20E OpenVMS RAID  
GOLDEN EGGS Visuals, Helsinki

# DS20E OpenVMS Cluster with in-cabinet RA3000 RAID storage

Ethernet

FDDI



## BOM for this cabinet system

	Part Number	Qty	Description
1	H9A10-MD	1	M-Series Cab,H9A10,Blue,240V 31U
1.1	3X-BA56R-RA	2	Rack mount kit, DS20E, for M-series
1.2	BA35X-RD	1	Mounting kit, metric
1.3	BN19C-2E	2	PowerCable 240V, C-Europe
1.4	BN21W-0B	2	Y SCSI-2 cable 68 pins/6' .15m
1.5	BN25G-07	2	17-03212-05 8MP-8MP PATCH CBL
1.6	BN35S-4E	4	PowerCord C13 to C14, Non US
1.7	BN37A-02	1	Ultra Cbl VHDCI - VHDCI
1.8	BN38E-0B	1	Ultra Cbl VHDCI - 68HD
1.9	BN39C-02	2	1.8 Video Extension Cable ****
1.10	DS-SWXRA-GK	1	RA3000 Rackmount one HSZ22 240V
1.10.1	DS-HSZ22-AA	1	HSZ22 controller 16MB
1.10.2	DS-SWXRA-GN	1	RA3000 Rackmount Expan L20/240
1.10.2.1	DS-RZ1ED-VW	2	18.2GB 10000r UltraSCSI disk
1.10.3	DS-SWXRA-GN	1	RA3000 Rackmount Expan L20/240
1.10.3.1	DS-RZ1ED-VW	2	18.2GB 10000r UltraSCSI disk
1.11	DY-56PAA-EA	1	AS DS20E 6/667 512MB Rack_OVMS
1.11.1	3R-VRQV5-24	1	COMPAQ V55 CLR MON,NH,TC095
1.11.2	3X-BA611-4D	1	Disk Cage for DS20E, 4x disk
1.11.2.1	3R-A0585-AA	2	18.2GB Uscsi3 10k Universal disk
1.11.3	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.11.4	3X-DEFPA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.11.5	3X-KZPCA-AA	1	Single channel LVD adapter
1.11.6	FR-H7910-AA	1	Third power supply for DS20E
1.11.7	KN311-BC	1	AS DS20E 6/667 SMP UPG OpenVMS
1.11.8	KZPBA-CB	1	PCI to UltraSCSI Adapter Uwdif
1.11.9	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.11.10	MS340-CA	1	DS20 256MB SDIMM MEM 4x64MB
1.11.11	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.11.12	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
1.12	DY-56PAA-EA	1	AS DS20E 6/667 512MB Rack_OVMS
1.12.1	3R-VRQV5-24	1	COMPAQ V55 CLR MON,NH,TC095
1.12.2	3X-BA611-4D	1	Disk Cage for DS20E, 4x disk
1.12.2.1	3R-A0585-AA	2	18.2GB Uscsi3 10k Universal disk
1.12.3	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.12.4	3X-DEFPA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.12.5	3X-KZPCA-AA	1	Single channel LVD adapter
1.12.6	FR-H7910-AA	1	Third power supply for DS20E
1.12.7	KN311-BC	1	AS DS20E 6/667 SMP UPG OpenVMS
1.12.8	KZPBA-CB	1	PCI to UltraSCSI Adapter Uwdif
1.12.9	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.12.10	MS340-CA	1	DS20 256MB SDIMM MEM 4x64MB
1.12.11	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.12.12	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
1.13	H879-AA	2	SCSI-3 Term - 68 pin Male
1.14	H9C10-MC	1	Ballast Kit for cabinets
1.15	H9C10-TE	1	Rear cab extender for H9A10 Blue
1.16	H9C10-TF	1	FrontDoorKit Blue for H9A10
1.17	LK461-AF	2	VMS STYLE KEYBOARD, Fin/Swed
1.18	QB-5TWAC-SA	1	Sol sw RA3000 Alp Ovms
1.19	YS-ASCAA-AA	1	M-CAB/SYS/STO Assembly
1.20	YS-ASCRD-AA	1	Factory configured RAID sets of BA370
2	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
3	BN19C-2E	1	PowerCable 240V, C-Europe
4	BN38C-02	1	Ultra Cbl VHDCI - 68HD

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

## DS20E OVMS

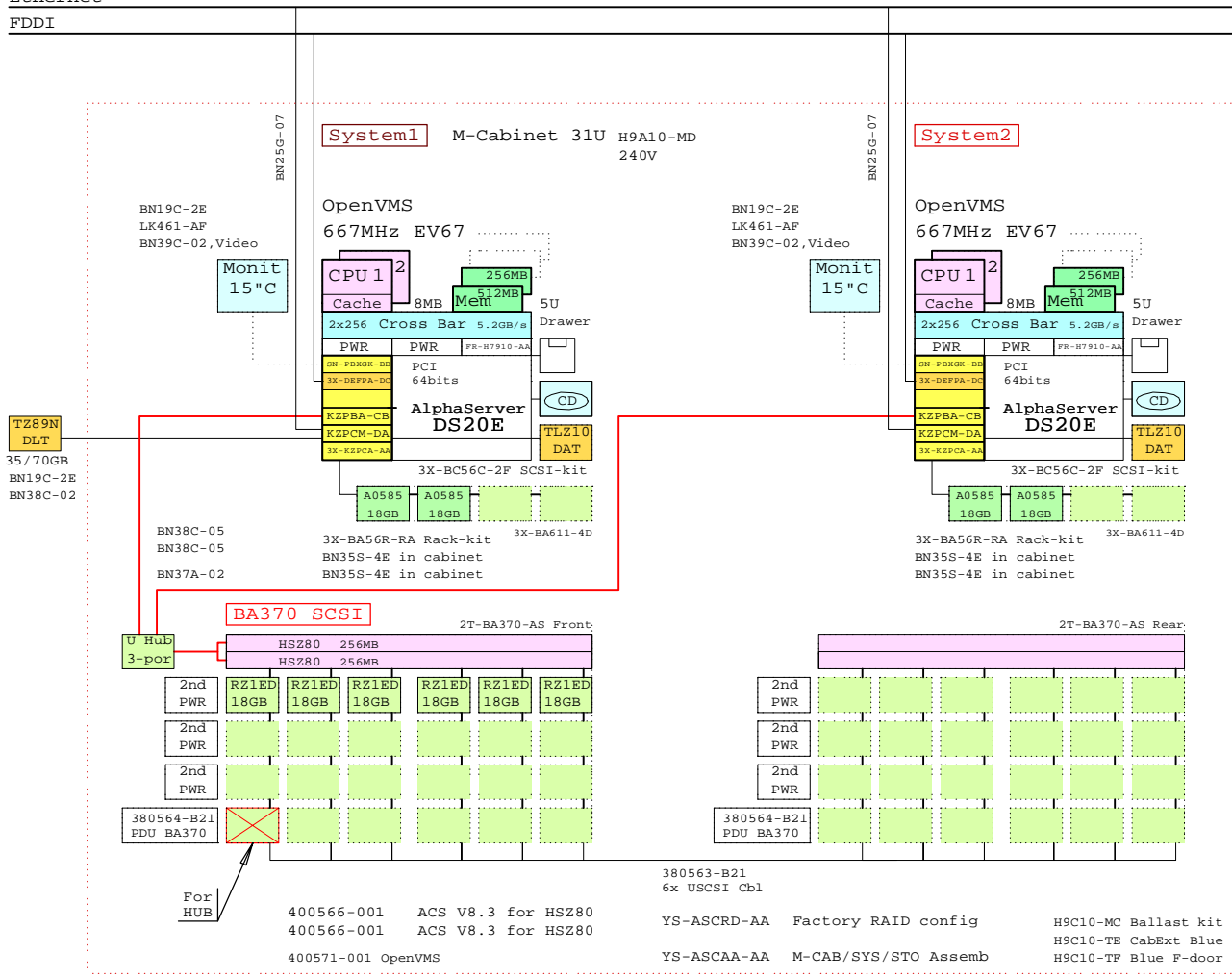
<b>COMPAQ</b>	22-Aug-2000	GTAVDS20E7
	Matti.Patari@Compaq.com	
AlphaServer DS20E OVMS Cluster GOLDEN EGGS Visuals, Helsinki		



**DS20E OpenVMS Cluster with in-cabinet RAID storage**

Ethernet

FDDI



BOM for this cabinet system

Part Number	Qty	Description
1		H9A10-MD 1 M-Series Cab,H9A10,Blue,240V 31U
1.1		2T-BA370-AR 1 BA370 shelf,slides Rear RackMount
1.1.1		380564-B21 1 Power Distribution Unit RA8k/7k
1.1.2		380565-B21 3 Power Supply 180W Hot Plug SBB
1.2		2T-BA370-AS 1 BA370 shelf,slides Front RackMount
1.2.1		380564-B21 1 Power Distribution Unit RA8k/7k
1.2.2		380565-B21 3 Power Supply 180W Hot Plug SBB
1.2.3		400565-B21 2 Ultra Opt-1 cont w 2x128MB cache HS280
1.2.4		DS-DWZZH-03 1 Uscsi Act hub 0 SE:3/Dif 3.5" SBB
1.2.5		DS-RZ1ED-VW 6 18.2GB 10000r UltraSCSI disk
1.3		380563-B21 1 Set of six USCSI cables
1.4		3X-BA56R-RA 2 Rack mount kit, DS20E, for M-series
1.5		400566-001 2 HSZ80 Controller Software ACS V8.3
1.6		400571-001 1 Ultra opt OS Software OpenVMS
1.7		BN19C-2E 2 PowerCable 240V, C-Europe
1.8		BN25G-07 2 17-03212-05 8MP-8MP PATCH CBL
1.9		BN35S-4E 4 PowerCord CL3 to CL4, Non US
1.10		BN37A-02 1 Ultra Cbl VHDCI - VHDCI
1.11		BN39C-02 2 Ultra Cbl VHDCI - 68HD
1.12		BN39C-02 2 1.8 Video Extension Cable ****
1.13		DY-56PAA-EA 1 AS DS20E 6/667 512MB,Rack_OVMS
1.13.1		3R-VRQV5-24 1 COMPAQ V55 CLR MON,NH,TC095
1.13.2		3X-BA611-4D 1 Disk Cage for DS20E, 4x disk
1.13.2.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk
1.13.3		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.13.4		3X-DEFFA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.13.5		3X-KZPCA-AA 1 Single channel LVD adapter
1.13.6		FR-H7910-AA 1 Third power supply for DS20E
1.13.7		KN311-BC 1 AS DS20E 6/667 SMP UPG OpenVMS
1.13.8		KZPBA-CB 1 PCI to UltraSCSI Adapter Uwdif
1.13.9		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.13.10		MS340-CA 1 DS20 256MB SDIMM MEM 4x64MB
1.13.11		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.13.12		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.14		DY-56PAA-EA 1 AS DS20E 6/667 512MB,Rack_OVMS
1.14.1		3R-VRQV5-24 1 COMPAQ V55 CLR MON,NH,TC095
1.14.2		3X-BA611-4D 1 Disk Cage for DS20E, 4x disk
1.14.2.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk
1.14.3		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.14.4		3X-DEFFA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.14.5		3X-KZPCA-AA 1 Single channel LVD adapter
1.14.6		FR-H7910-AA 1 Third power supply for DS20E
1.14.7		KN311-BC 1 AS DS20E 6/667 SMP UPG OpenVMS
1.14.8		KZPBA-CB 1 PCI to UltraSCSI Adapter Uwdif
1.14.9		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.14.10		MS340-CA 1 DS20 256MB SDIMM MEM 4x64MB
1.14.11		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.14.12		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.15		H9C10-MC 1 Ballast Kit for cabinets
1.16		H9C10-TE 1 Rear cab extender for H9A10 Blue
1.17		H9C10-TF 1 FrontDoorKit Blue for H9A10
1.18		LK461-AF 2 VMS STYLE KEYBOARD, Fin/Swed
1.19		YS-ASCAA-AA 1 M-CAB/SYS/STO Assembly
1.20		YS-ASCRD-AA 1 Factory configured RAID sets of BA370
2		DS-TZ89N-TA 1 35/70GB SE DLT-tape TT FWSE
3		BN19C-2E 1 PowerCable 240V, C-Europe
4		BN38C-02 1 Ultra Cbl VHDCI - 68HD

For HUB

400566-001 ACS V8.3 for HSZ80	380563-B21 6x USCSI Cbl	YS-ASCRD-AA Factory RAID config	H9C10-MC Ballast kit
400566-001 ACS V8.3 for HSZ80		YS-ASCAA-AA M-CAB/SYS/STO Assemb	H9C10-TE CabExt Blue
400571-001 OpenVMS			H9C10-TF Blue F-door

**COMPAQ** 22-Aug-2000 GTAUVS20E8  
 Matti.Patari@Compaq.com

AlphaServer DS20E OVMS Cluster  
 GOLDEN EGGS Visuals, Helsinki

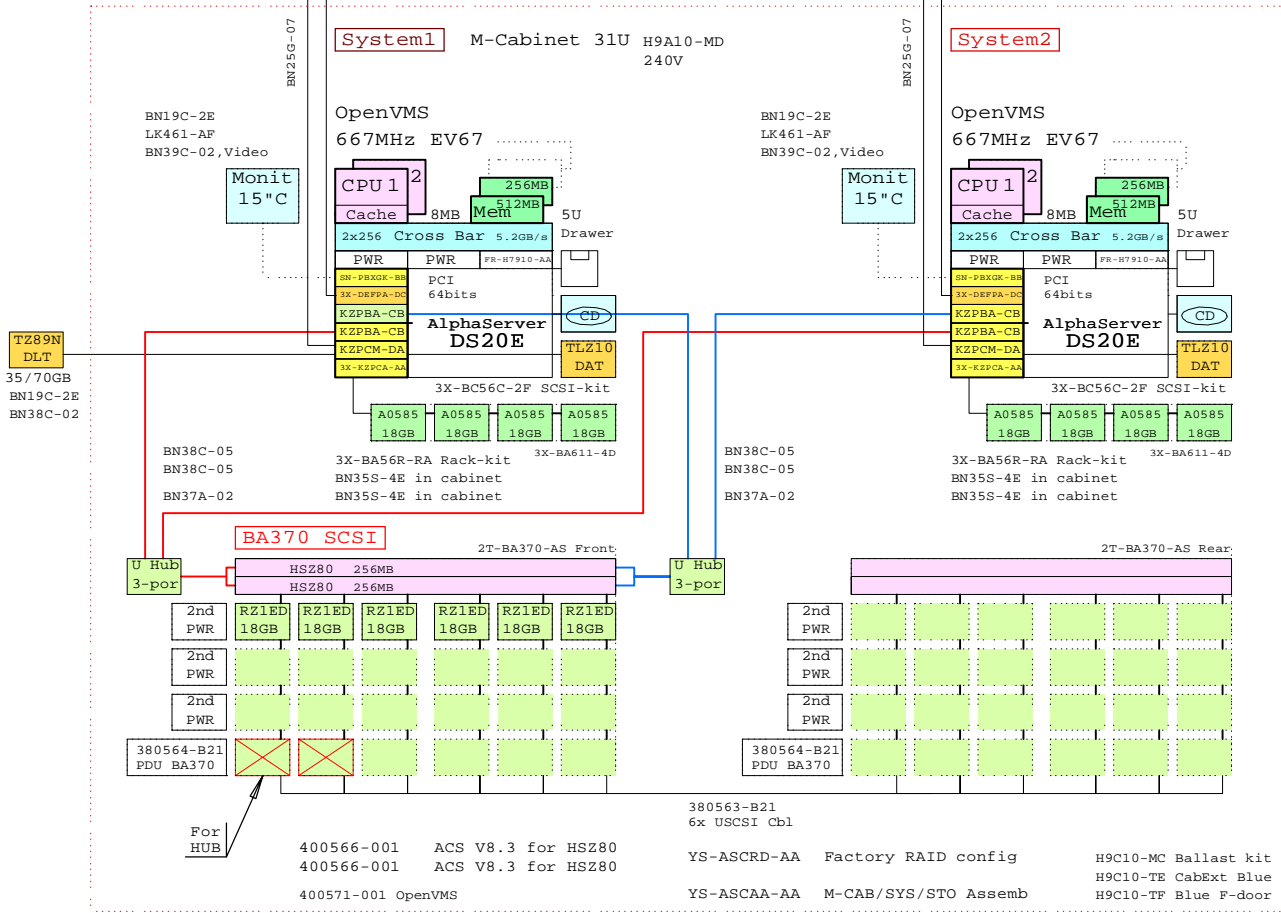
This template is included in the present GOLDEN EGGS Software kit.

**DS20E OVMS**

**DS20E OpenVMS Cluster with in-cabinet RAID storage, NO single point!**

Ethernet

FDDI



BOM for this cabinet system

Part Number	Qty	Description
1	H9A10-MD	1 M-Series Cab,H9A10,Blue,240V 31U
1.1	2T-BA370-AR	1 BA370 shelf,slides Rear RackMount
1.1.1	380564-B21	1 Power Distribution Unit RA8k/7k
1.1.2	380565-B21	3 Power Supply 180W Hot Plug SBB
1.2	2T-BA370-AS	1 BA370 shelf,slides Front RackMount
1.2.1	380564-B21	1 Power Distribution Unit RA8k/7k
1.2.2	380565-B21	3 Power Supply 180W Hot Plug SBB
1.2.3	400565-B21	2 Ultra Opt.1 cont w 2x128MB cache HSZ80
1.2.4	DS-DWZZH-03	1 Uscsi Act hub 0 SE:3/Dif 3.5" SBB
1.2.5	DS-RZ1ED-VW	6 18.2GB 10000r UltraSCSI disk
1.3	380563-B21	1 Set of six USCSI cables
1.4	3X-BA56R-RA	2 Rack mount kit, DS20E, for M-series
1.5	400566-001	2 HSZ80 Controller Software ACS V8.3
1.6	400571-001	1 Ultra opt OS Software OpenVMS
1.7	BN19C-2E	2 PowerCabl 240V, C-Europe
1.8	BN25G-07	2 17-03212-05 SMP-8MP PATCH CBL
1.9	BN35S-4E	4 PowerCord C13 to C14, Non US
1.10	BN37A-02	2 Ultra Cbl VHDCI - VHDCI
1.11	BN38C-05	4 Ultra Cbl VHDCI - 68HD
1.12	BN39C-02	2 1.8 Video Extension Cable ****
1.13	DS-DWZZH-03	1 Uscsi Act hub 0 SE:3/Dif 3.5" SBB
1.14	DY-56PAA-EA	1 AS DS20E 6/667 512MB,Rack_OVMS
1.14.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TCO95
1.14.2	3X-BA611-4D	1 Disk Cage for DS20E, 4x disk
1.14.2.1	3R-A0585-AA	4 18.2GB Uscsi3 10k Universal disk
1.14.3	3X-BC56C-2F	1 DS20E SCSI Cable Kit
1.14.4	3X-DEFFA-DC	1 PCI to FDDI DAS MMF with SC,Universal
1.14.5	3X-KZPCA-AA	1 Single channel LVD adapter
1.14.6	FR-H7910-AA	1 Third power supply for DS20E
1.14.7	KN311-BC	1 AS DS20E 6/667 SMP UPG OpenVMS
1.14.8	KZPBA-CB	2 PCI to UltraSCSI Adapter UWdif
1.14.9	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.14.10	MS340-CA	1 DS20 256MB SDIMM MEM 4x64MB
1.14.11	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.14.12	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
1.15	DY-56PAA-EA	1 AS DS20E 6/667 512MB,Rack_OVMS
1.15.1	3R-VRQV5-24	1 COMPAQ V55 CLR MON,NH,TCO95
1.15.2	3X-BA611-4D	1 Disk Cage for DS20E, 4x disk
1.15.2.1	3R-A0585-AA	4 18.2GB Uscsi3 10k Universal disk
1.15.3	3X-BC56C-2F	1 DS20E SCSI Cable Kit
1.15.4	3X-DEFFA-DC	1 PCI to FDDI DAS MMF with SC,Universal
1.15.5	3X-KZPCA-AA	1 Single channel LVD adapter
1.15.6	FR-H7910-AA	1 Third power supply for DS20E
1.15.7	KN311-BC	1 AS DS20E 6/667 SMP UPG OpenVMS
1.15.8	KZPBA-CB	2 PCI to UltraSCSI Adapter UWdif
1.15.9	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.15.10	MS340-CA	1 DS20 256MB SDIMM MEM 4x64MB
1.15.11	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.15.12	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
1.16	H9C10-MC	1 Ballast Kit for cabinets
1.17	H9C10-TE	1 Rear cab extender for H9A10 Blue
1.18	H9C10-TF	1 FrontDoorKit Blue for H9A10
1.19	LK461-AF	2 VMS STYLE KEYBOARD, Fin/Swed
1.20	YS-ASCAA-AA	1 M-CAB/SYS/STO Assembly
1.21	YS-ASCRD-AA	1 Factory configured RAID sets of BA370
2	DS-TZ89N-TA	1 35/70GB SE DLT-tape TT FWSE
3	BN19C-2E	1 PowerCable 240V, C-Europe
4	BN38C-02	1 Ultra Cbl VHDCI - 68HD

**COMPAQ** 22-Aug-2000 GTAVIDS20E9  
Mattl.Patarie@Compaq.com

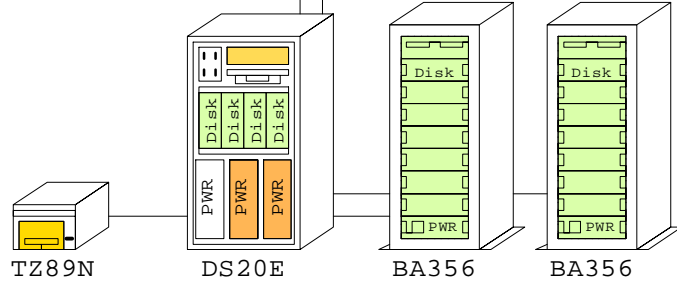
AlphaServer DS20E OVMS Cluster  
GOLDEN EGGS Visuals, Helsinki

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

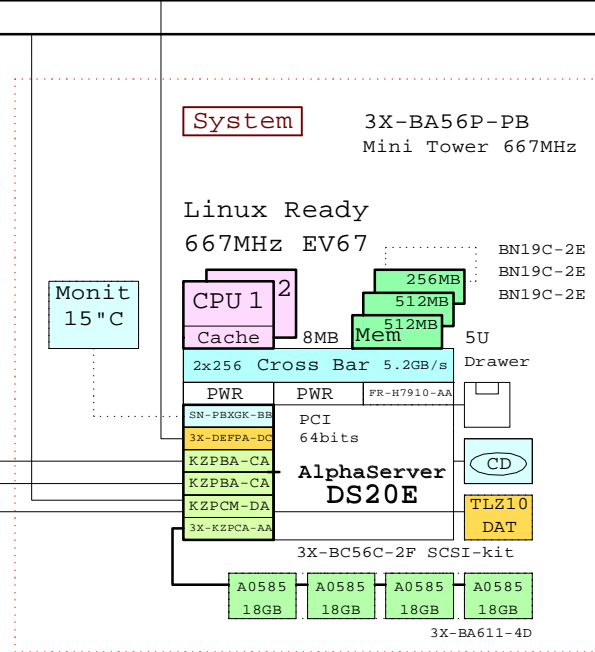
DS20E OVMS

FDDI  
Ethernet

DS20E expanded Linux system



SN-LKQ47-AF  
BN39C-02, Video  
BN19C-2E

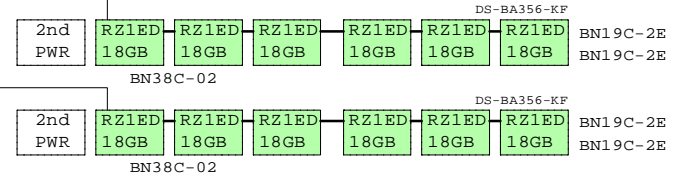


Bill of material

	Part Number	Qty	Description
1	3X-BA56P-PB	1	DS20E Mini tower pedestal kit,667MHz
1.1	BN19C-2E	3	PowerCable 240V, C-Europe
1.2	DJ-56PAA-EA	1	AS DS20E 6/667 512MB,Rack, Linux
1.2.1	3R-VRQV5-24	1	COMPAQ V55 CLR MON,NH,TC095
1.2.2	3X-BA611-4D	1	Disk Cage for DS20E, 4x disk
1.2.2.1	3R-A0585-AA	4	18.2GB Uscsi3 10k Universal disk
1.2.3	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.2.4	3X-DEFFA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.2.5	3X-KZPCA-AA	1	Single channel LVD adapter
1.2.6	FR-H7910-AA	1	Third power supply for DS20E
1.2.7	KN311-BD	1	AS DS20E 6/667 SMP UPG for Linux
1.2.8	KZPBA-CA	2	PCI to UltraSCSI Adapter UWSE
1.2.9	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.2.10	MS340-CA	1	DS20 256MB SDIMM MEM 4x64MB
1.2.11	MS340-DA	1	DS20 512MB SDIMM MEM 4x128MB
1.2.12	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.2.13	TLZ10-LB	1	12/24GB 4mm DAT 5.25" HH
2	DS-BA356-KF	1	Pedestal Storage, UltraW, Single-Bus
2.1	BN19C-2E	2	PowerCable 240V, C-Europe
2.2	BN38C-02	1	Ultra Cbl VHDCI - 68HD
2.3	CK-BA35X-HH	1	180W Stor.Shelf PWR for AS4x00
2.4	DS-RZ1ED-VW	6	18.2GB 10000r UltraSCSI disk
3	DS-BA356-KF	1	Pedestal Storage, UltraW, Single-Bus
3.1	BN19C-2E	2	PowerCable 240V, C-Europe
3.2	BN38C-02	1	Ultra Cbl VHDCI - 68HD
3.3	CK-BA35X-HH	1	180W Stor.Shelf PWR for AS4x00
3.4	DS-RZ1ED-VW	6	18.2GB 10000r UltraSCSI disk
4	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
5	BN39C-02	1	1.8 Video Extension Cable ****
6	SN-LKQ47-AF	1	102 KEY KYBD, NON-WIN, Finnish
7	BN19C-2E	2	PowerCable 240V, C-Europe
8	BN38C-02	1	Ultra Cbl VHDCI - 68HD

TZ89N  
DLT  
35/70GB  
BN19C-2E  
BN38C-02

2x BA356



<b>COMPAQ</b>	22-Aug-2000	GTALDS20E5
	Matti.Patari@compaq.com	
AlphaServer DS20E Linux System		
GOLDEN EGGS Visuals, Helsinki		

# GOLDEN EGGS

World Services

Alpha Examples

<http://www.compaq.com/golden-eggs>

# GOLDEN EGGS

World Station

Software kits

<http://www.compaq.com/info/golden-eggs/software>

GOLDEN EGGS in eBusiness since 1988

**COMPAQ**

21-Jun-2000 GE-Internet

Matti.Patari@compaq.com

GOLDEN EGGS Internet Outlets  
GOLDEN EGGS Visuals, Helsinki

# COMPAQ

## GOLDEN EGGS

Visual  
Configurations

GOLDEN EGGS in eBusiness since 1988

<b>COMPAQ</b>	09-Mar-2000	Compaq-GE
	Matti.Patari@compaq.com	
GOLDEN EGGS		
GOLDEN EGGS Visuals, Helsinki		