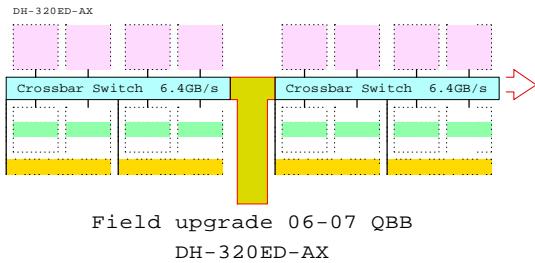


AlphaServer GS320 M24 and M32, 67/731 Systems

Upgrade: M24 -> M32

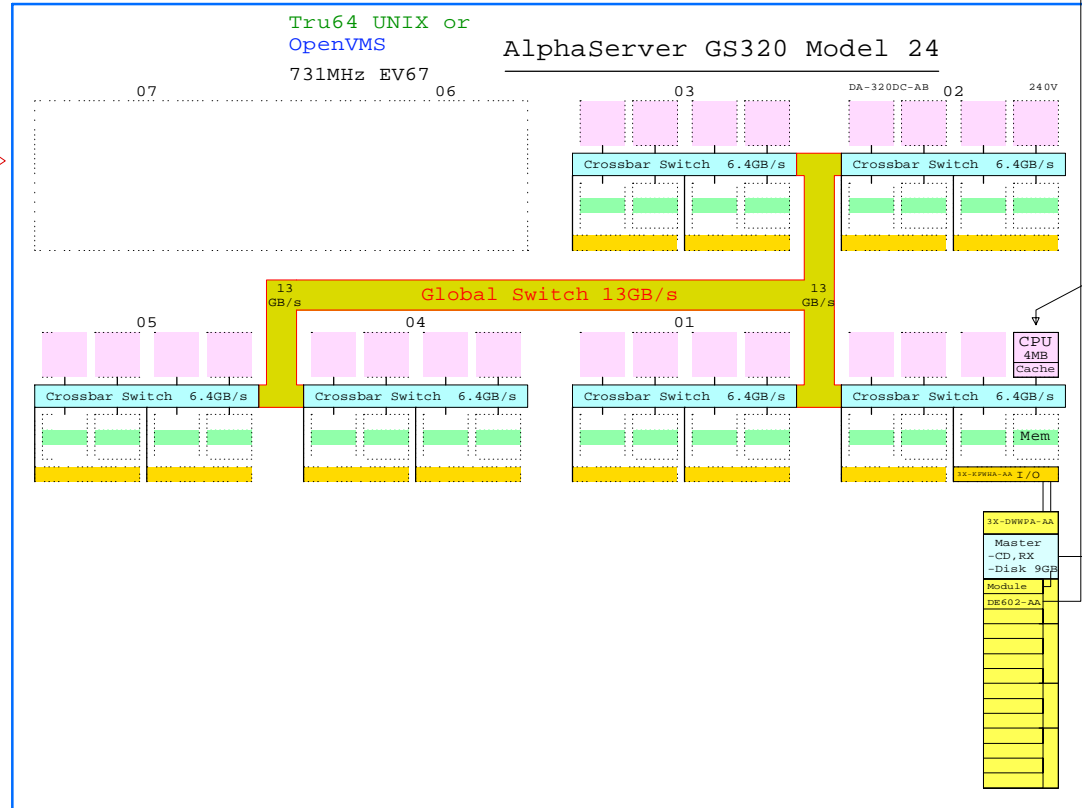


AlphaServer GS320 Model 24

DA-320DC-AA/AB Model 24 Tru64 UNIX
DY-320DC-AA/AB Model 24 OpenVMS
208/416V

AlphaServer GS320 Model 32

DA-320EC-AA/AB Model 32 Tru64 UNIX
DY-320EC-AA/AB Model 32 OpenVMS
208/416V



One CPU included

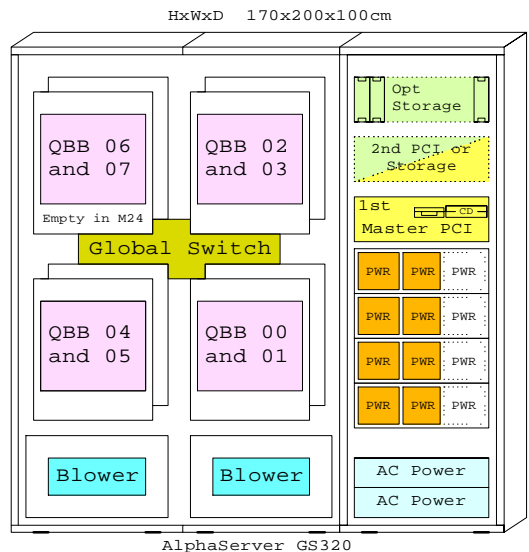
3X-KN8AA-AD
CPU UNIX
3X-KN8AA-AE
CPU 4MB Cache
OpenVMS

Memory Upgrade
1GB Mem

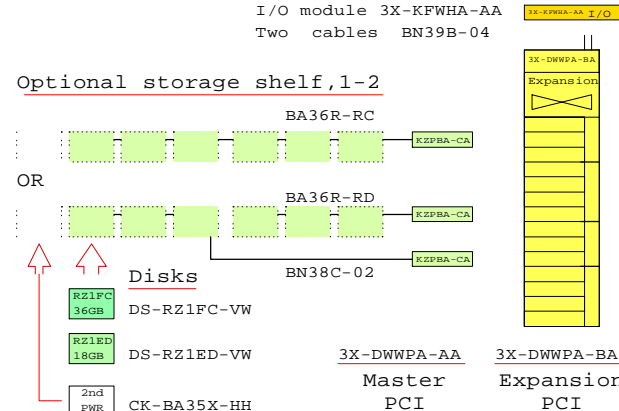
3X-MS8AA-BB 3X-MS8AA-BU
1GB Module 1GB DIMM
3X-MS8AA-CB 3X-MS8AA-CU
2GB Module 2GB DIMM
3X-MS8AA-DB 3X-MS8AA-DU
4GB Module 4GB DIMM

Monit 17°C 3R-VRQP7-24
Console PC 3X-DS8BA-AA/AB
Console HUB 3X-DS8AA-AA
Hub for 2nd partition

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



One Storage
Storage / PCI
Standard PCI
H7506-AA 1-4
Optional power



Licenses included:

- Tru64 UNIX V4.0G, Base license, Unlimited User license, Server Extension license, and Internet Solutions Software license and Netscape's Enterprise Server 3.0.
- OpenVMS V7.2-1H1 Base license and Enterprise Integration Package V3.0.

@731MHz
SPECint95 -
SPECfp95 -
SPECweb96 -
TPC -

Software Processor Code: Q

COMPAQ 23-Feb-2001 GEAGS3201
Matti.Patari@compaq.com

AlphaServer GS320 M32 System
GOLDEN EGGS Visuals, Helsinki

BOM of this Storage

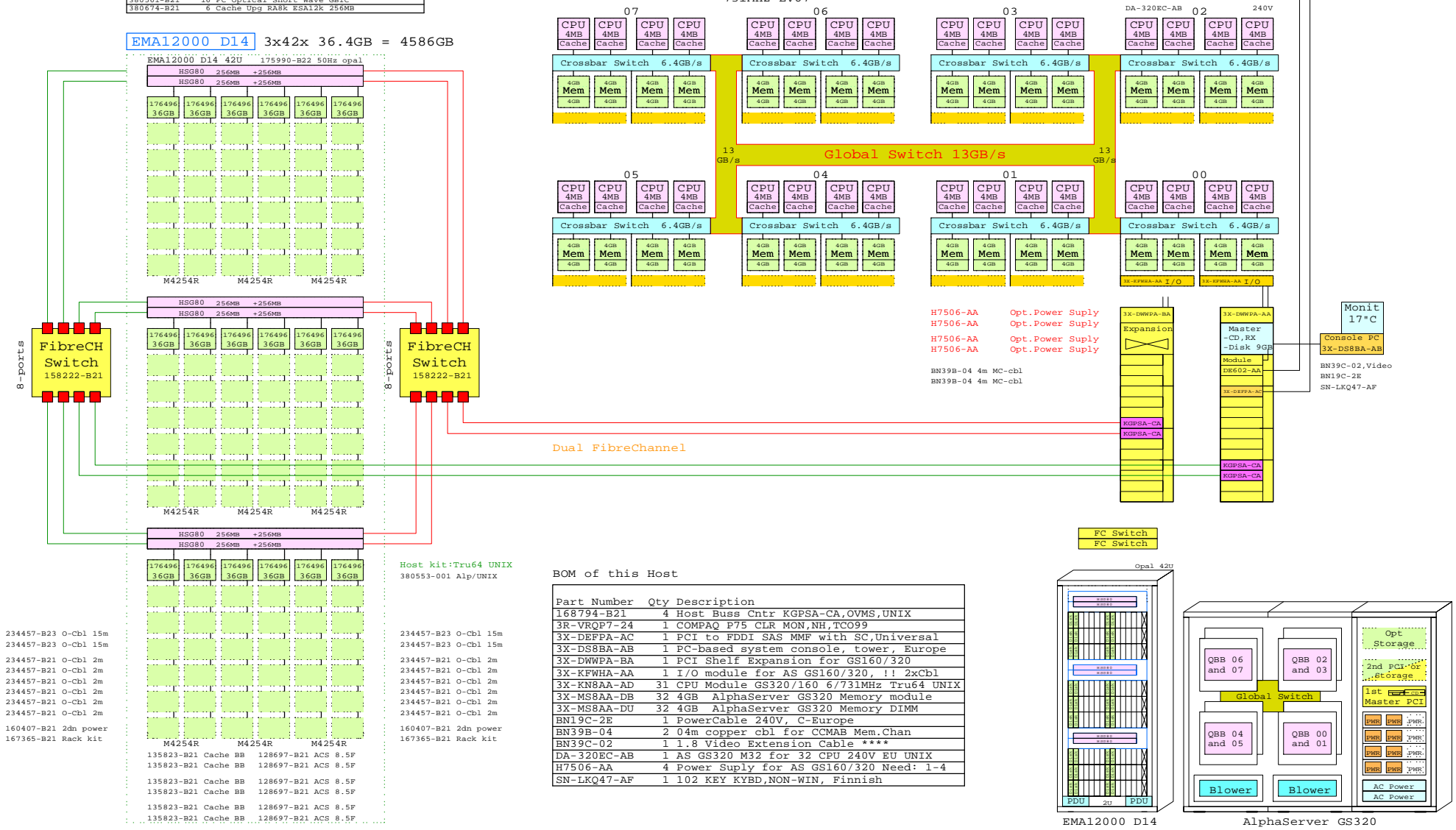
| Part Number | Qty | Description |
|-------------|-----|--------------------------------------|
| 128697-B21 | 6 | ACS V8.5F controller FCAL/FCSW |
| 135823-B21 | 6 | HSG8x Single external cache Battery |
| 158222-B21 | 2 | SAN Switch 8 Ports |
| 160407-B21 | 2 | SAN switch redundant power supply |
| 167365-B21 | 2 | Rack mount kit for SAN switch |
| 175990-B22 | 1 | EMA12000 D14 42U 50Hz opal |
| 176496-B22 | 18 | 36GB 10000r Ultra3 SCSI disk 1" |
| 176622-B21 | 6 | HSG80 FC Contr with 256MB cache |
| 234457-B21 | 12 | Fibre Channel 02m Optical Cable |
| 234457-B23 | 4 | Fibre Channel 15m Optical Cable |
| 380553-001 | 1 | OS Platf.Softw.Kit for FC Alpha UNIX |
| 380561-B21 | 16 | FC Optical Short Wave GBIC |
| 380674-B21 | 6 | Cache Upg RABK ESA12K 256MB |

Ethernet
FDDI

AlphaServer GS320 Tru64 UNIX System, 32xCPU, 256GB

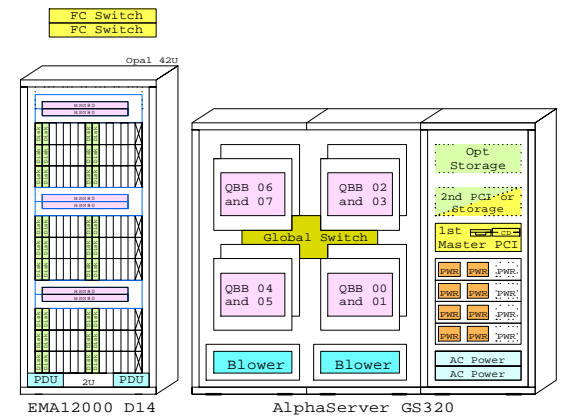
Tru64 UNIX AlphaServer GS320 Model 32
731MHz EV67

EMA12000 D14 3x42x 36.4GB = 4586GB



BOM of this Host

| Part Number | Qty | Description |
|-------------|-----|--|
| 168794-B21 | 4 | Host Buss Cntr KGPSA-CA, OVMS, UNIX |
| 3R-VRQP7-24 | 1 | COMPAQ P75 CLR MON, NH, FC099 |
| 3X-DEPPA-AC | 1 | PCI to FDDI SAS MMF with SC, Universal |
| 3X-DS8BA-AB | 1 | PC-based system console, tower, Europe |
| 3X-DWWPA-BA | 1 | PCI Shelf Expansion for GS160/320 |
| 3X-KFWHA-AA | 1 | I/O module for AS GS160/320, !: 2xCbl |
| 3X-KN8AA-AD | 31 | CPU Module GS320/160 6/731MHz Tru64 UNIX |
| 3X-MS8AA-DB | 32 | 4GB AlphaServer GS320 Memory module |
| 3X-MS8AA-DU | 32 | 4GB AlphaServer GS320 Memory DIMM |
| BN19C-2E | 1 | PowerCable 240V, C-Europe |
| BN39B-04 | 2 | 04m copper cbl for CCMAB Mem.Chan |
| BN39C-02 | 1 | 1.8 Video Extension Cable **** |
| DA-320EC-AB | 1 | AS GS320 M32 for 32 CPU 240V EU UNIX |
| H7506-AA | 4 | Power Supply for AS GS160/320 Need: 1-4 |
| SN-LKQ47-AF | 1 | 1 02 KEY KYBD, NON-WIN, Finnish |



| | | | | | |
|------------|--------|--------|------------|--------|--------|
| 234457-B23 | O-Cbl | 15m | 234457-B23 | O-Cbl | 15m |
| 234457-B23 | O-Cbl | 15m | 234457-B23 | O-Cbl | 15m |
| 234457-B21 | O-Cbl | 2m | 234457-B21 | O-Cbl | 2m |
| 234457-B21 | O-Cbl | 2m | 234457-B21 | O-Cbl | 2m |
| 234457-B21 | O-Cbl | 2m | 234457-B21 | O-Cbl | 2m |
| 234457-B21 | O-Cbl | 2m | 234457-B21 | O-Cbl | 2m |
| 234457-B21 | O-Cbl | 2m | 234457-B21 | O-Cbl | 2m |
| 234457-B21 | O-Cbl | 2m | 234457-B21 | O-Cbl | 2m |
| 160407-B21 | 2dn | power | 160407-B21 | 2dn | power |
| 167365-B21 | Rack | kit | 167365-B21 | Rack | kit |
| M4254R | M4254R | M4254R | M4254R | M4254R | M4254R |
| 135823-B21 | Cache | BB | 128697-B21 | ACS | 8.5F |
| 135823-B21 | Cache | BB | 128697-B21 | ACS | 8.5F |
| 135823-B21 | Cache | BB | 128697-B21 | ACS | 8.5F |
| 135823-B21 | Cache | BB | 128697-B21 | ACS | 8.5F |
| 135823-B21 | Cache | BB | 128697-B21 | ACS | 8.5F |
| 135823-B21 | Cache | BB | 128697-B21 | ACS | 8.5F |

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COMPAQ 23-Feb-2001 GTAUGS3203
Matti.Patari@compaq.com

AlphaServer GS320 UNIX System
GOLDEN EGGS Visuals, Helsinki

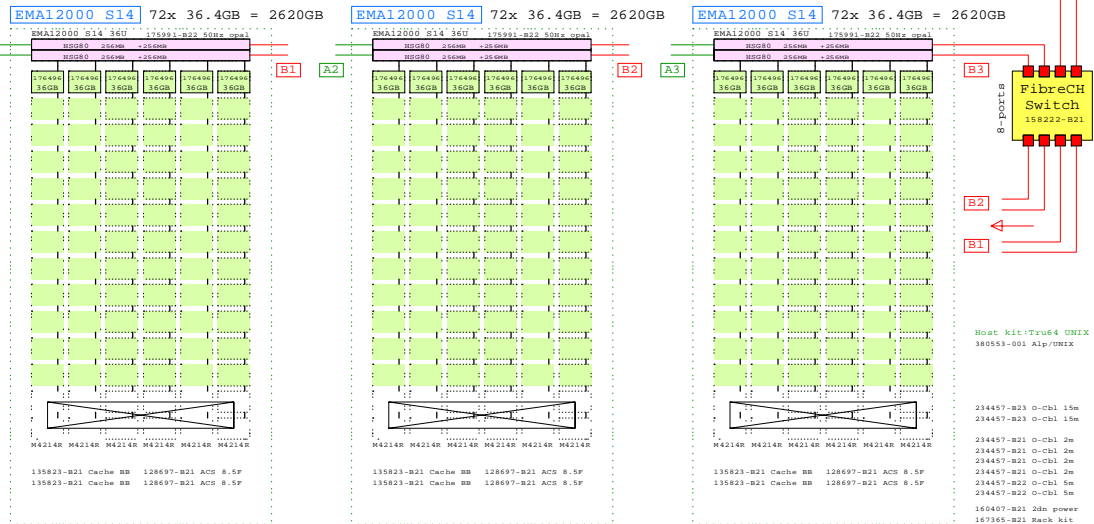
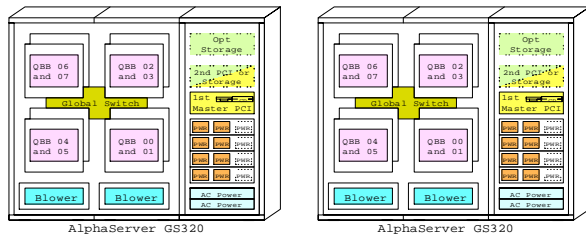
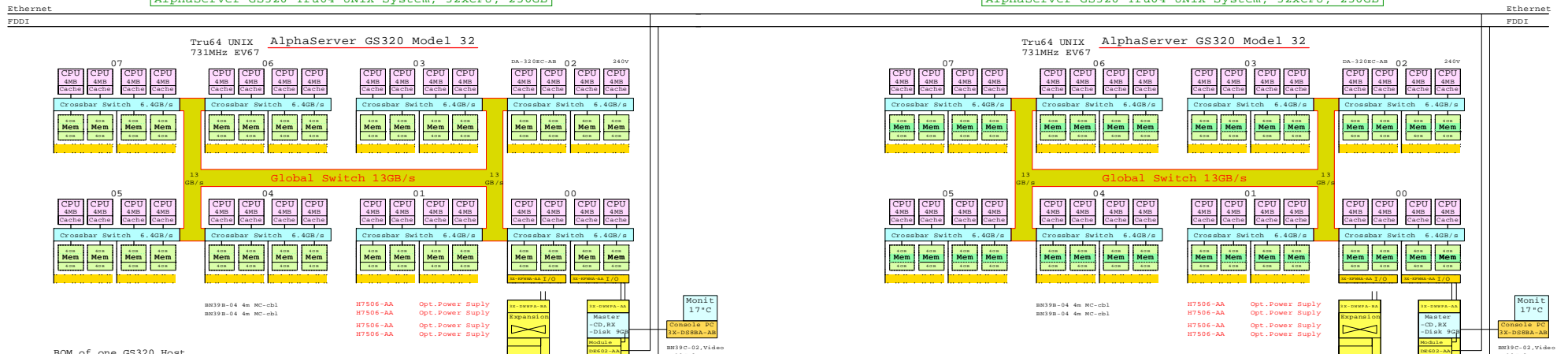
This template is included in the present GOLDEN EGGS Software kit.

GS320 UNIX

AlphaServer GS320 TruCluster

AlphaServer GS320 Tru64 UNIX System, 32xCPU, 256GB

AlphaServer GS320 Tru64 UNIX System, 32xCPU, 256GB



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COMPAQ 23-Feb-2001 GTAUGS3204
 Matti.Datar@compaq.com
 AlphaServer GS320 UNIX Cluster
 GOLDEN EGGS Visuals, Helsinki

BOM of this Storage

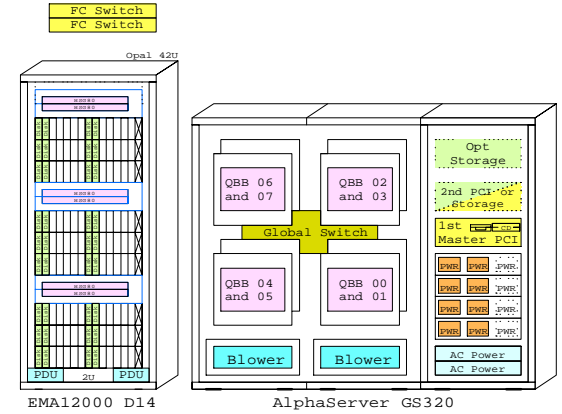
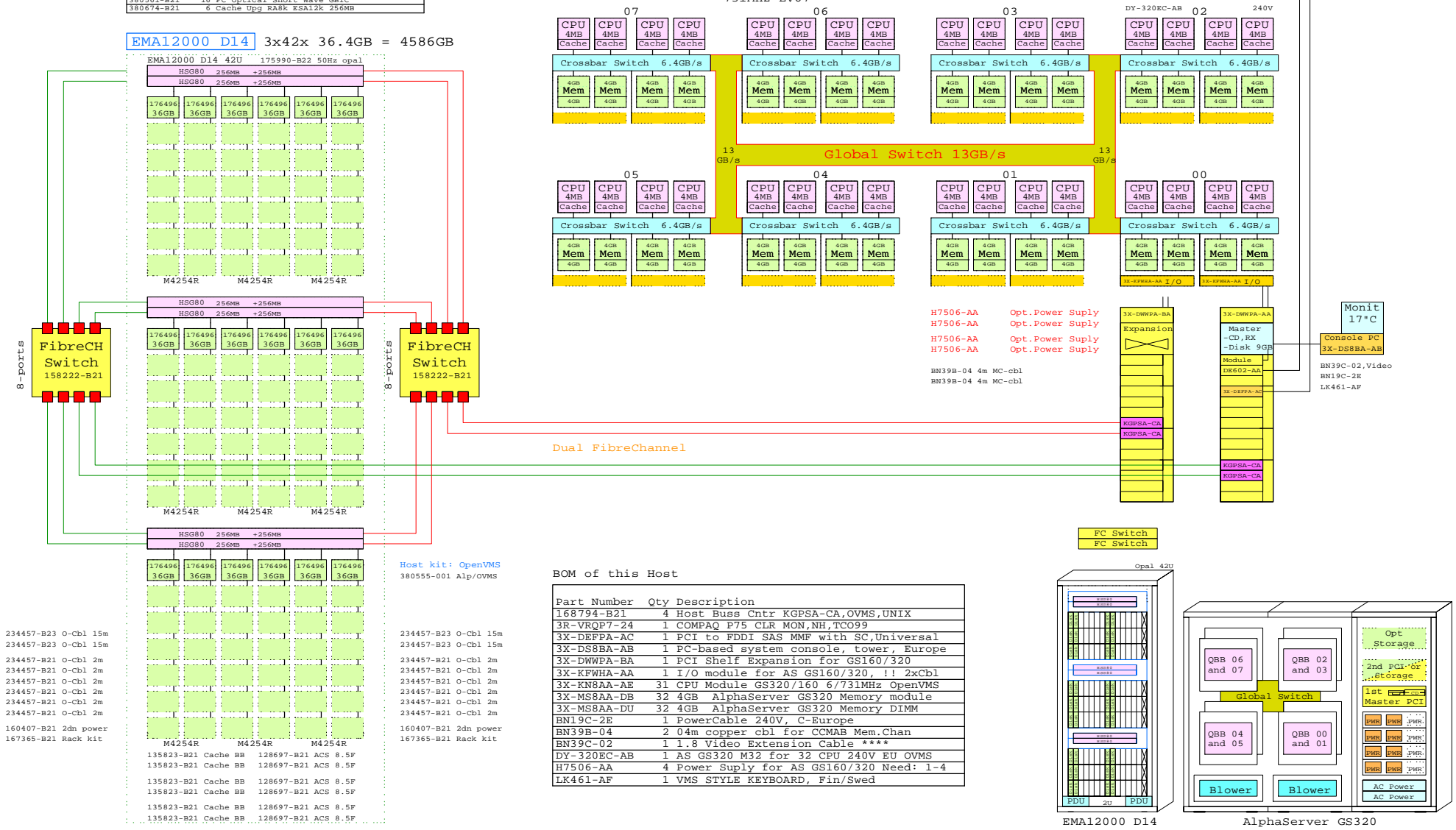
| Part Number | Qty | Description |
|-------------|-----|--------------------------------------|
| 128697-B21 | 6 | ACS V8.5F controller FCAL/FCSW |
| 135823-B21 | 6 | HSG8x Single external cache Battery |
| 158222-B21 | 2 | SAN Switch 8 Ports |
| 160407-B21 | 2 | SAN switch redundant power supply |
| 167365-B21 | 2 | Rack mount kit for SAN switch |
| 175990-B22 | 1 | EMA12000 D14 42U 50Hz opal |
| 176496-B22 | 18 | 36GB 10000r Ultra3 SCSI disk 1" |
| 176622-B21 | 6 | HSG80 FC Contr with 256MB cache |
| 234457-B21 | 12 | Fibre Channel 02m Optical Cable |
| 234457-B23 | 4 | Fibre Channel 15m Optical Cable |
| 380555-001 | 1 | OS Platf.Softw.Kit for FC Alpha OVMS |
| 380561-B21 | 16 | FC Optical Short Wave GBIC |
| 380674-B21 | 6 | Cache Upg RABK ESA12K 256MB |

AlphaServer GS320 OpenVMS System, 32xCPU, 256GB

Ethernet
FDDI

OpenVMS AlphaServer GS320 Model 32
731MHz EV67

EMA12000 D14 3x42x 36.4GB = 4586GB



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COMPAQ 23-Feb-2001 GTAVGS3203
Matti.Patari@compaq.com

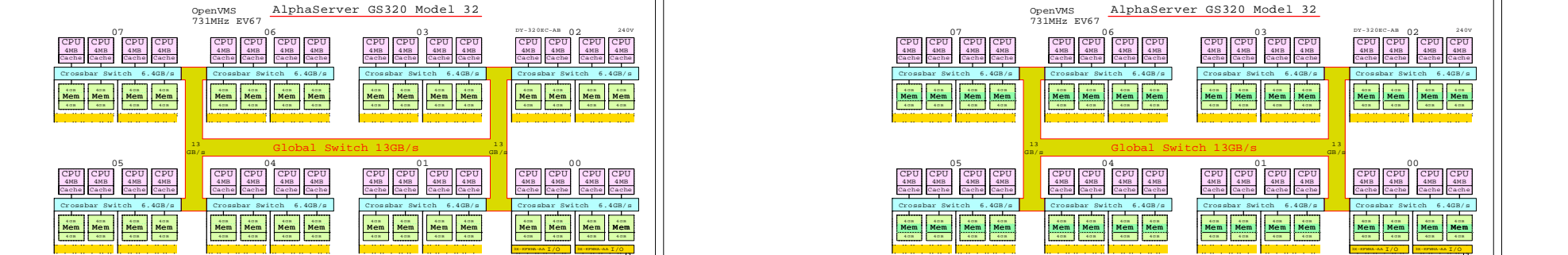
AlphaServer GS320 OVMS System
GOLDEN EGGS Visuals, Helsinki

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

GS320 OVMS

AlphaServer GS320 OpenVMS Cluster

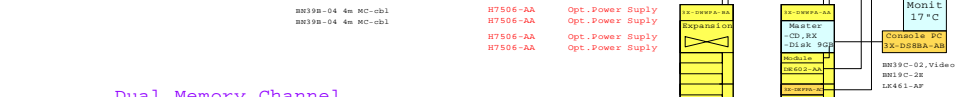
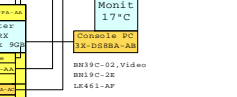
AlphaServer GS320 OpenVMS System, 32xCPU, 256GB Ethernet FDDI



BOM of one GS320 Host

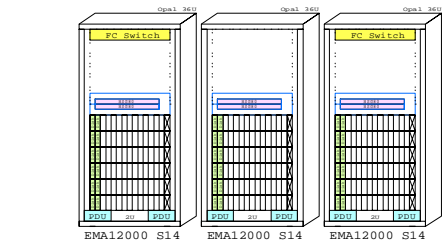
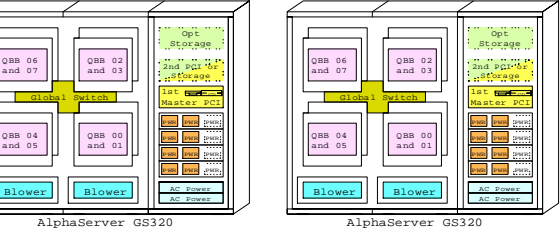
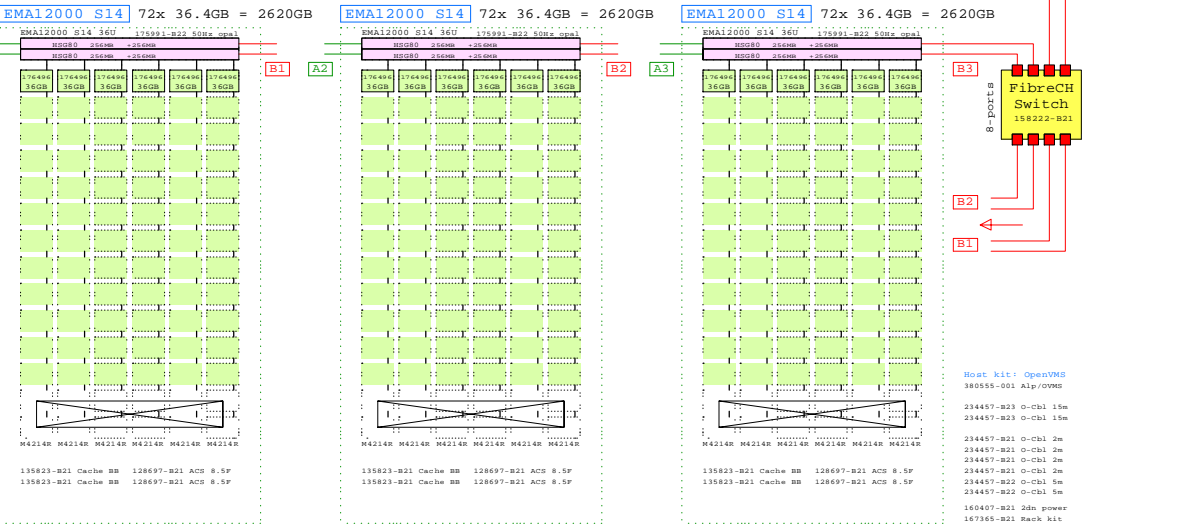
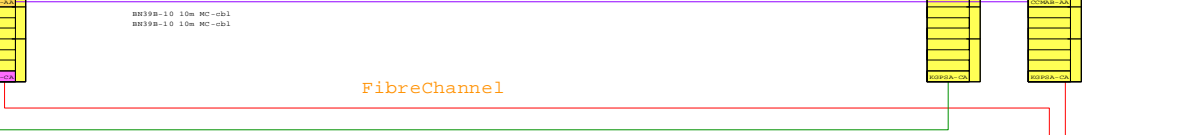
| Part Number | Qty | Description |
|-------------|-----|--|
| 18874-221 | 2 | Host Base Unit K828A-CA OVMS UNIX |
| 18-VZDP7-24 | 1 | COMPAQ P75 CLR MON MON VDD99 |
| 18-DRRA-AC | 1 | PCI to PCI Bus MXP with 80 Universal |
| 18-DRRA-AB | 1 | PC-based system console tower Europe |
| 18-DRRA-AA | 1 | PCI Serial Expansion for 500 507 510 |
| 18-XPWA-AA | 1 | 170 module Exp AS G810/120 (1 Zacht) |
| 18-DRRA-AA | 1 | 2nd Module GS320 480 8 / 318hp OpenVMS |
| 18-DRRA-AB | 12 | 4GB AlphaServer GS320 Memory module |
| 18-DRRA-AD | 32 | 4GB AlphaServer GS320 Memory DIMM |
| 18-DC-AS | 1 | PowerCable 240V, 6-Phase |
| 8N178-05 | 2 | 04m copper cbl for CDMA Mem Chan |
| 8N178-10 | 1 | 10m copper cbl for CDMA Mem Chan |
| 8N19C-02 | 1 | 1.8 Video Extension Cable *** |
| 02MBA-AB | 2 | PCI Mem Channel 2 Channel 0001 |
| DV-320C-AB | 1 | AS GS320 M12 for 12 CPU 240V 80 OVMS |
| 18150-AB | 1 | Power supply for AS GS320 Model 1, 4 |
| 18441-AP | 1 | VMS SVTLE KEYBOARD, Flatbed |

8N39B-04 4m MC-cbl
8N39B-04 4m MC-cbl
H7506-AA Opt.Power Supply
H7506-AA Opt.Power Supply
H7506-AA Opt.Power Supply
H7506-AA Opt.Power Supply



Dual Memory Channel

FibreChannel



BOM of the shared Storage

| Part Number | Qty | Description |
|-------------|-----|--------------------------------------|
| 13807-221 | 6 | 6GB 18.5 External Cache RAM/FCMB |
| 13823-221 | 6 | 6GB 36 Single External Cache Battery |
| 16702-221 | 2 | 2 240 WATT/8.5 Amps |
| 15040-221 | 2 | 2 240 WATT/8.5 Amps |
| 16705-221 | 2 | 2 Rack Mount Kit for SAN switch |
| 17571-221 | 6 | EMA12000 S14 360 360 2620GB |
| 17429-221 | 18 | 18GB 10000 Ultra3 SCSI disk ** |
| 17622-221 | 6 | 6GB FC Controller with 256MB cache |
| 23447-221 | 12 | Fibre Channel 02m Optical Cable |
| 23447-221 | 6 | Fibre Channel 10m Optical Cable |
| 18055-001 | 1 | OS Plat softw kit for FC Alpha OVMS |
| 18055-221 | 18 | FC Optical Fibre New QCIC |
| 18074-221 | 2 | Cache Upg BARK EMA12K 256MB |

Host kit: OpenVMS
38055-001 Alp/OVMS
23447-221 O-Cbl 15m
23447-221 O-Cbl 15m
23447-221 O-Cbl 2m
23447-221 O-Cbl 2m
23447-221 O-Cbl 2m
23447-221 O-Cbl 2m
23447-221 O-Cbl 5m
23447-221 O-Cbl 5m
160407-221 2dn power
167965-221 Rack kit

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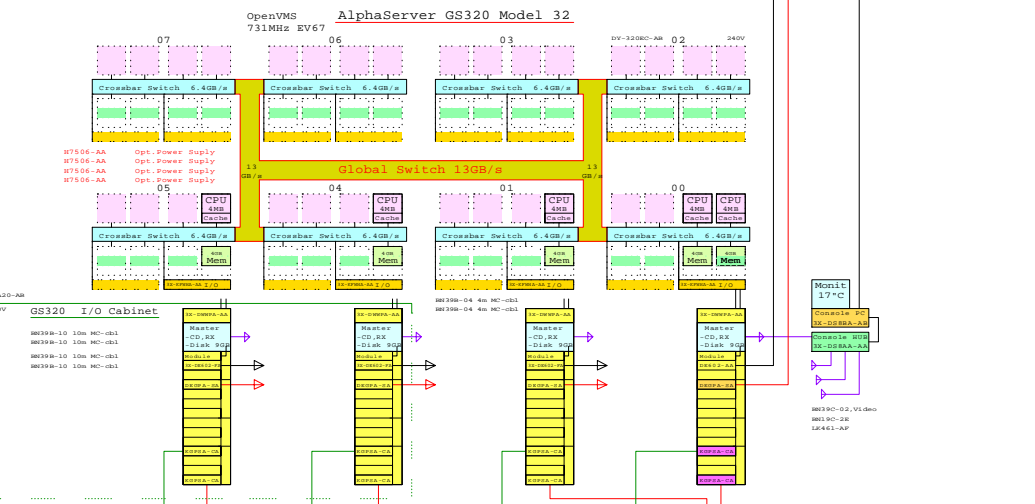
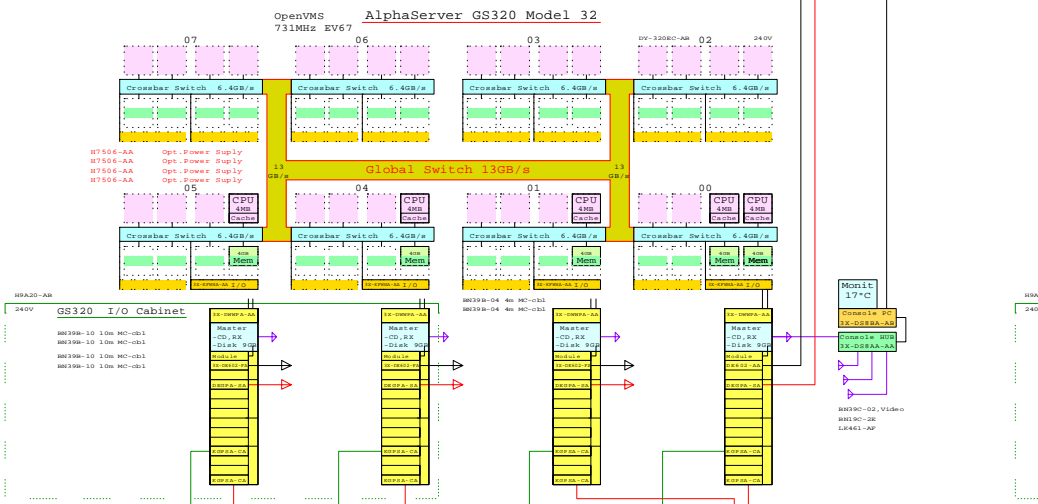
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AlphaServer GS320 OVMS Cluster
GOLDEN EGGS Visuals, Helsinki

Ethernet
GigaBitEthernet

AlphaServer GS320 OpenVMS system, 32xCPU, 256GB

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AlphaServer GS320 OpenVMS system, 32xCPU, 256GB



FC<10km



GTAVGS3205

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