

AlphaServer DS20E 68/833 Systems

Order number	Operating system	Server systems, 64bits 833MHz
#1 DA-56RAA- -DA 256MB -EA 512MB -FA 1GB	DIGITAL UNIX	(Disk) RX,CD (NI SVGA)
DY-56RAA-**	OpenVMS	(Disk) RX,CD (NI SVGA)
DJ-56RAA-**	Linux Ready	(Disk) RX,CD (NI SVGA)
#2 Tower system		#2 Cabinet system
3X-BA56P-PB Tower kit		3X-BA56R-RC Rack mount kit
3X-BA610-6D Disk drive cage,6		3X-BA610-6D Disk drive cage,6
3R-A0585-AA Disk drive, 18GB		3R-A0585-AA Disk drive, 18GB
3X-KZPCA-AA Ultra2 SCSI adapter		3X-KZPCA-AA Ultra2 SCSI adapter
3X-DE600-AA Ethernet adapter		3X-DE600-AA Ethernet adapter
BN25G-10 Cable twisted, 10m		BN25G-10 Cable twisted, 10m
SN-PBXGK-BB Elsa Gloria 8MB		SN-PBXGK-BB Elsa Gloria 8MB
BN19C-2E Power cord		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-A2832-AA
17" 3R-A2261-AA
Europe
BN39C-02 2m ext.cable

SN-LKQ47 -AE GB -AG G -AM S	BN19C-2E Europe
UNIX, Lin -AB B -AH NL -AN N	BN19A-2E GB
LK461 -AD DK -AI I -AP F	BN19E-2E CH
OVMS -AF FI -AK CH -AS E	BN19K-2E DK
	BN19Z-2E I

Internal options

Memory expansion	Additional CPUs	3rd Power
DIMM-kits		
MS340-CA 256MB	KN312-BB UNIX 833MHz	FR-H7910-AA For N+1
MS340-DA 512MB	KN312-BC OVMS 833MHz	
MS340-EA 1GB	KN312-BD Linux 833MHz	

Internal storage

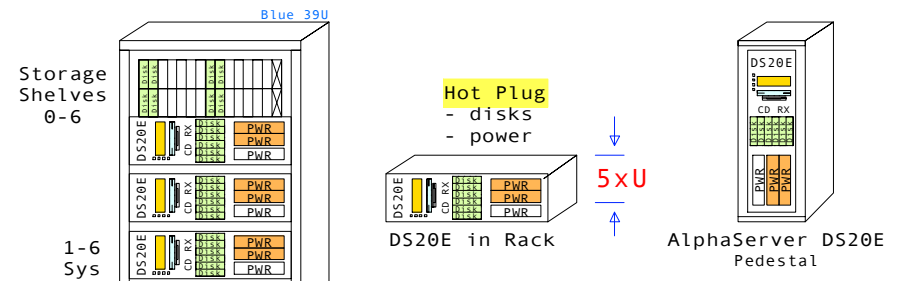
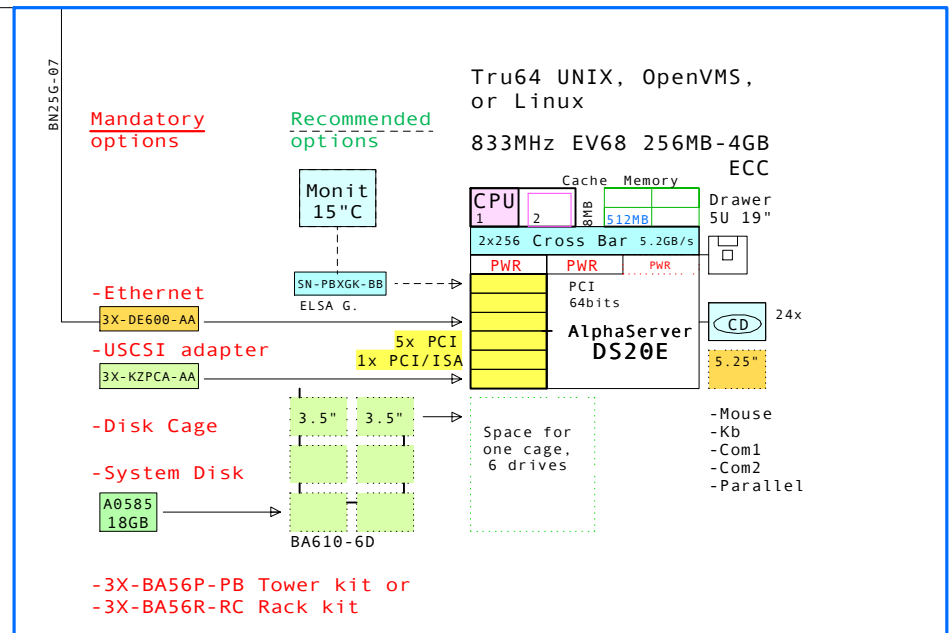
Tape storage	
TLZ10-LB	12/24GB DAT SCSI tape
3X-BC56C-2F	SCSI cable for tape
Disk storage	
3R-A0584-AA	9.2GB Ultra3 U-disk 10k
3R-A0585-AA	18.2GB Ultra3 U-disk 10k
3R-A0919-AA	36.4GB Ultra3 U-disk 10k
Controllers	
3X-KZPCA-AA	LVD SCSI adapter
KZPBA-CA	UltraSCSI SE adapter
BN38C-02	2m SCSI cable, 68HD-VHDCI.
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

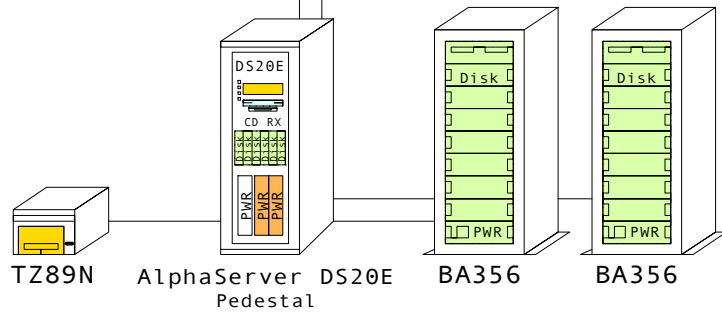


- Licenses included:**
- DIGITAL UNIX V4.0F, Base license, Unlimited User license, Server Extension license, and Internet Access Software license and Netscape's Enterprise Server 3.0.
 - OpenVMS V7.2-1, Base license and DIGITAL Enterprise Integration Package.

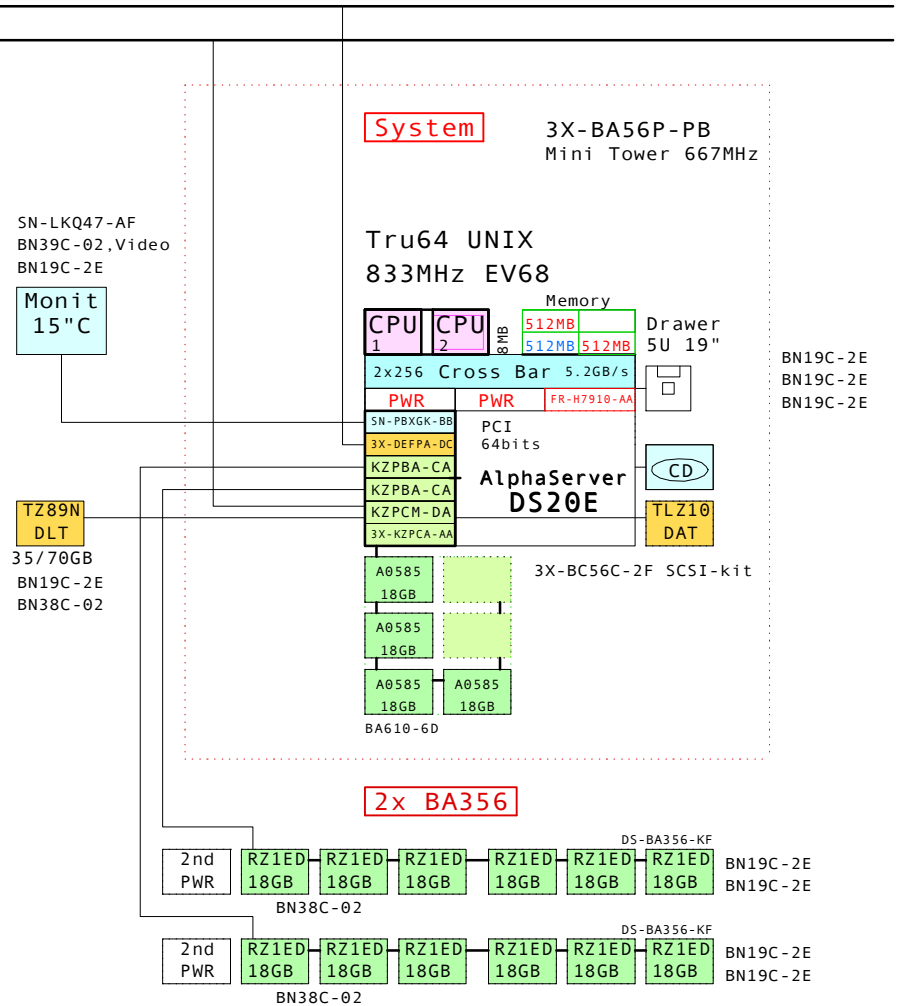
	@833MHz	@667MHz
SPECint2000	571	444
SPECfp2000	784	577
Software Processor Code:	E	
COMPAQ	02-Jul-2001	GEADS20E4
	Matti.Patari@compaq.com	
AlphaServer DS20E 833MHz Syst.		
GOLDEN EGGS Visuals, Helsinki		

FDDI

Ethernet



DS20E expanded Tru64 UNIX system



Bill of material

	Part Number	Qty	Description
1	3X-BA56P-PB	1	DS20E Mini tower pedestal kit,667MHz
1.1	DA-56RAA-EA	1	AS DS20E 6/833 512MB,Rack,5U,UNIX
1.1.1	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.1.2	3X-DEFPA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.1.3	3X-KZPCA-AA	1	Single channel LVD adapter
1.1.4	BA610-6D	1	ES40 Disk Drive Cage, 6-Bay
1.1.4.1	3R-A0585-AA	4	18.2GB Uscsi3 10k Universal disk 1"
1.1.5	FR-H7910-AA	1	Third power supply for DS20E
1.1.6	KN312-BB	1	AS DS20E 6/833 SMP UPG UNIX
1.1.7	KZPBA-CA	2	PCI to UltraSCSI Adapter UWSE
1.1.8	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.1.9	MS340-DA	2	DS20 512MB SDIMM MEM 4x128MB
1.1.10	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.1.11	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	3R-A2832-AA	1	COMPAQ Monitor S510 15" NH, EU
5	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
6	BN39C-02	1	1.8 Video Extension Cable ****
7	SN-LKQ47-AF	1	102 KEY KYBD, NON-WIN, Finnish
8	BN19C-2E	5	PowerCable 240V, C-Europe
9	BN38C-02	1	Ultra Cbl VHDCI - 68HD

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02-Jul-2001 GTAUDS20EF
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This template is included in the present GOLDEN EGGS Software kit.

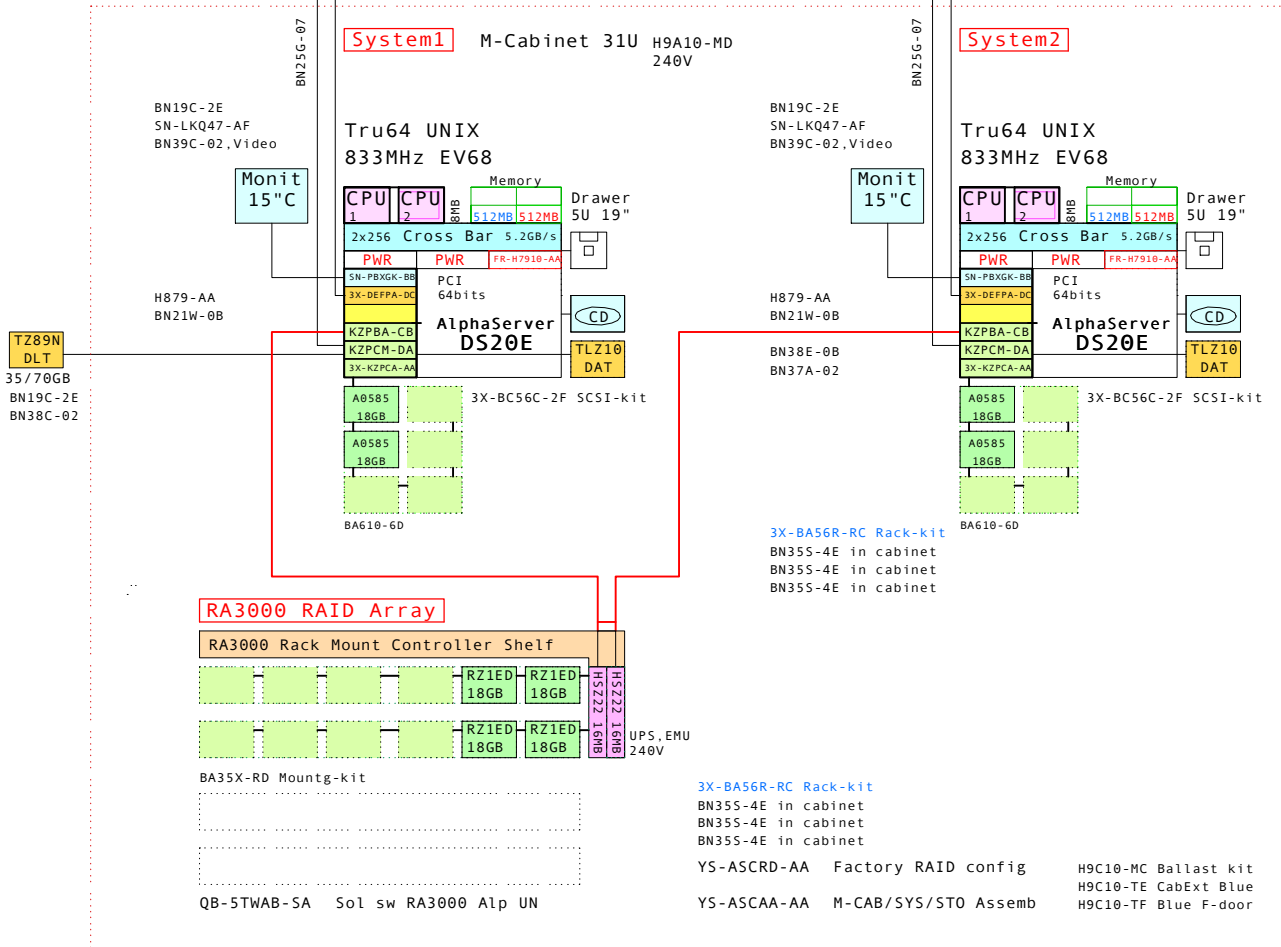
DS20E UNIX

AlphaServer DS20E UNIX System
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		3R-A2832-AA 2 COMPAQ Monitor 5510 15" NH, EU
1.2		3X-BA56R-RC 2 Rackm,kit, DS20E,667MHz for M-series
1.3		BA35X-RD 1 Mounting kit - metric
1.4		BN19C-2E 2 PowerCable 240V, C-Europe
1.5		BN21W-0B 2 Y SCSI-2 Cable 68 pins/6".15m
1.6		BN25G-07 2 17-03212-05 8MP-8MP PATCH CBL
1.7		BN355-4E 6 PowerCord C13 to C14, Non US
1.8		BN37A-02 1 Ultra Cbl VHDCI - VHDCI
1.9		BN38E-0B 1 Ultra Cbl VHDCI - 68HD
1.10		BN39C-02 2 1.8 Video Extension Cable ****
1.11		DA-56RAA-EA 1 AS DS20E 6/833 512MB,Rack,5U,UNIX
1.11.1		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.11.2		3X-DEFPA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.11.3		3X-KZPCA-AA 1 Single channel LVD adapter
1.11.4		BA610-6D 1 E540 Disk Drive Cage, 6-Bay
1.11.4.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk 1"
1.11.5		FR-H7910-AA 1 Third power supply for DS20E
1.11.6		KN312-BB 1 AS DS20E 6/833 SMP UPG UNIX
1.11.7		KZPBA-CB 1 PCI to UltraSCSI Adapter Uwdif
1.11.8		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.11.9		MS340-DA 1 DS20 512MB SDIMM MEM 4x128MB
1.11.10		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.11.11		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.12		DA-56RAA-EA 1 AS DS20E 6/833 512MB,Rack,5U,UNIX
1.12.1		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.12.2		3X-DEFPA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.12.3		3X-KZPCA-AA 1 Single channel LVD adapter
1.12.4		BA610-6D 1 E540 Disk Drive Cage, 6-Bay
1.12.4.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk 1"
1.12.5		FR-H7910-AA 1 Third power supply for DS20E
1.12.6		KN312-BB 1 AS DS20E 6/833 SMP UPG UNIX
1.12.7		KZPBA-CB 1 PCI to UltraSCSI Adapter Uwdif
1.12.8		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.12.9		MS340-DA 1 DS20 512MB SDIMM MEM 4x128MB
1.12.10		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.12.11		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.13		DS-SWXRA-GK 1 RA3000 Rackmoun one HSZ22 240V
1.13.1		DS-HS222-AA 1 HS222 controller 16MB
1.13.2		DS-SWXRA-GN 1 RA3000 Rackmount Expan 120/240
1.13.2.1		DS-RZ1ED-VW 2 18.2GB 10000r UltraSCSI disk
1.13.3		DS-SWXRA-GN 1 RA3000 Rackmount Expan 120/240
1.13.3.1		DS-RZ1ED-VW 2 18.2GB 10000r UltraSCSI disk
1.14		H879-AA 2 SCSI-3 Term - 68 pin Male
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		QB-STWAB-SA 1 Sol sw RA3000 Alp UNIX
1.19		SN-LKQ47-AF 2 102 KEY KYBD, NON-WIN, Finnish
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

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Since: Jun-2000

COMPAQ	02-Jul-2001	GTAUDS20EG
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AlphaServer DS20E UNIX Cluster
GOLDEN EGGS Visuals, Helsinki

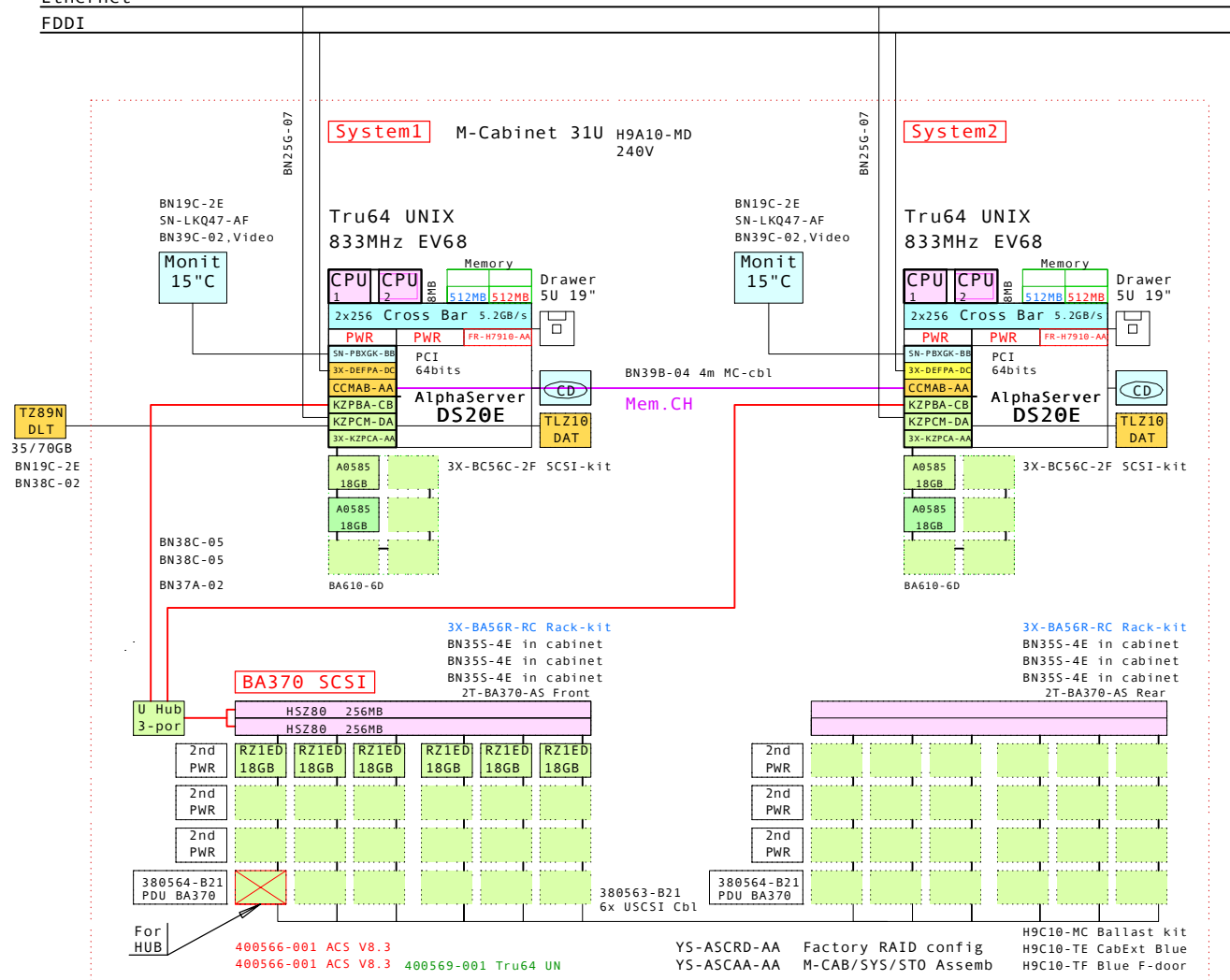
DS20E UNIX

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

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 Sply 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 Sply 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		3R-A2832-AA 2 COMPAQ Monitor S510 15" NH, EU
1.5		3X-BA56R-RC 2 Rackm.kit, DS20E,667MHz for M-series
1.6		400566-001 2 HS280 Controller Software ACS V8.3
1.7		400569-001 1 Ultra opt OS Software Tru64 UNIX
1.8		BN19C-2E 2 PowerCable 240V, C-Europe
1.9		BN25G-07 2 17-03212-05 8MP-8MP PATCH CBL
1.10		BN355-4E 6 PowerCord C13 to C14, Non US
1.11		BN37A-02 1 Ultra Cbl VHDCI - VHDCI
1.12		BN38C-05 2 Ultra Cbl VHDCI - 68HD
1.13		BN39B-04 1 04m copper cbl for CCMAB Mem.Chan
1.14		BN39C-02 2 1.8 Video Extension Cable ****
1.15		DA-56RAA-EA 1 AS DS20E 6/833 512MB Rack,5U,UNIX
1.15.1		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.15.2		3X-DEFPA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.15.3		3X-KZPCA-AA 1 Single channel LVD adapter
1.15.4		BA610-6D 1 E540 Disk Drive Cage, 6-Bay
1.15.4.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk 1"
1.15.5		CCMAB-AA 1 PCI Mem. Channel-2 Cluster cntrl
1.15.6		FR-H7910-AA 1 Third power supply for DS20E
1.15.7		KN312-BB 1 AS DS20E 6/833 SMP UPG UNIX
1.15.8		KZPBA-CB 1 PCI to UltraSCSI Adapter Uwdif
1.15.9		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.15.10		MS340-DA 1 DS20 512MB SDIMM MEM 4x128MB
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		DA-56RAA-EA 1 AS DS20E 6/833 512MB Rack,5U,UNIX
1.16.1		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.16.2		3X-DEFPA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.16.3		3X-KZPCA-AA 1 Single channel LVD adapter
1.16.4		BA610-6D 1 E540 Disk Drive Cage, 6-Bay
1.16.4.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk 1"
1.16.5		CCMAB-AA 1 PCI Mem. Channel-2 Cluster cntrl
1.16.6		FR-H7910-AA 1 Third power supply for DS20E
1.16.7		KN312-BB 1 AS DS20E 6/833 SMP UPG UNIX
1.16.8		KZPBA-CB 1 PCI to UltraSCSI Adapter Uwdif
1.16.9		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.16.10		MS340-DA 1 DS20 512MB SDIMM MEM 4x128MB
1.16.11		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.16.12		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.17		H9C10-MC 1 Ballast Kit for cabinets
1.18		H9C10-TE 1 Rear cab extender for H9A10 Blue
1.19		H9C10-TF 1 FrontDoorKit Blue for H9A10
1.20		SN-LKQ47-AF 2 102 KEY KYBD, NON-WIN, Finnish
1.21		YS-ASCAA-AA 1 M-CAB/SYS/STO Assembly
1.22		YS-ASCRD-AA 1 Factory configured RAID sets of BA370
2		DS-TZ89N-TA 1 35/70GB SE DLT-tape TT FVSE
3		BN19C-2E 1 PowerCable 240V, C-Europe
4		BN38C-02 1 Ultra Cbl VHDCI - 68HD

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AlphaServer DS20E UNIX Cluster
GOLDEN EGGS Visuals, Helsinki

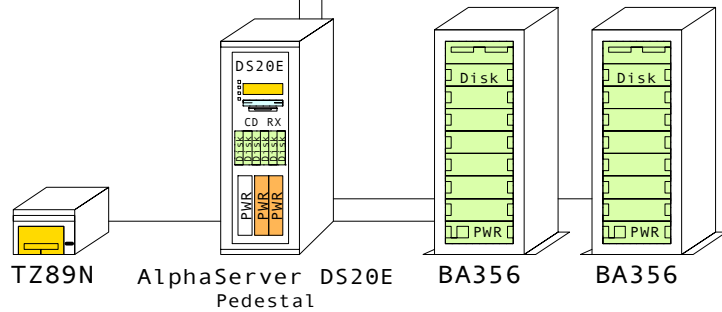
DS20E UNIX

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

DS20E expanded OpenVMS system

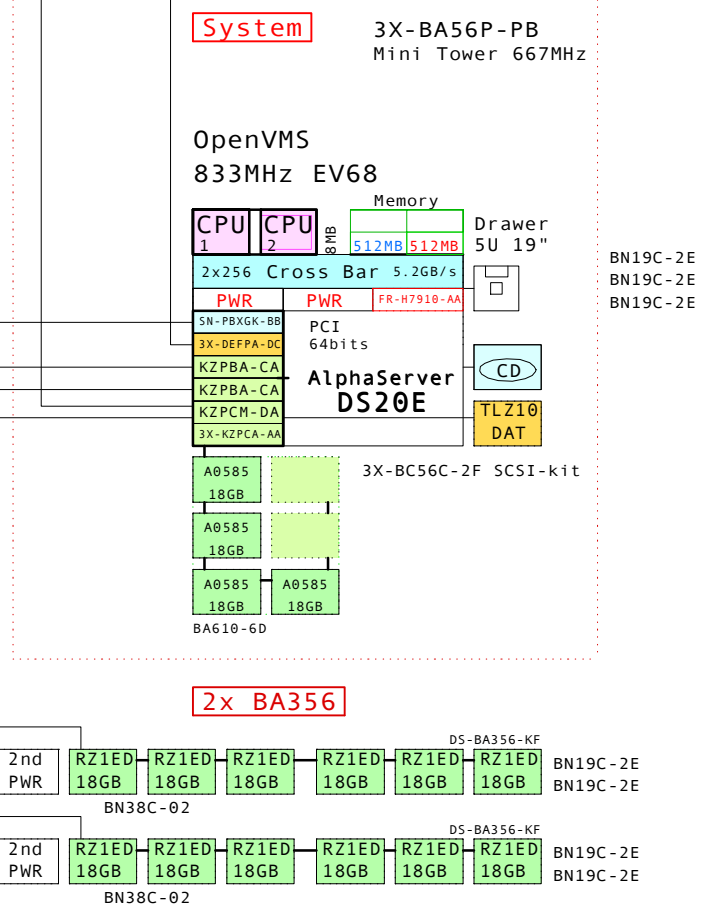
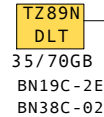
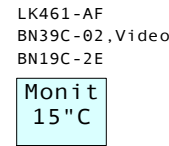
FDDI

Ethernet



Bill of material

	Part Number	Qty	Description
1	3X-BA56P-PB	1	DS20E Mini tower pedestal kit,667MHz
1.1	DY-56RAA-EA	1	AS DS20E 6/833 512MB,Rack,5U,0VMS
1.1.1	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.1.2	3X-DEFPA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.1.3	3X-KZPCA-AA	1	Single channel LVD adapter
1.1.4	BA610-6D	1	ES40 Disk Drive Cage, 6-Bay
1.1.4.1	3R-A0585-AA	4	18.2GB Uscsi3 10K Universal disk 1"
1.1.5	FR-H7910-AA	1	Third power supply for DS20E
1.1.6	KN312-BC	1	AS DS20E 6/833 SMP UPG OpenVMS
1.1.7	KZPBA-CA	2	PCI to UltraSCSI Adapter UWSE
1.1.8	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.1.9	MS340-DA	1	DS20 512MB SDIMM MEM 4x128MB
1.1.10	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.1.11	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	3R-A2832-AA	1	COMPAQ Monitor S510 15" NH, EU
5	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
6	BN39C-02	1	1.8 Video Extension Cable ****
7	BN19C-2E	5	PowerCable 240V, C-Europe
8	BN38C-02	1	Ultra Cbl VHDCI - 68HD
9	LK461-AF	1	VMS STYLE KEYBOARD, Fin/Swed



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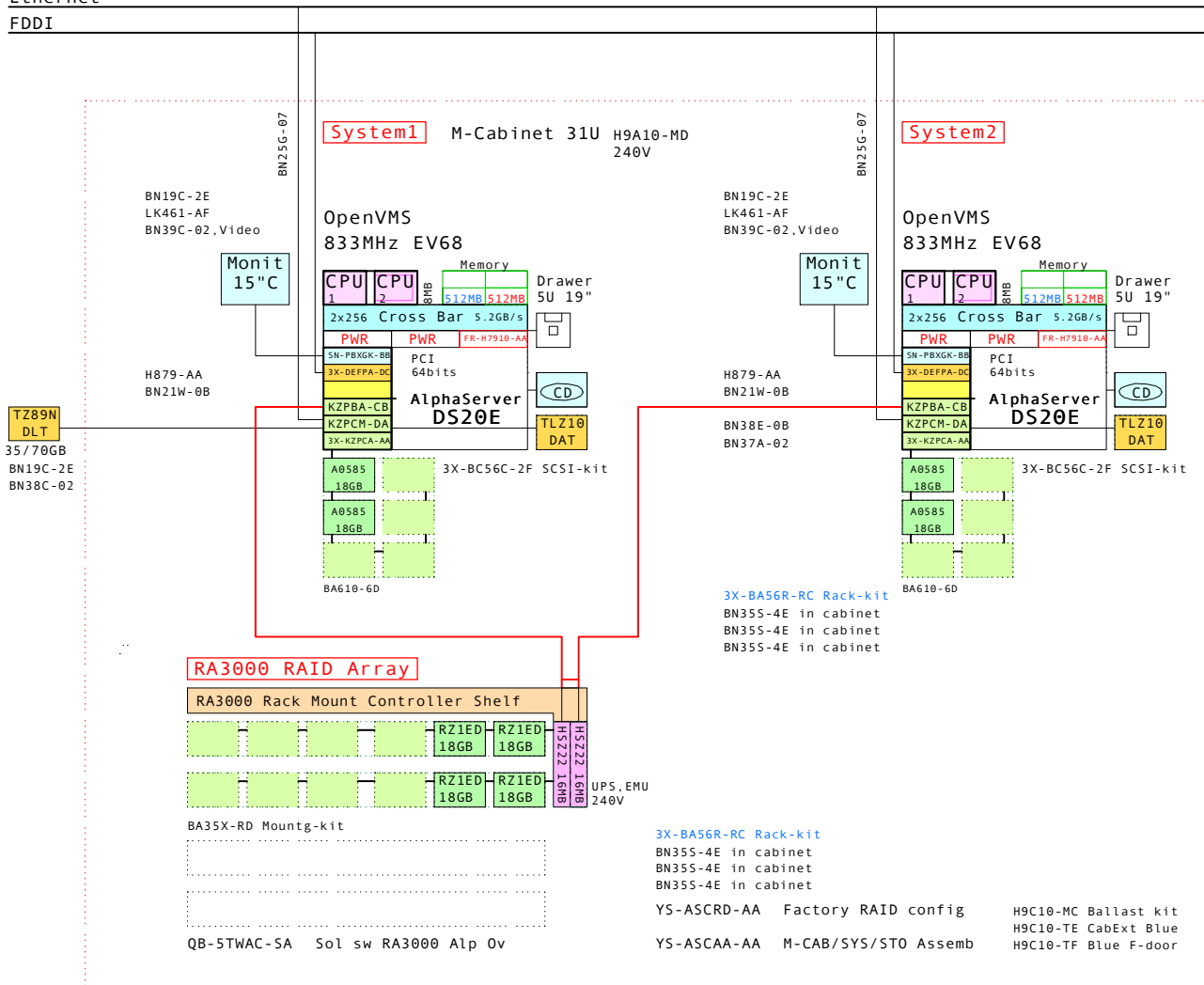
COMPAQ 02-Jul-2001 GTAVDS20EF
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AlphaServer DS20E OpenVMS Syst
GOLDEN EGGS Visuals, Helsinki

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		3R-A2832-AA 2 COMPAQ Monitor S510 15" NH, EU
1.2		3X-BA56R-RC 2 Rackm, kit, DS20E, 667MHz for M-series
1.3		BA35X-RD 1 Mounting kit, metric
1.4		BN19C-2E 2 PowerCable 240V, C-Europe
1.5		BN21W-0B 2 Y SCSI-2 Cable 68 pins/6" .15m
1.6		BN25G-07 2 17-03212-05 8MP-8MP PATCH CBL
1.7		BN355-4E 6 PowerCord C13 to C14, Non US
1.8		BN37A-02 1 Ultra Cbl VHDCI - VHDCI
1.9		BN38E-0B 1 Ultra Cbl VHDCI - 68HD
1.10		BN39C-02 2 1.8 Video Extension Cable ****
1.11		D5-SWXRA-GK 1 RA3000 Rackmoun one HSZ22 240V
1.11.1		D5-HS222-AA 1 HSZ22 controller 16MB
1.11.2		D5-SWXRA-GN 1 RA3000 Rackmount Expan 120/240
1.11.2.1		D5-RZ1ED-VN 2 18.2GB 10000r UltraSCSI disk
1.11.3		D5-SWXRA-GN 1 RA3000 Rackmount Expan 120/240
1.11.3.1		D5-RZ1ED-VN 2 18.2GB 10000r UltraSCSI disk
1.12		DY-56RAA-EA 1 AS DS20E 6/833 512MB, Rack, 5U, OVMS
1.12.1		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.12.2		3X-DEFPA-DC 1 PCI to FDDI DAS MMF with SC, Universal
1.12.3		3X-KZPCA-AA 1 Single channel LVD adapter
1.12.4		BA610-6D 1 E540 Disk Drive Cage, 6-Bay
1.12.4.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk 1"
1.12.5		FR-H7910-AA 1 Third power supply for DS20E
1.12.6		KN312-BC 1 AS DS20E 6/833 SMP UPG OpenVMS
1.12.7		KZPBA-CB 1 PCI to UltraSCSI Adapter Umdif
1.12.8		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.12.9		MS340-DA 1 DS20 512MB SDIMM MEM 4x128MB
1.12.10		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.12.11		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.13		DY-56RAA-EA 1 AS DS20E 6/833 512MB, Rack, 5U, OVMS
1.13.1		3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.13.2		3X-DEFPA-DC 1 PCI to FDDI DAS MMF with SC, Universal
1.13.3		3X-KZPCA-AA 1 Single channel LVD adapter
1.13.4		BA610-6D 1 E540 Disk Drive Cage, 6-Bay
1.13.4.1		3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk 1"
1.13.5		FR-H7910-AA 1 Third power supply for DS20E
1.13.6		KN312-BC 1 AS DS20E 6/833 SMP UPG OpenVMS
1.13.7		KZPBA-CB 1 PCI to UltraSCSI Adapter Umdif
1.13.8		KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.13.9		MS340-DA 1 DS20 512MB SDIMM MEM 4x128MB
1.13.10		SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.13.11		TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.14		H879-AA 2 SCSI-3 Term - 68 pin Male
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		QB-5TWAC-SA 1 Sol sw RA3000 Alp Ovms
1.20		YS-ASCAA-AA 1 M-CAB/SYS/STO Assembly
1.21		YS-ASCRD-AA 1 Factory configured RAID sets of BA370
2		DY-TZ89N-TA 1 35/70GB SE DLT-tape TT FW5E
3		BN19C-2E 1 PowerCable 240V, C-Europe
4		BN38C-02 1 Ultra Cbl VHDCI - 68HD

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Since: Jun-2000

COMPAQ	02-Jul-2001	GTAVDS20EG
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AlphaServer DS20E OVMS Cluster
GOLDEN EGGS Visuals, Helsinki

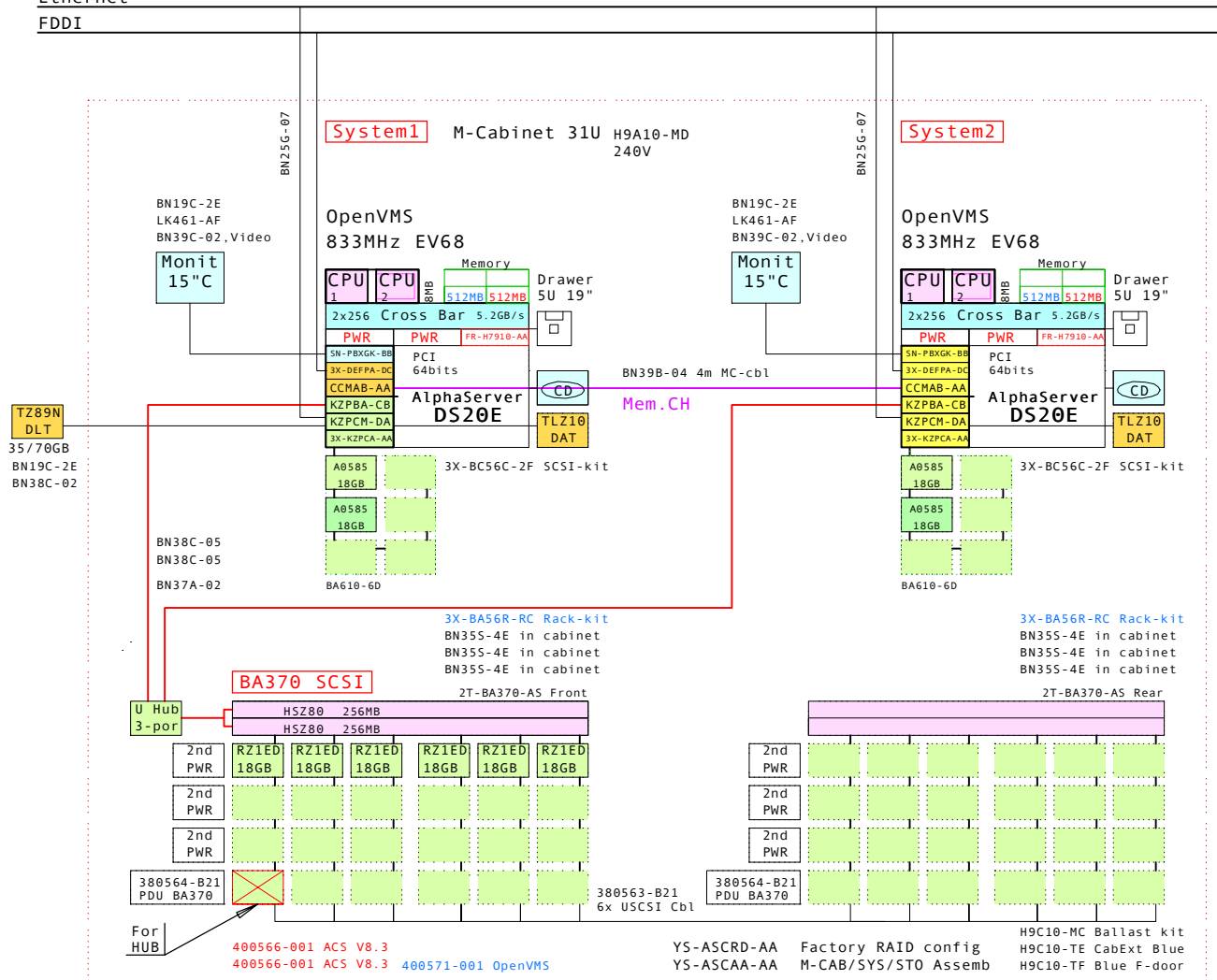
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DS20E OVMS

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 Suply 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 Suply 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-VM	6 18.2GB 10000r UltraSCSI disk
1.3	380563-B21	1 Set of six USCSI cables
1.4	3R-A2832-AA	2 COMPAQ Monitor 5510 15" NH EU
1.5	3X-BA56R-RC	2 RackM.kit. DS20E.667MHz for M-series
1.6	400566-001	2 HSZ80 Controller Software ACS V8.3
1.7	400571-001	1 Ultra opt OS Software OpenVMS
1.8	BN19C-2E	2 PowerCable 240V. C-Europe
1.9	BN25G-07	2 17-03212-05 8MP-8MP PATCH CBL
1.10	BN355-4E	6 PowerCord C13 to C14. Non US
1.11	BN37A-02	1 Ultra Cbl VHDCI - VHDCI
1.12	BN38C-05	2 Ultra Cbl VHDCI - 68HD
1.13	BN39B-04	1 04m copper cbl for CCMAB Mem.Chan
1.14	BN39C-02	2 1.8 Video Extension Cable ****
1.15	DY-56RAA-EA	1 AS DS20E 6/833 512MB.Rack.5U.OVMS
1.15.1	3X-BC56C-2F	1 DS20E SCSI Cable Kit
1.15.2	3X-DEPFA-DC	1 PCI to FDDI DAS MMF with SC.Universal
1.15.3	3X-KZPCA-AA	1 Single channel LVD adapter
1.15.4	BA610-6D	1 ES40 Disk Drive Cage. 6-Bay
1.15.4.1	3R-A0585-AA	2 18.2GB Uscsi3 10k Universal disk 1"
1.15.5	CCMAB-AA	1 PCI Mem. Channel-2 Cluster cntrl
1.15.6	FR-H7910-AA	1 Third power supply for DS20E
1.15.7	KN312-BC	1 AS DS20E 6/833 SMP UPG OpenVMS
1.15.8	KZPBA-CB	1 PCI to UltraSCSI Adapter Uwdif
1.15.9	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.15.10	MS340-DA	1 DS20 512MB SDIMM MEM 4x128MB
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	DY-56RAA-EA	1 AS DS20E 6/833 512MB.Rack.5U.OVMS
1.16.1	3X-BC56C-2F	1 DS20E SCSI Cable Kit
1.16.2	3X-DEPFA-DC	1 PCI to FDDI DAS MMF with SC.Universal
1.16.3	3X-KZPCA-AA	1 Single channel LVD adapter
1.16.4	BA610-6D	1 ES40 Disk Drive Cage. 6-Bay
1.16.4.1	3R-A0585-AA	2 18.2GB Uscsi3 10k Universal disk 1"
1.16.5	CCMAB-AA	1 PCI Mem. Channel-2 Cluster cntrl
1.16.6	FR-H7910-AA	1 Third power supply for DS20E
1.16.7	KN312-BC	1 AS DS20E 6/833 SMP UPG OpenVMS
1.16.8	KZPBA-CB	1 PCI to UltraSCSI Adapter Uwdif
1.16.9	KZPCM-DA	1 Dual Uscsi with FastEther PCI
1.16.10	MS340-DA	1 DS20 512MB SDIMM MEM 4x128MB
1.16.11	SN-PBXGK-BB	1 Elsa Gloria Synergy 8M Video Graphics
1.16.12	TLZ10-LB	1 12/24GB 4mm DAT 5.25" HH
1.17	H9C10-MC	1 Ballast Kit for cabinets
1.18	H9C10-TE	1 Rear cab extender for H9A10 Blue
1.19	H9C10-TF	1 FrontDoorKit Blue for H9A10
1.20	LK461-AF	2 VMS STYLE KEYBOARD. Fin/Swed
1.21	YS-ASCAA-AA	1 M-CAB/SYS/STO Assembly
1.22	YS-ASCRD-AA	1 Factory configured RAID sets of BA370
2	DS-TZ89N-TA	1 35/70GB SE DLT-tape TT FWISE
3	BN19C-2E	1 PowerCable 240V. C-Europe
4	BN38C-02	1 Ultra Cbl VHDCI - 68HD

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Since: Apr-2000

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AlphaServer DS20E OVMS Cluster
GOLDEN EGGS Visuals, Helsinki

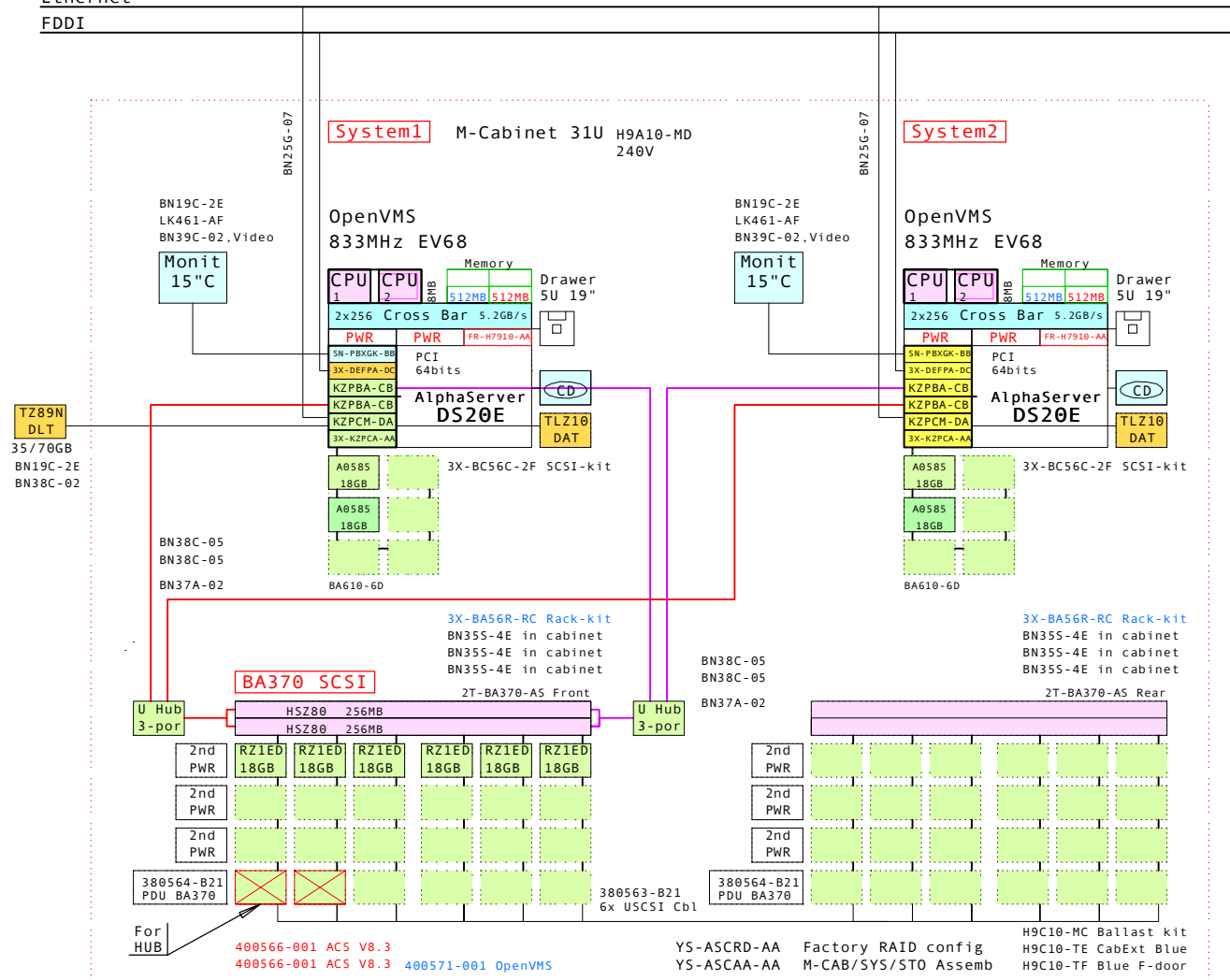
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DS20E OVMS

DS20E OpenVMS Cluster with in-cabinet RAID storage, No single point.

Ethernet

FDI



BOM for this cabinet system

Part Number	Qty	Description
1	1	H9A10-MD 1 M-Series Cab. H9A10. Blue. 240V. 31U
1.1	1	2T-BA370-AR 1 BA370 shelf, slides Rear RackMount
1.1.1	1	380564-B21 1 Power Distribution Unit RA8K/7k
1.1.2	3	380565-B21 3 Power Suply 180W Hot Plug SBB
1.1.3	1	BN37A-02 1 Ultra Cbl VHDCI - VHDCI
1.2	1	2T-BA370-AS 1 BA370 shelf, slides Front RackMount
1.2.1	1	380564-B21 1 Power Distribution Unit RA8K/7k
1.2.2	3	380565-B21 3 Power Suply 180W Hot Plug SBB
1.2.3	2	400565-B21 2 Ultra Opt.1 cont w 2x128MB cache HSZ80
1.2.4	1	DS-DWZZH-03 1 Uscsi Act hub 0 SE:3/Dif 3.5" SBB
1.2.5	6	DS-RZ1ED-VW 6 18.2GB 10000r Ultra5C5I disk
1.3	1	380563-B21 1 Set of six Uscsi cables
1.4	2	3R-A2832-AA 2 COMPAQ Monitor 5510 15" NH. EU
1.5	1	3X-BA56R-RC 1 RackM.kit. DS20E.667MHz for M-series
1.6	2	400566-001 2 HSZ80 Controller Software ACS V8.3
1.7	1	400571-001 1 Ultra opt OS Software OpenVMS
1.8	2	BN19C-2E 2 PowerCable 240V. C-Europe
1.9	2	BN25G-07 2 17-03212-05 8MP-8MP PATCH CBL
1.10	6	BN355-4E 6 PowerCord C13 to C14. Non US
1.11	1	BN37A-02 1 Ultra Cbl VHDCI - VHDCI
1.12	4	BN38C-05 4 Ultra Cbl VHDCI - 68HD
1.13	2	BN39C-02 2 1.8 Video Extension Cable ****
1.14	1	DS-DWZZH-03 1 Uscsi Act hub 0 SE:3/Dif 3.5" SBB
1.15	1	DY-56RAA-EA 1 AS DS20E 6/833 512MB,Rack,5U.OVMS
1.15.1	1	3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.15.2	1	3X-DEFPA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.15.3	1	3X-KZPCA-AA 1 Single channel LVD adapter
1.15.4	1	BA610-6D 1 ES40 Disk Drive Cage, 6-Bay
1.15.4.1	2	3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk 1"
1.15.5	1	FR-H7910-AA 1 Third power supply for DS20E
1.15.6	1	KN312-BC 1 AS DS20E 6/833 SMP UPG OpenVMS
1.15.7	2	KZPBA-CB 2 PCI to UltraSCSI Adapter Uwdif
1.15.8	1	KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.15.9	1	MS340-DA 1 DS20 512MB SDIMM MEM 4x128MB
1.15.10	1	SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.15.11	1	TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
1.16	1	DY-56RAA-EA 1 AS DS20E 6/833 512MB,Rack,5U.OVMS
1.16.1	1	3X-BC56C-2F 1 DS20E SCSI Cable Kit
1.16.2	1	3X-DEFPA-DC 1 PCI to FDDI DAS MMF with SC,Universal
1.16.3	1	3X-KZPCA-AA 1 Single channel LVD adapter
1.16.4	1	BA610-6D 1 ES40 Disk Drive Cage, 6-Bay
1.16.4.1	2	3R-A0585-AA 2 18.2GB Uscsi3 10k Universal disk 1"
1.16.5	1	FR-H7910-AA 1 Third power supply for DS20E
1.16.6	1	KN312-BC 1 AS DS20E 6/833 SMP UPG OpenVMS
1.16.7	2	KZPBA-CB 2 PCI to UltraSCSI Adapter Uwdif
1.16.8	1	KZPCM-DA 1 Dual Uscsi with FastEther PCI
1.16.9	1	MS340-DA 1 DS20 512MB SDIMM MEM 4x128MB
1.16.10	1	SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
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1.17	1	H9C10-MC 1 Ballast Kit for cabinets
1.18	1	H9C10-TE 1 Rear cab extender for H9A10 Blue
1.19	1	H9C10-TF 1 FrontDoorKit Blue for H9A10
1.20	2	LK461-AF 2 VMS STYLE KEYBOARD, Fin/Swed
1.21	1	YS-ASCAA-AA 1 M-CAB/SYS/STO Assembly
1.22	1	YS-ASCRD-AA 1 Factory configured RAID sets of BA370
2	1	DS-TZ89N-TA 1 35/70GB SE DLT-tape TT FWSE
3	1	BN19C-2E 1 PowerCable 240V. C-Europe
4	1	BN38C-02 1 Ultra Cbl VHDCI - 68HD

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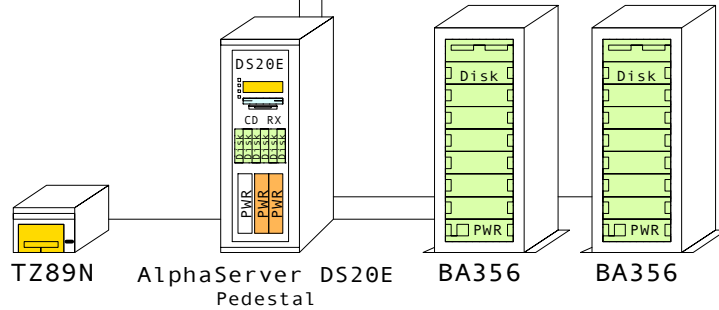
COMPAQ 02-Jul-2001 GTAVDS20EJ
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AlphaServer DS20E OVMS Cluster
GOLDEN EGGS Visuals, Helsinki

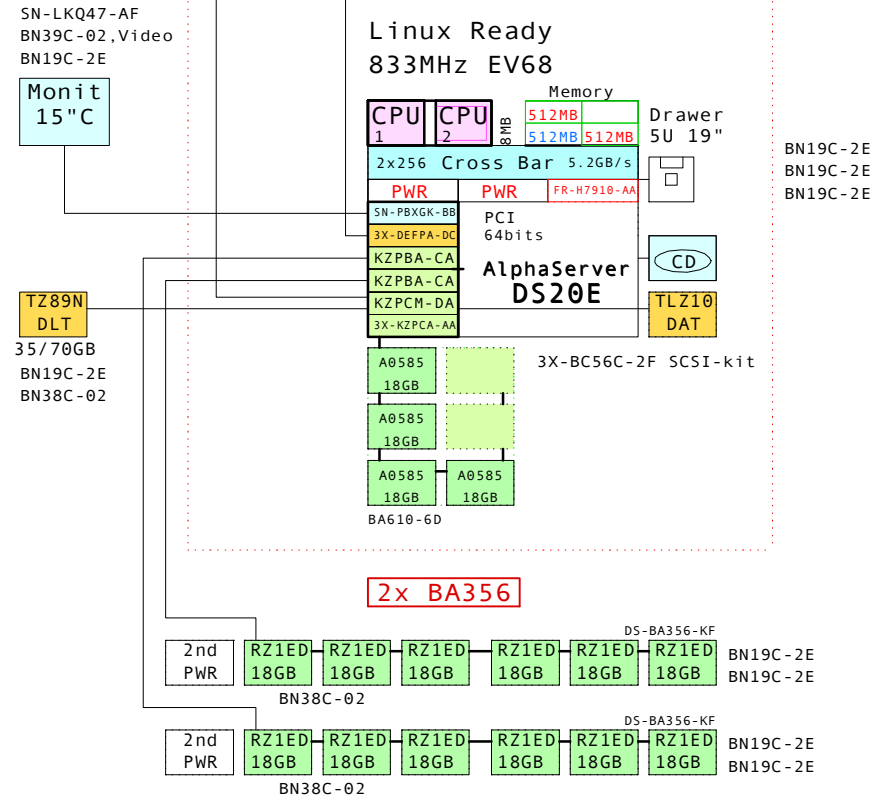
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DS20E OVMS

FDDI
Ethernet



DS20E expanded Linux system



Bill of material

	Part Number	Qty	Description
1	3X-BA56P-PB	1	DS20E Mini tower pedestal kit,667MHz
1.1	DJ-56RAA-EA	1	AS DS20E 6/833 512MB,Rack,5U,Linux
1.1.1	3X-BC56C-2F	1	DS20E SCSI Cable Kit
1.1.2	3X-DEFPA-DC	1	PCI to FDDI DAS MMF with SC,Universal
1.1.3	3X-KZPCA-AA	1	Single channel LVD adapter
1.1.4	BA610-6D	1	ES40 Disk Drive Cage, 6-Bay
1.1.4.1	3R-A0585-AA	4	18.2GB Uscsi3 10K Universal disk 1"
1.1.5	FR-H7910-AA	1	Third power supply for DS20E
1.1.6	KN312-BD	1	AS DS20E 6/833 SMP UPG for Linux
1.1.7	KZPBA-CA	2	PCI to UltraSCSI Adapter UWSE
1.1.8	KZPCM-DA	1	Dual Uscsi with FastEther PCI
1.1.9	MS340-DA	2	DS20 512MB SDIMM MEM 4x128MB
1.1.10	SN-PBXGK-BB	1	Elsa Gloria Synergy 8M Video Graphics
1.1.11	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	3R-A2832-AA	1	COMPAQ Monitor S510 15" NH, EU
5	DS-TZ89N-TA	1	35/70GB SE DLT-tape TT FWSE
6	BN39C-02	1	1.8 Video Extension Cable ****
7	SN-LKQ47-AF	1	102 KEY KYBD, NON-WIN, Finnish
8	BN19C-2E	5	PowerCable 240V, C-Europe
9	BN38C-02	1	Ultra Cbl VHDCI - 68HD

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DS20E Linux

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Since: Jun-2000

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AlphaServer DS20E Linux System
GOLDEN EGGS Visuals, Helsinki

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