

# GoldenEggs for 25 Years

Link to this document: <http://www.goldeneggs.fi/documents/GE-25-YEAR-BOOK.pdf>

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Dear GoldenEggs readers,  
This month GoldenEggs Visual Configurations has been in the business for 25 years.

It all started in Digital Equipment Corporation Helsinki office in 1988. That time I was the technical support engineer for our 30 salespersons. My duty was to make salesreps to quote smart (no errors) VAX systems to the customers.

One quote, one order, one delivery, one installation,  
= Happy Customer.

A configuration guide book was needed, name it GoldenEggs. Originally GoldenEggs was a pile of my paper notepads. It was all paper and pencil, far before PowerPoint and Windows.

Paper and pencil were replaced with a home brewed AutoCAD system running a 4mb VAXstation 2000 system. At the first stage outputs were photocopied locally.

I produced GoldenEggs hard copies for users. In the first ten years total 200.000 booklets were distributed Globally. Parallel to hard copies the material was available in DECnet in our Helsinki HSKAPL: node. This ensured prompt delivery of new diagrams.

During the DEC, Compaq and HP years, GoldenEggs got colours. The Old VAXstation AutoCAD was replaced with [www.VERTEX.fi](http://www.VERTEX.fi) new PC based 2D CAD tool.

After the colour GoldenEggs, no hard copies were produced. Distribution was solely on Internet.

<http://h18000.www1.hp.com/info/GECPQA/>

<http://www.openvms.org/pages.php?page=GoldenEggs>

The present GoldenEggs is multi vendor and x86. Servers in rack, and pedestal are visualized. Blade systems are included. Vendors are: Dell, IBM, HP, Fujitsu, Cisco, Lenovo, Acer and Sun. Internet site is here:

<http://www.goldeneggs.fi>

In this document of 20 pages I have compiled some notable examples during the past 25 years.

I wish you good, memorable readings.

Matti Patari, Helsinki  
Mr. GoldenEggs

Golden Eggs Home:  
<http://www.goldeneggs.fi>

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Note:

Please open Bookmarks in pdf

GOLDEN EGGS Visuals™ Helsinki	22-Aug-2013	GE-25-YEAR-BOOK
	Matti.Patari@Kolumbus.Fi	

GoldenEggs celebrates 25 years  
GOLDEN EGGS Visuals, Helsinki

## 25 Years of GoldenEggs Visual Configurations

Golden Eggs Hard Copy History 1988...1998  
After that the Goose flew into the Net

GE-Team:  
Matti  
Helena  
Pauli

14-Nov-1988

Last Rev:27  
print 20.000  
DHL-ship to  
109 destinations

18-Jun-1990

Total hard copies shipped 200.000

**Systems & Controllers:**

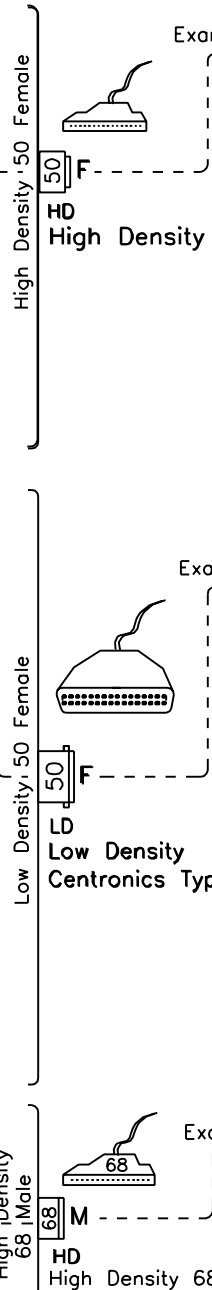
AlphaServer  
 AlphaStation  
 PB2HA-SA SCSI-Cntrl  
 DECpc 150/AXP  
 DEC 2000-300 AXP  
 -500 AXP  
 DEC 3000-300 AXP  
 DECstation 5000  
 20,25,33,50,  
 125,133,240,260  
 KZMSA  
 PMAZ-AB SCSI-Cntrl  
 InfoServer 1000  
 PMAZB-AA Dual SCSI-2  
 PMAZC-AA Dual F-SCSI

DEC 3000-400 AXP  
 -600 AXP  
 DEC 3000-500 AXP  
 -800 AXP  
 DEC 4000-710 AXP  
 DECsystem 5100

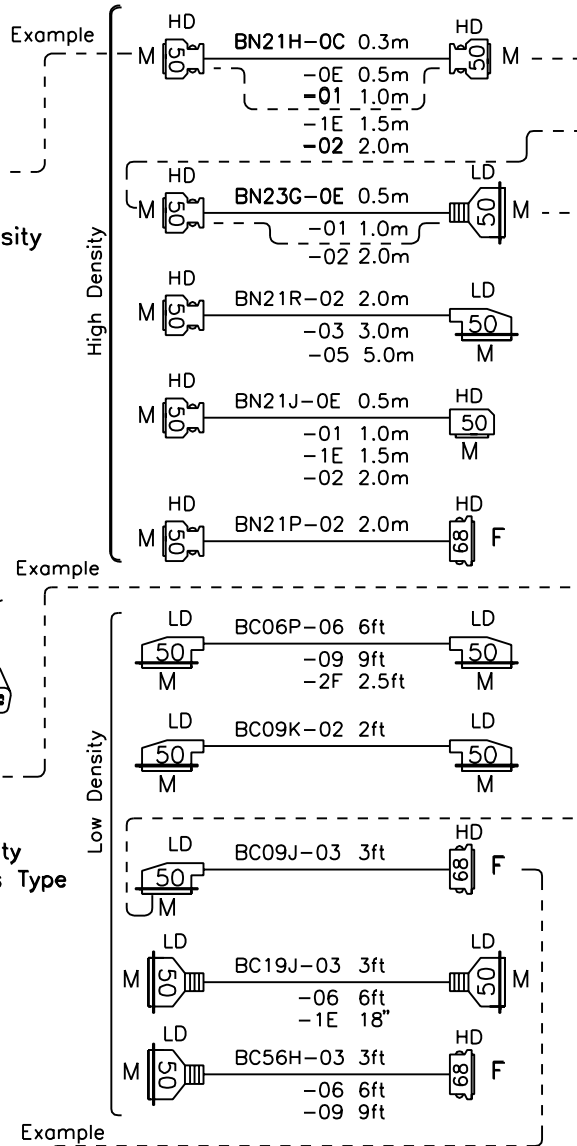
InfoTower 1000  
 VAX 4000-100  
 VAXstation 4000  
 VLC,60,90  
 MicroVAX 3100 10,20  
 10e,20e,30,40,80,90

HSD05-JA  
 KZDDA-AF SCSI-Cntrl  
 DECpc + PCTAZ-AD SCSI-Cntrl  
 KZQSA-SF Q-bus Cntrl

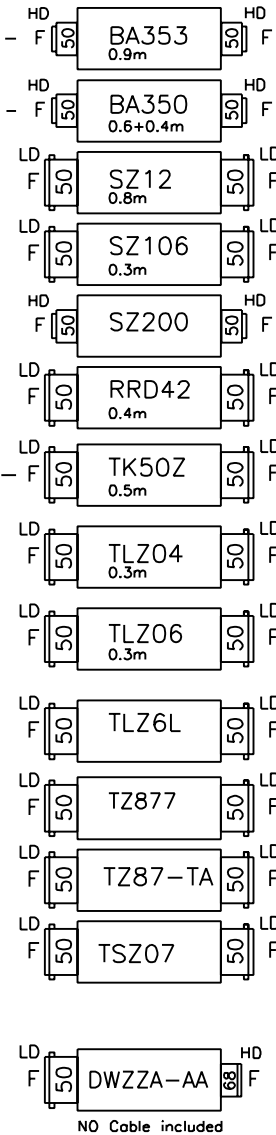
AlphaStation 600 wide scsi  
 DECstation 3100  
 InfoServer 100  
 InfoServer 150 2x  
 VAXstation 3100  
 30,40,38,48,76



**SCSI-cables**



**External Options:**



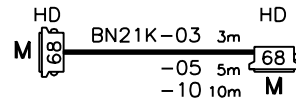
**Cables Included:**

BC09K-02  
 BC09J-03  
 -DG, -FA, -GA BC19J-1E  
 BC56H-03  
 -DH, -FB BC06P-06

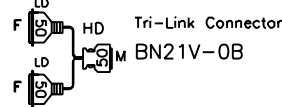
Use Right angle Cbl

-GA BC06P-06  
 -FA BC19J-03  
 -DG  
 -GA BC06P-06  
 -FA BC19J-03  
 BC56H-03  
 -DA BC19J-03  
 BC56H-03

**FWD**



**M = Male F = Female**  
 LD = Low Density Centronics  
 HD = High Density Honda  
 12-30552-01 LD Terminator H8574-A  
 12-33626-01 HD 50 Terminator  
 12-29635-01 HD 68 Terminator

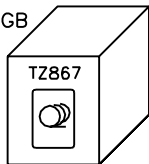


SCSI

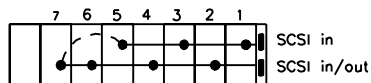
digital 21-Nov-1995 Detail Layer  
 GOLDscsi  
 SCSI Connections and Cables  
 GOLDEN EGGS Visual Configurations, Helsinki

GESWCBL1

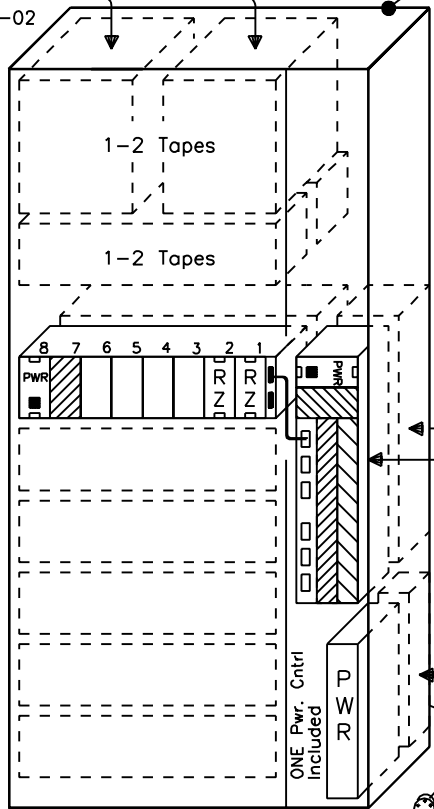
TZ877-AE/AF 140GB  
 TZ867-AE/AF 42GB  
 CK-SF400-TE



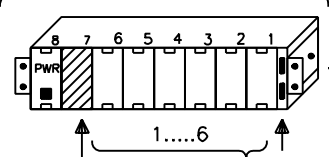
1-4 Tapes Max  
 BN21H-02



Power  
 60Hz120V/50Hz240V



BA350-JA



BA35X-HA  
 Second Powersuply

RZ26L-VA 1GB  
 RZ28M-VA 2GB  
 RZ29B-VA 4.3GB

TLZ06-VA 4GB

RZ74-VA 3.5GB

RRD42-VB 600MB

RRD42-VU  
 Second CD-drive

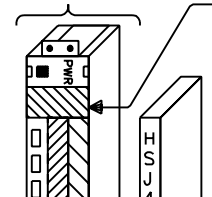
**SCSI Cable**

- BN21H-01 1.0m Cntrl to Shelf
- BN21H-02 2.0m Front to Back  
Back to Back from Cntrl
- BN21H-0E 0.5m Shelf to Shelf
- BC19J-03 3ft Tape to Tape

**SW800-FA/FB**

Cabinet with ONE power controller and Air Blowers for 7200rpm disks

BA350-MB



BA35X-HF  
 Second Powersuply

ASCI-terminal  
 VT510

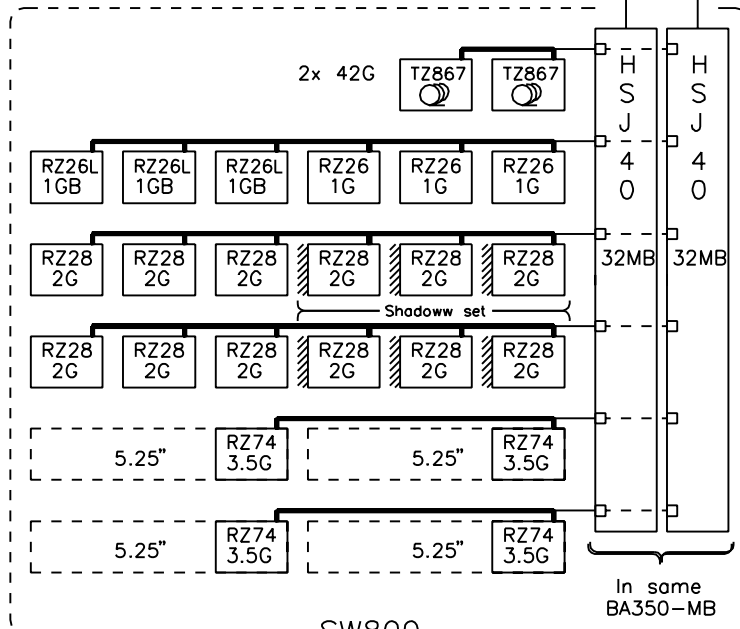
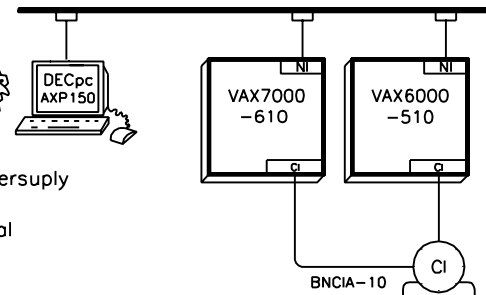
HSJ40-AF 32MB  
 HSZ40-AD 16MB  
 HSZ40-AF 32MB

SW8XP-BA/BB  
 Second Power Cntrl

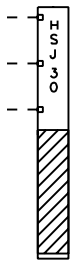
**StorageWorks SW800**

**EXAMPLE**

Dual-redundant 3x3x1GB + Tape	Single system 3x3x1GB + Tape
1x SW800-FA/FB	1x SW800-FA/FB
1x SW8XP-BA/BB	--
1x BA350-MB	1x BA350-MB
1x BA35X-HF	1x BA35X-HF
2x HSJ40-AF	1x HSJ40-AF
2x TZ877-AE/AF	1x TZ877-AE/AF
1x BN21H-02	1x BN21H-02
1x BC19J-03	1x CK-SF400-TE
1x CK-SF400-TE	
3x BA350-JA	3x BA350-JA
3x BA35X-HA	--
9x RZ26L-VA	9x RZ26L-VA
3x BN21H-01	3x BN21H-01



Logical layout of CI-cluster schematics.



HSJ30-AD 16MB 3x SCSI  
 HSJ30-AF 32MB 3x SCSI  
 HSJ42-AF = 2x HSJ40-AF  
 HSJ44-AF = 4x HSJ40-AF

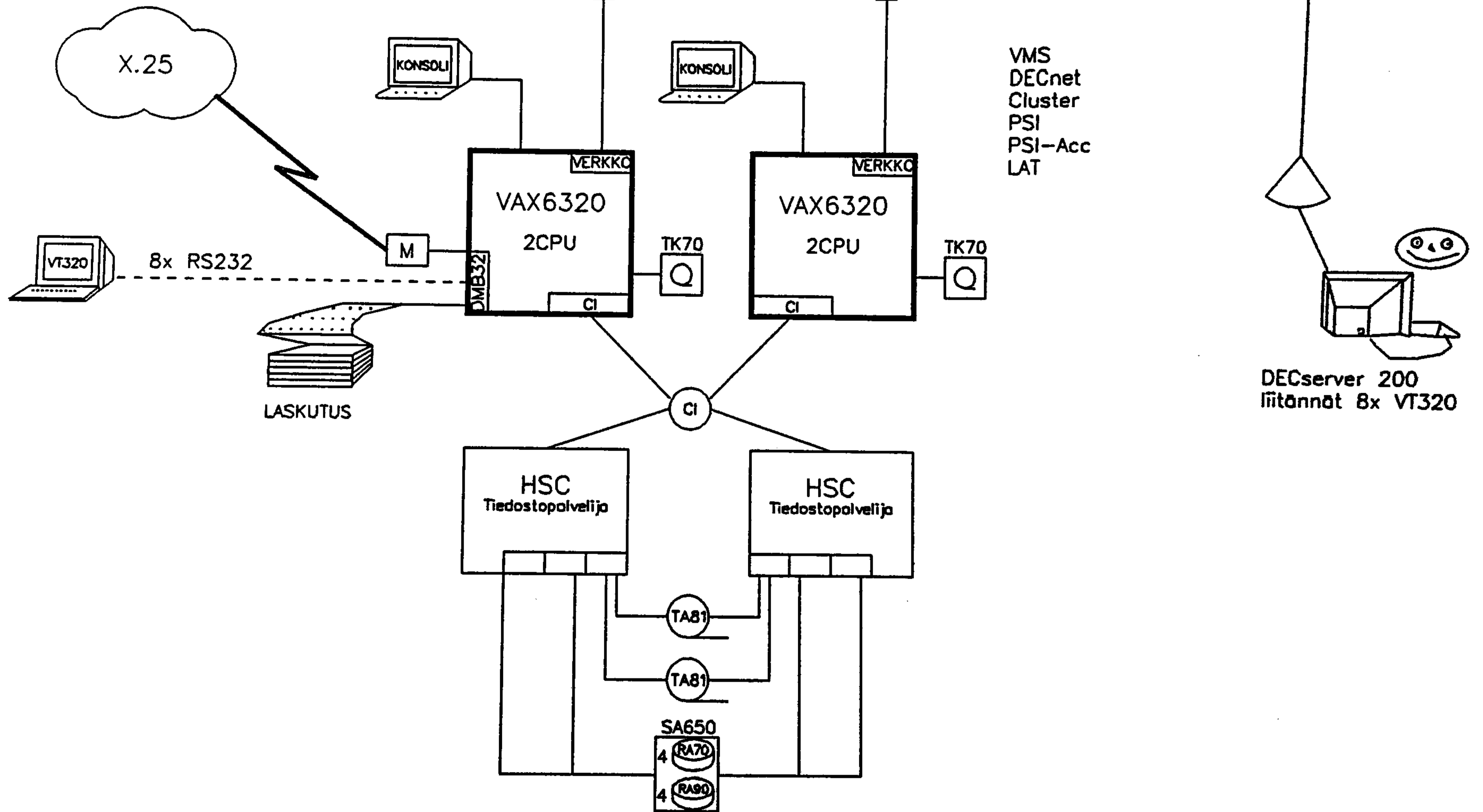
GESW800A

digital 21-Nov-1995 Detail Layer  
 GOLDsw800

**SW800**

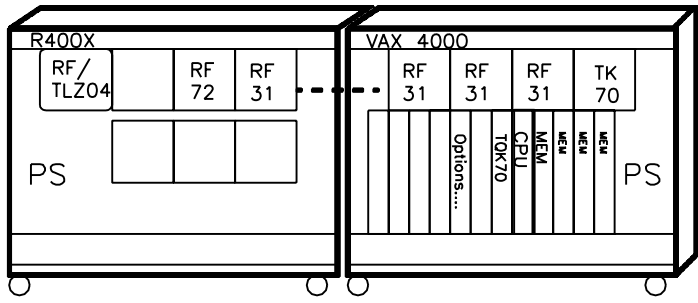
StorageWorks SW800  
 GOLDEN EGGS Visual Configurations, Helsinki

Ethernet-lähiverkko, IEEE 802.3

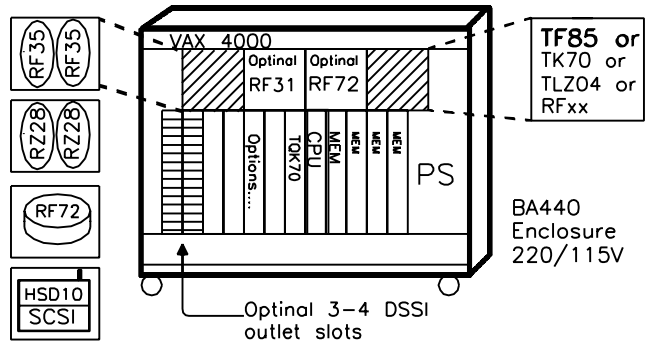


digital	1989-03-13	Loitekuva
	mp	

Koksois VAXcluster 6320

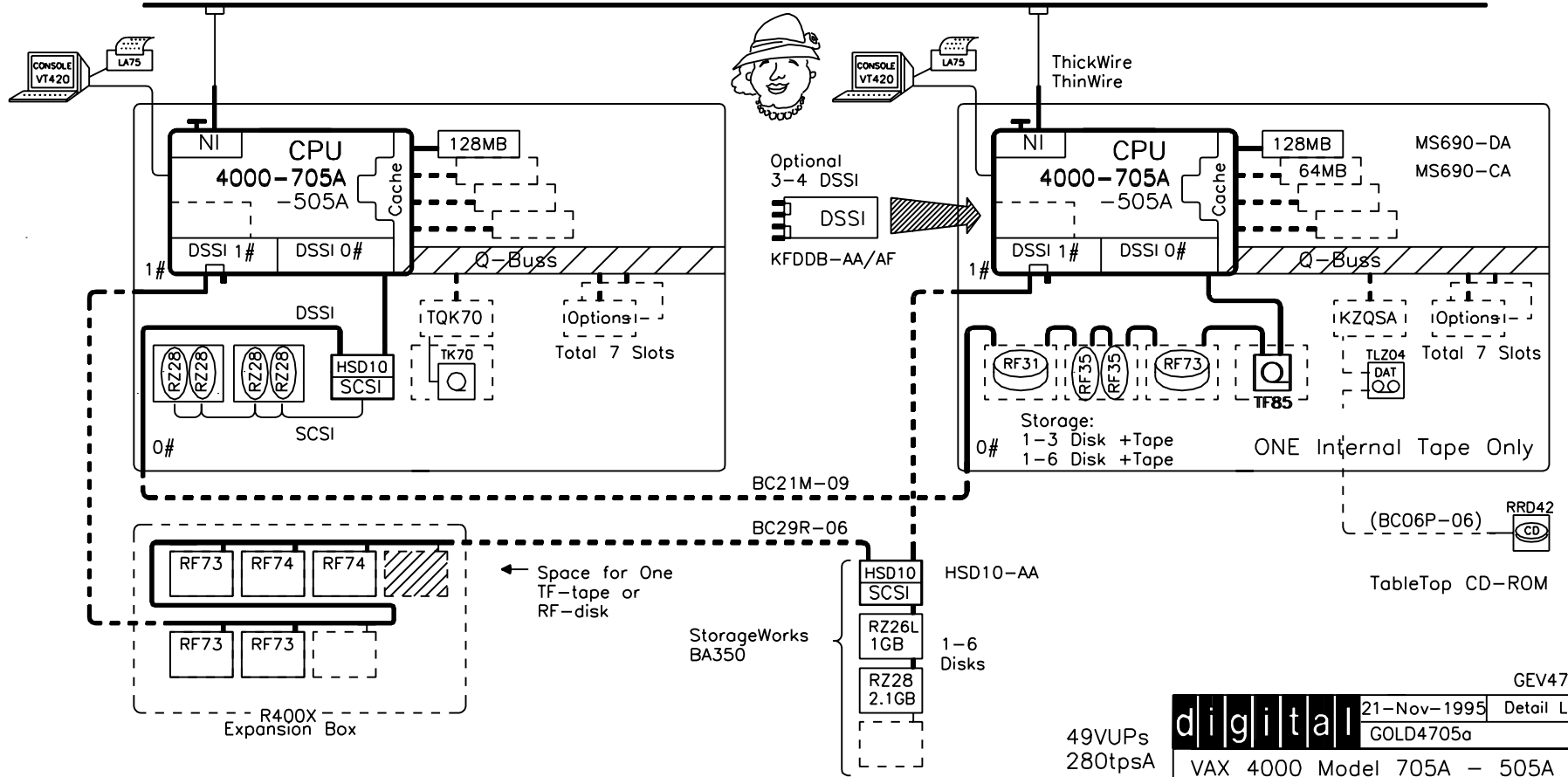


**DV-47AFC-FA**  
 Advantage Server System  
 -49VUPs, 280tpsA  
 -OpenVMS Base  
 -128MB  
 -CD  
 -2GB  
 -Ethernet  
 -2x DSSI



Disk Expansion and VAX 4000

VAX 4000 Model 705A-505A



StorageWorks  
BA350

HSD10-AA

1-6  
Disks

49VUPs  
280tpsA

4705A

OpenVMS 5.5-2H4 or V6.1

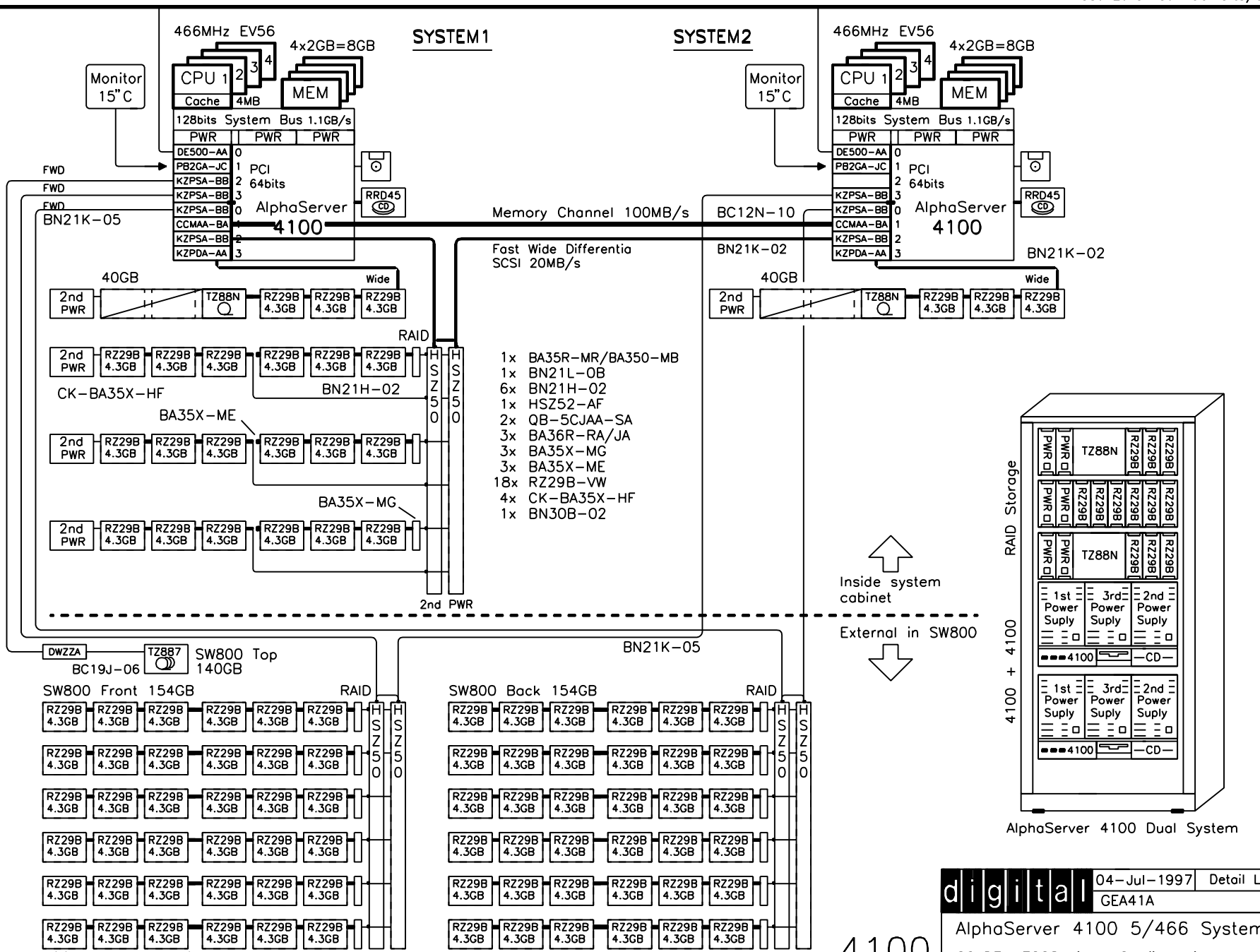
**digital** 21-Nov-1995 Detail Layer  
GOLD4705a

VAX 4000 Model 705A - 505A  
GOLDEN EGGS Visual Configurations, Helsinki

GEV4705A

# AlphaServer 4100 Data Mining

Fast Ethernet 100Mbps/s



# 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		



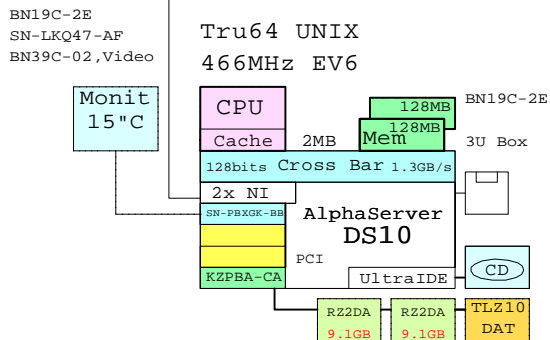
# GOLDEN EGGS



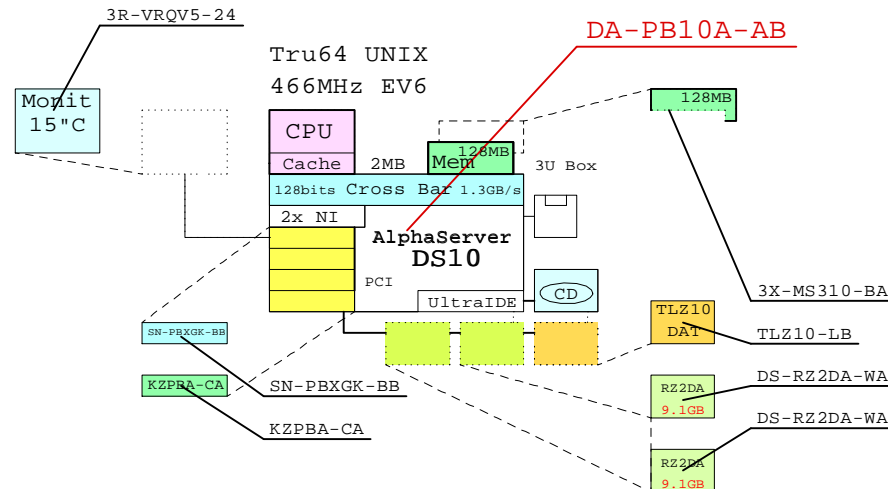
POWERED BY

VERTEX

Ethernet



These visuals make this system.



System and options have been dragged from GOLDEN EGGS menu.

Bill of Material, no price

Part Number	Qty	Description
1	1	DA-PB10A-AB 1 AS DS10 6/466 128MB UNIX
1.1	1	3R-VRQV5-24 1 COMPAQ V55 CLR MON,NH,TCO95
1.2	1	3X-MS310-BA 1 DS10 128MB DIMM MEM
1.3	1	BN19C-2E 1 PowerCable 240V, C-Europe
1.4	1	BN39C-02 1 1.8 Video Extension Cable ****
1.5	2	DS-RZ2DA-WA 2 9.1GB 7200RPM UltraSCSI Disk
1.6	1	KZPBA-CA 1 PCI to UltraSCSI Adapter UWSE
1.7	1	SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics
1.8	1	TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH
2	1	SN-LKQ47-AF 1 102 KEY KYBD, NON-WIN, Finnish
3	1	BN19C-2E 1 PowerCable 240V, C-Europe

GOLDEN EGGS Software:

- This software runs on a normal office PC or LapTop.
- Tool for Compaq system designer and Sales.
- Rich Compaq product palette for Alpha and StorageWorks.
- Easy to use, just drag and drop.
- One picture talks thousands of words!
- Contains a rich set of ready made system templates.
- Bill of material, BOM, is pulled from the picture.
- Configuration pricing is available in local currency.

How to get GOLDEN EGGS Software:

Send your request to:

Matti.Patari@compaq.comm

Bill of Material with local currency, Fimk

GOLDEN EGGS Drawing: p\_GEG00C Date: 1999-12-13 10:12:00 Price file: GEFim071199.Dat Bill of Material

Part Number	Qty	Description	E/U OEM	Price	Sub.tot
1	1	DA-PB10A-AB 1 AS DS10 6/466 128MB UNIX	X X	34150	34150
1.1	1	3R-VRQV5-24 1 COMPAQ V55 CLR MON,NH,TCO95	N A	2086	2086
1.2	1	3X-MS310-BA 1 DS10 128MB DIMM MEM	X X	4052	4052
1.3	1	BN19C-2E 1 PowerCable 240V, C-Europe	N R	58	58
1.4	1	BN39C-02 1 1.8 Video Extension Cable ****	X X	161	161
1.5	2	DS-RZ2DA-WA 2 9.1GB 7200RPM UltraSCSI Disk	Y M	2800	5600
1.6	1	KZPBA-CA 1 PCI to UltraSCSI Adapter UWSE	Y M	2732	2732
1.7	1	SN-PBXGK-BB 1 Elsa Gloria Synergy 8M Video Graphics	N A	1799	1799
1.8	1	TLZ10-LB 1 12/24GB 4mm DAT 5.25" HH	Y M	8300	8300
2	1	SN-LKQ47-AF 1 102 KEY KYBD, NON-WIN, Finnish	N A	154	154
3	1	BN19C-2E 1 PowerCable 240V, C-Europe	N R	58	58

Grand Total: 59150

<b>COMPAQ</b>	05-Apr-2001	GEG00C
	Matti.Patari@Compaq.com	

# AlphaServer ES45 68/1000 Systems, 64bits 1000MHz

Model	Tru64 UNIX	OpenVMS	Linux Ready
#1 M2 10xPCI	-BA 1GB -CA 2GB -DA 4GB	-BA 1GB -CA 2GB -DA 4GB	-BA 1GB -CA 2GB -DA 4GB

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

### Mini-Tower Enclosure

BA61M-CT	Mini-Tower box
3X-KZPCA-AA	USCSI adapter
BA610-6D	Disk Drive Cage
3R-A0585-AA	Disk 18.2GB 10k
3R-A0919-AA	Disk 36.4GB 10k
3X-DE602-AA	2x Ether 10/100
BN25G-10	Cable, twisted
SN-PBXGF-AB	3DLabs 2D graph
BN19C-2E	Power cord, 3x

### Pedestal - M4314R

BA61P-CB	Pedestal cabinet
3X-KZPCA-AA	USCSI adapter
BN38C-02	SCSI cable, 2m
DS-SL13R-AB	Single-buss shelf
3R-A1543-AA	Disk 18.2GB 15k
3X-DE602-AA	2x Ether 10/100
BN25G-10	Cable, twisted
SN-PBXGF-AB	3DLab 2D graph
BN19C-2E	Power cord 3x

### Cabinet - M4314R

H9A15-ME/MF	Cabinet US/Europe, 40U
H9C15-ZE	Cabinet rear extender
H9C15-ZF	Cabinet front door
H9C10-MC	Ballast kit, 40lbs
BA61R-CR	Rack mount kit
YS-ASCAA-AA	Factory integration
3X-KZPCA-AA	Ultra2 SCSI adapte, 1-2
BN38C-05	SCSI cable, 5m, 1-2
DS-SL13R-AB	Shelf M4314, single b.
DS-SE2UP-A1	2nd power supply, Int
DS-SL13R-BB	Shelf M4354, dual bus
3R-A1543-AA	Disk 18.2GB 15k
3X-DE602-AA	2x Ether 10/100
BN25G-10	Cable, twisted
SN-PBXGF-AB	3DLabs 2D graph

#3 SVGA color monitor #4 Select keyboard and power cord

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

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

### Internal options

Memory expansion

MS620-BA	1GB
MS620-CA	2GB
MS620-DA	4GB

Additional CPUs, Max 4

UNIX KN610-DB	1000MHz
OVMS KN610-DC	
Linux KN610-DA	

Power supply, 1 optional.

H7906-A9	CPU power
----------	-----------

Internal storage

#### Tape storage

TLZ10-LB	12/24GB DAT Tape drive
3X-BN46M-01	Multi head SCSI cable

#### Disk storage

3R-A1543-AA	18GB Universal disk 15k
3R-A3079-AA	36GB Universal disk 15k
3R-A3050-AA	72GB 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, VHDCI-VHDCI
KZPAC-CB	RAID 3-port, 8MB cache
KZPSC-UB	Cache battery
KZPAC-SB	Dual cable bulkhead
BN37A-02	2m SCSI cable VHDCI-VHDCI

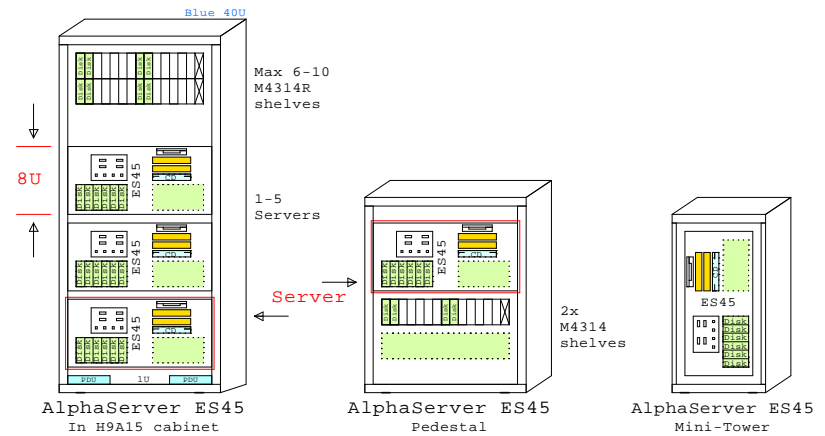
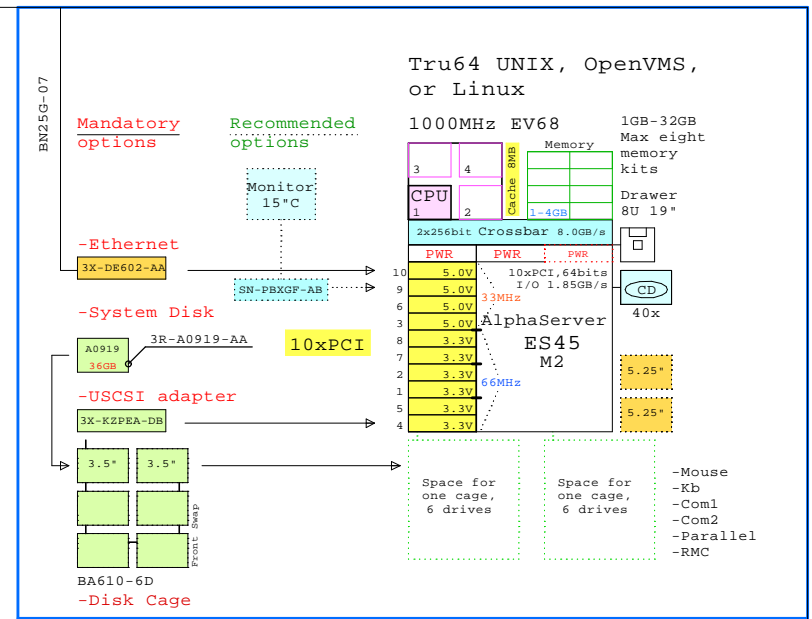
Controllers

3X-DE602-AA	2xEthernet 10/100
DEGPA-SA	Gigabit Ethernet
3X-DEFPA-AC	FDDI adapter, SAS MMF
CCMAB-AA	Memory Channel
CIPCA-BA	CI controller
DS-KGPSA-CA	Fibre Channel adapt
168794-B21	--"

### External options

Tape storage, DLT

3X-KZPCA-AA	USCSI adapter LVD
328215-001	68HD-68HD cable 5m
146197-B21	40/80 DLT tape TT
BN19C-2E	Power cord, Europe



	@1000MHz
SPECint2000	679
SPECfp2000	960

Min.ver.	V5.1A
Tru64 UNIX	V7.3
OpenVMS	V7.3
Linux	V2.4

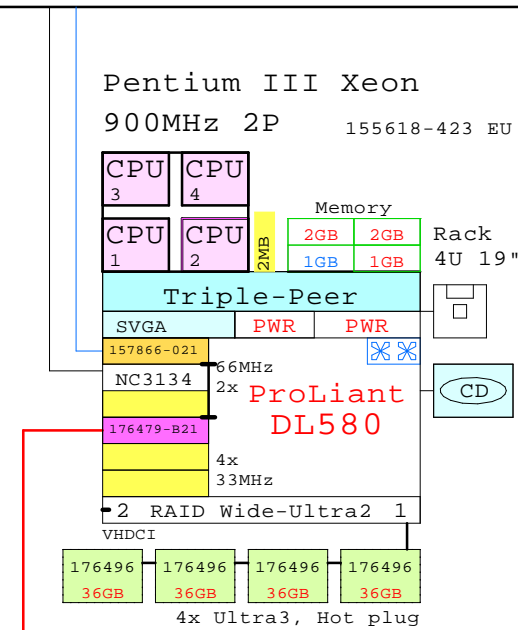
Software Processor Code: E

<b>COMPAQ</b>	05-Mar-2002	GEAES451
	Matti.Patari@compaq.com	

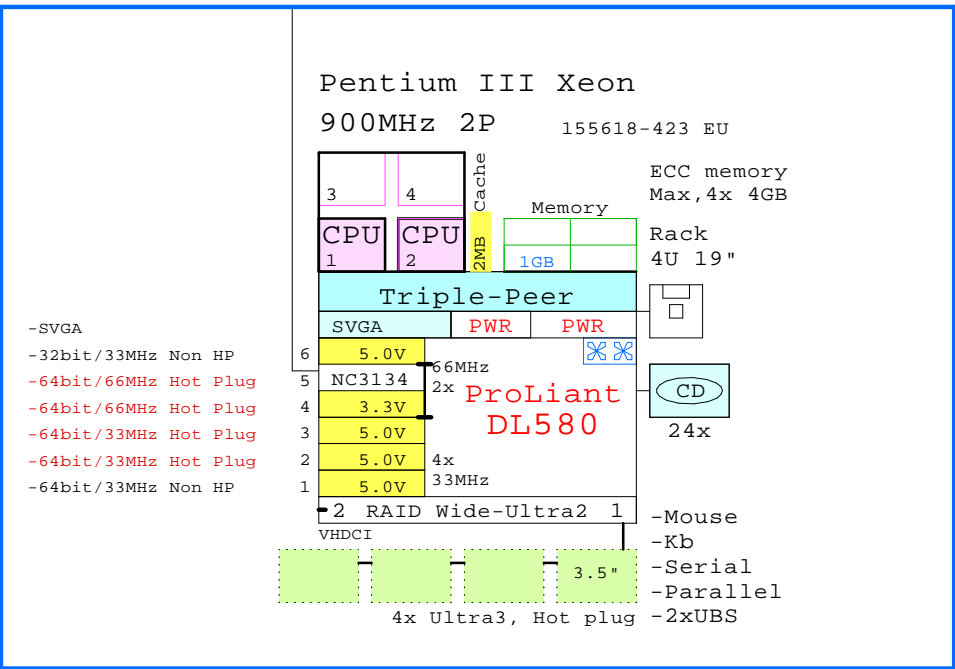
AlphaServer ES45 1000MHz Syst.  
GOLDEN EGGS Visuals, Helsinki

Internal Options:

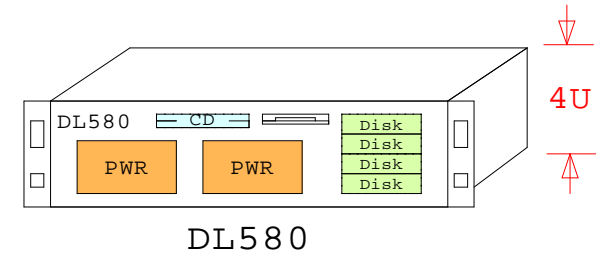
- CPU** 222627-B21  
3rd, 4th CPU
- 1GB** 189081-B21
- 2GB** 189082-B21
- 4GB** 189083-B21
- 142673** 142673-B22  
**18GB** 10k
- 188122** 188122-B22  
**18GB** 15k
- 176496** 176496-B22  
**36GB** 10k
- 232432** 232432-B22  
**72GB** 10k
- 157866-021**  
Lights out mgr  
33MHz
- 158575-B21**  
NC7131 Gigabit  
64-bit/66MHz
- 138603-B21**  
NC3134 Ethernet, Dual  
64-bit/66MHz
- 158939-B21**  
Smart Array 5304/128  
64-Bit/66MHz
- 176479-B21**  
FibreChannel adapter  
64-bit/33MHz



To Fibre Channel Storage



- SVGA
- 32bit/33MHz Non HP
- 64bit/66MHz Hot Plug
- 64bit/66MHz Hot Plug
- 64bit/33MHz Hot Plug
- 64bit/33MHz Hot Plug
- 64bit/33MHz Non HP



BOM of the system above

Part Number	Qty	Description
155618-423	1	ProLiant DL580 2P 900MHz 1GB rack 4U
1.1	1	CPQ Remote Insight manager kit
1.2	1	Host Buss Cntrl KGPSA-CB,NT only
1.3	4	36GB 10000r Ultra3 SCSI disk 1"
1.4	1	1GB PC100 CL2 ECC SDRAM (4x256MB)
1.5	2	2GB PC100 CL2 ECC SDRAM (4x512MB)
1.6	2	Pentium III Xeon 900-2MB processor kit

[www.Compaq.com/golden-eggs](http://www.Compaq.com/golden-eggs)

Since: Oct-2001

<b>COMPAQ</b>	04-Jan-2002	GEIDL580a
	Matti.Patari@compaq.com	
ProLiant DL580 2PIII X900 2M GOLDEN EGGS Visuals, Helsinki		

DL580 4P

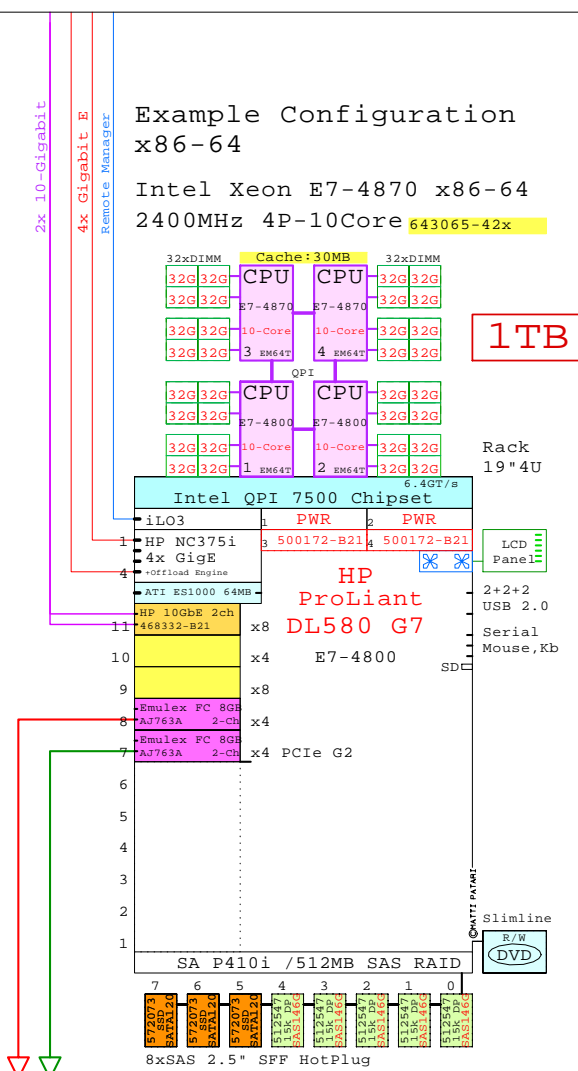
HP DL580-G7  
Xeon E7-4800

Internal Options:

- CPU** 643067-B21  
E7-4870 3, 4 10-Core E7-4870  
10-Core 2400MHz 30MB
- 588141-B21  
MemoryBook for 8x DIMM
- 8GB 500662-x2  
Pair of DDR3-SDRAM 2x 4GB
- 16GB 500622-x2  
2x 8GB
- 32GB 500666-x2  
2x 16GB
- 500172-B21  
Power Supply
- 512545-B21  
72GB 15k 6G SAS 2.5"
- 512547-B21  
146GB 15k 6G SAS 2.5"
- 507127-B21  
300GB 10k 6G SAS 2.5"
- 572071-B21  
60GB SSD SATA 2.5"
- 572073-B21  
120GB SSD SATA 2.5"
- 412648-B21  
HP NC360T 2ch Gige
- 468332-B21  
HP NC522SFP 2ch 10GbE
- AH627A  
HP U320e SCSI HBA
- 462864-B21  
HP SA P410 512mb RAID
- AJ763A  
Emulex FC 8Gb 2-ch

Example Configuration  
x86-64

Intel Xeon E7-4870 x86-64  
2400MHz 4P-10Core 643065-42x



2x 8Gb Fibre Channel to external storage

Parts list for the 4P 1TB Ten-Core HP DL580-G7

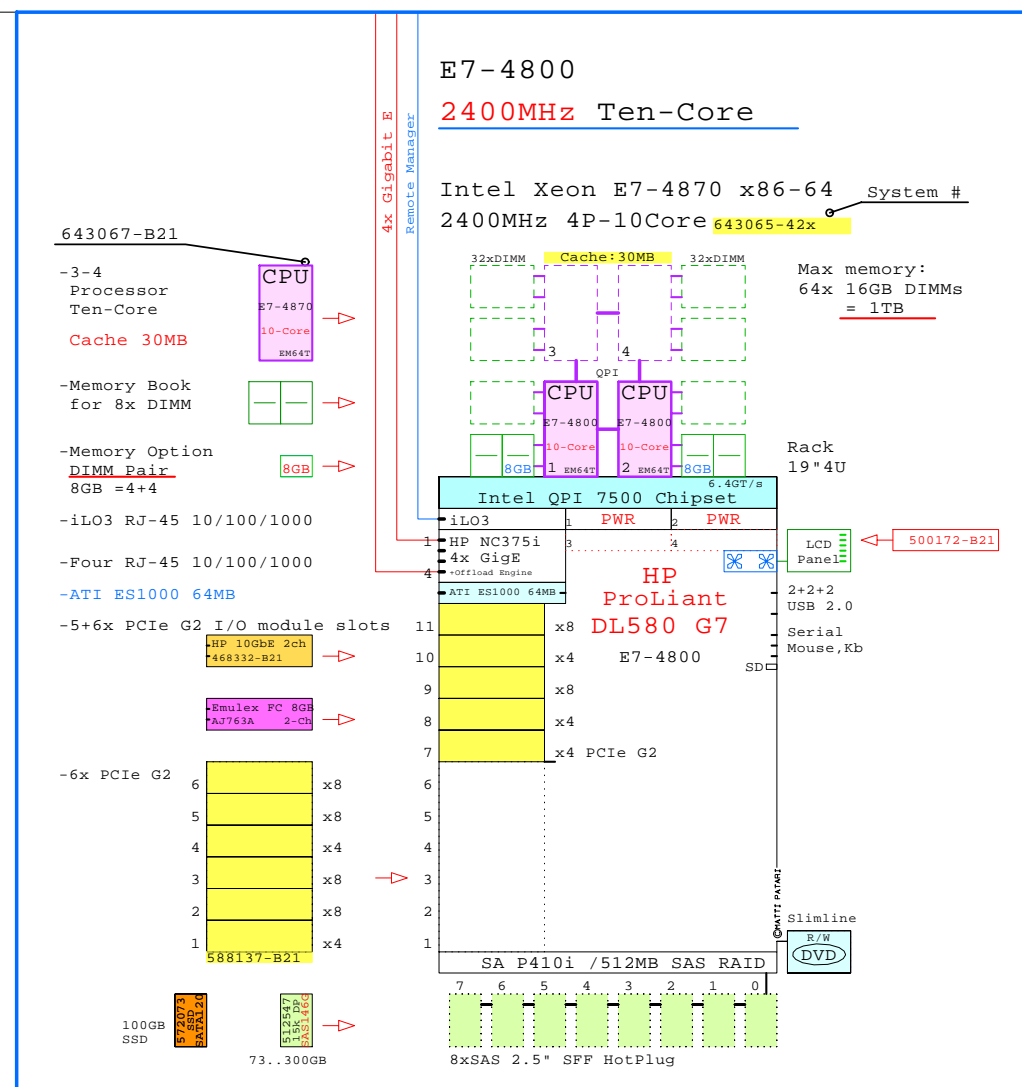
Part Number	Qty	Description
468332-B21	1	HP NC522SFP 10GbE DualPort NIC
500172-B21	2	DL580 G7 second power supply WW
500666-x2	32	HP 32GB Memory 2x16GB, 2x 500666-B21
512547-B21	5	HP 146GB 6G 15k 2.5" SAS DualPort HDD
572073-B21	3	HP 120GB SATA 3G SSD hot-plug disk 2.5"
588141-B21	6	HP Memory Expansion Book DL580-G7
643065-42x	1	DL580 G7 4P 10-C E7-4870 30MB 16GB 4U
643067-B21	2	HP Xeon E7-4870 10-Core 2.4GHz 30MB Proc
AJ763A	2	HP Emulex FC 8Gb 2-ch PCIe HBA

Tip for detail printing:  
- Zoom in area of interest  
- Print, Print Current View

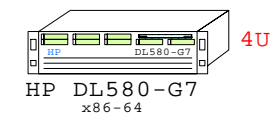
HP DL580-G7 Intel Ten-Core E7-4800 4P/4U

E7-4800  
2400MHz Ten-Core

Intel Xeon E7-4870 x86-64 System #  
2400MHz 4P-10Core 643065-42x



GE-link to this document: <http://www.goldeneggs.fi/documents/GE-HP-DL580G7-A.pdf>



MS Windows Server 2003 and 2008 R2  
LINUX: Red Hat, SuSE  
VMware Virtualization Software  
Hyper-V

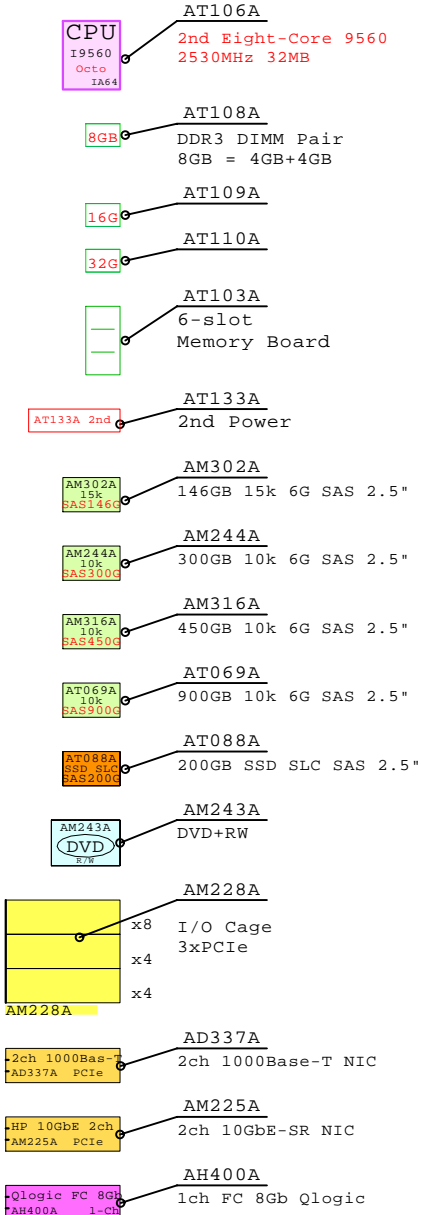
Golden Eggs Home:  
<http://www.goldeneggs.fi>

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GOLDEN EGGS Visuals™ Helsinki	11-Jun-2011	GE-HP-DL580G7-A 2
	Matti.Patari@Kolumbus.fi	
HP DL580-G7 4P/4U E7-4870 2400MHZ GOLDEN EGGS Visuals, Helsinki		

HP rx2800 i4  
Itanium 9500

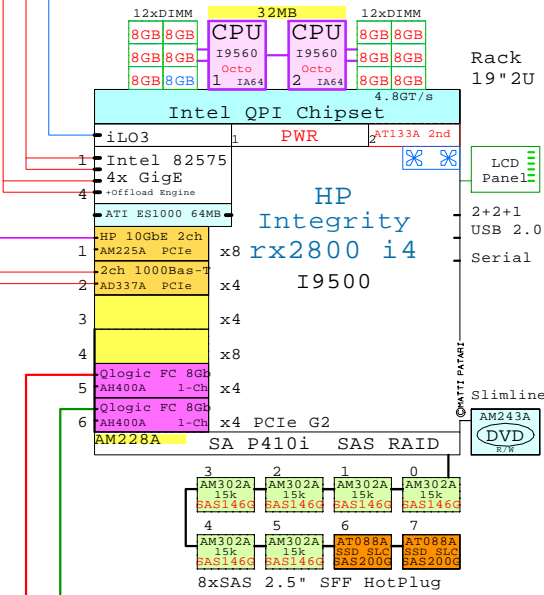
Internal Options:



AM227A Rack Kit rx2800i2

Two Sockets, 2U  
Example Configuration  
IA64

Intel Itanium 9560 IA64  
2530MHz 2P 8-Core AT101A-xyz



2x 8Gb Fibre Channel to external storage

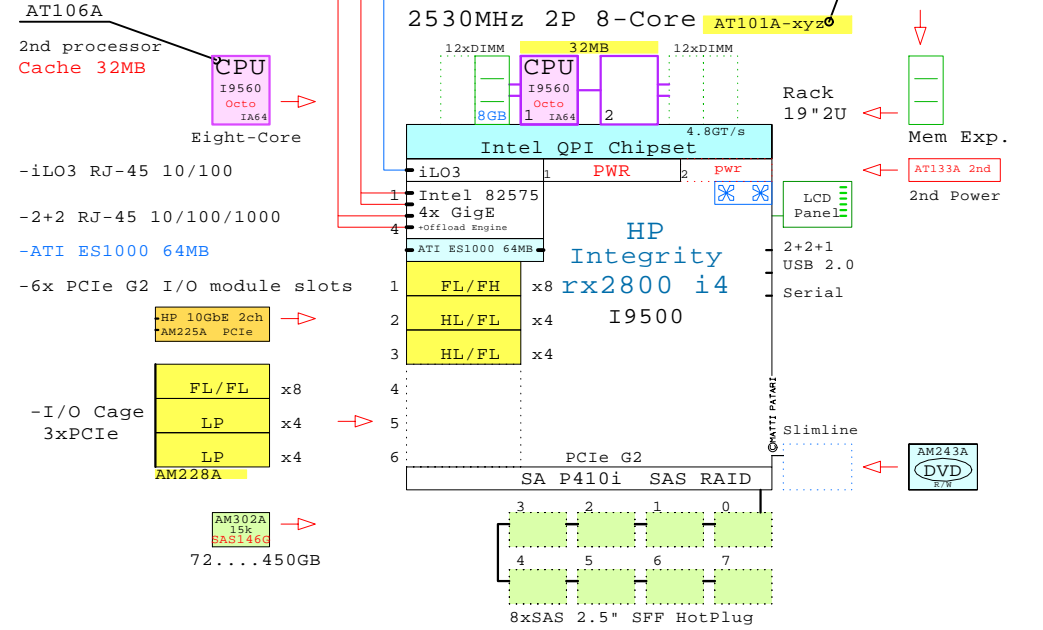
Parts list for the 2P Eight-Core HP rx2800 i4 system above

Part Number	Qty	Description
AD337A	1	HP PCIe 2-port 1000Base-T NIC
AH400A	2	HP 1-ch 8Gb FC HBA Qlogic
AM225A	1	HP Integrity 10GbE-SR 2ch PCIe NIC
AM228A	1	I/O cage 3PCIe slots for rx2800i2
AM243A	1	DVD-ROM read-write rx2800i2
AM302A	6	HP 146GB SAS 15000r disk 2.5" rx2800
AT088A	2	HP SSD 200GB 2.5" SAS SLC hot-plugin
AT101A-xyz	1	HP rx2800i4 2P 8-C 2530MHz-32MB 8GB No d
AT103A	3	HP rx2800 i4 6-slot Memory Exp Board
AT106A	1	Itanium 8C I9560-32MB 2.53GHz rx2800i4
AT108A	11	HP rx2800 i4 8GB(2x4GB)memory kit
AT133A	1	rx2800 i4 second power supply WW

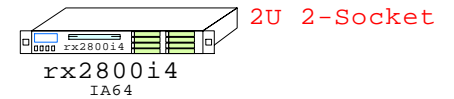
HP rx2800 i4 2P/2U

Paulson Itanium 9500  
2530MHz Eight-Core

Intel Itanium 9560 IA64  
2530MHz 2P 8-Core AT101A-xyz



Link to this document: <http://goldeneggs.spyderbyte.com/geggs/GERx2800a.pdf>



HP-UX  
OpenVMS v8.4  
Linux and Windows

IA64 Golden Eggs home:  
<http://goldeneggs.spyderbyte.com/>

x86-64 Golden Eggs Home:  
<http://www.goldeneggs.fi>

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GOLDEN EGGS Visuals™ Helsinki	07-Dec-2012	GERx2800b
		Matti.Patari@Kolumbus.Fi

HP Integrity rx2800 i4 Server  
GOLDEN EGGS Visuals, Helsinki

RX600 S6  
Xeon E7-4800

Internal Options:

- CPU** FUJI-4870  
E7-4870 3-4 10-Core E7-4870 2400MHz 30MB  
EM64T
- FUJI-MEMBOO**  
MemoryBook for 8x DIMM
- FUJI-8GB**  
Pair of DDR3-SDRAM 2x 4GB
- FUJI-16GB**  
2x 8GB
- FUJI-32GB**  
2x 16GB
- FUJI-1-PWR**  
3-4 Power Need Two
- FUJI-36GB**  
36GB 15k SAS 2.5"
- FUJI-73GB**  
73GB 15k SAS 2.5"
- FUJI-146GB**  
146GB 10k SAS 2.5"
- FUJI-DAT**  
Dat Tape
- FUJI-10GE**  
Qlogic 10Gb CNA HBA
- FUJI-FC2**  
Emulex FC 4Gb 2-ch

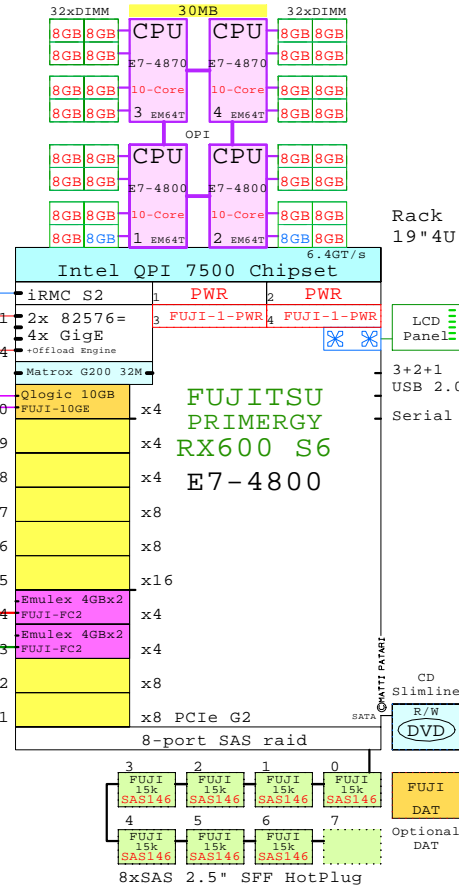
MS Windows Server 2003 and 2008  
LINUX: Red Hat, SuSE  
VMware Virtualization Software

Tip for detail printing:  
- Zoom in area of interest  
- Print, Print Current View

2x 10-Gigabit Remote Manager  
4x Gigabit E  
2x 4Gb Fibre Channel to external storage

Example Configuration  
x86-64

Intel Xeon E7-4870 x86-64  
2400MHz 4P-10Core FUJI-RX600-S6

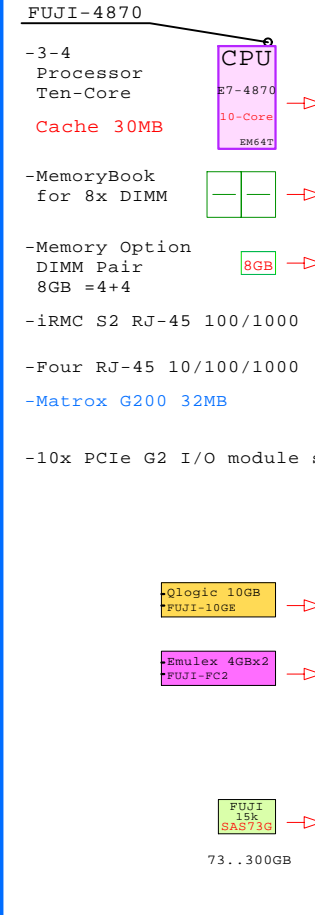


Parts list for the 4P 10-Core Fujitsu RX600 S6

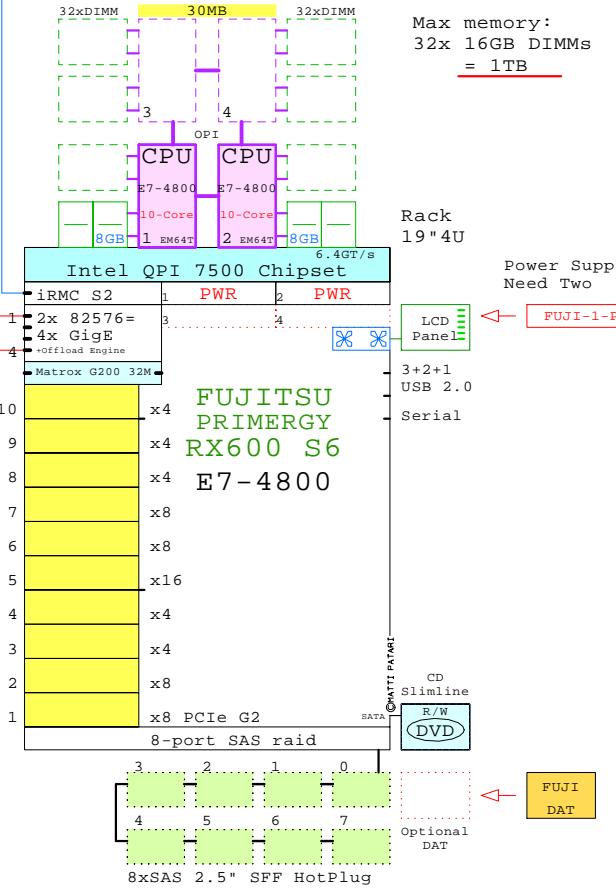
Part Number	Qty	Description
FUJI-1-PWR	2	FUJI RXxxx Power Supply, need 2x
FUJI-10GE	1	FUJI Intel 2x 10GbE server adapter
FUJI-146GB	7	Fuji 146GB SAS 15000r HotPlug 2.5" disk
FUJI-4870	2	FUJI Xeon E7-4870 10-Core 2.4GHz 30MB Pr
FUJI-8GB	30	Fuji 8GB Memory 2x4GB RX600 S4
FUJI-DAT	1	Fujitsu SATA DAT Tape Drive
FUJI-FC2	2	FUJI Emulex FC 4Gb 2-ch PCIe HBA
FUJI-MEMBOO	6	Fujitsu Memory Expansion Book
FUJI-RX600S	1	Fuji RX600-S6 4P 10-C E7-4870 30MB 16GB

E7-4800  
2400MHz Ten-Core

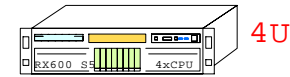
Intel Xeon E7-4870 x86-64 System #  
2400MHz 4P-10Core FUJI-RX600-S6



4x Gigabit E Remote Manager



GE-link to this document: <http://www.goldeneggs.fi/documents/GE-FUJI-RX600S6-A.pdf>



RX600 S5  
x86-64  
Golden Eggs Home:  
<http://www.goldeneggs.fi>

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GOLDEN EGGS Visuals™ Helsinki	30-Jan-2012	GE-FUJI-RX600S6-A Matti.Patari@Kolumbus.fi
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FUJITSU RX600 S6 4P E7-4870 2.4GH  
GOLDEN EGGS Visuals, Helsinki

FUJITSU RX600 S6 Intel Ten-Core E7-4800 4P/4U

# Cisco UCS Blade Chassis and Server Nodes, x86

Link to this document: <http://www.goldeneggs.fi/documents/GE-CISCO-BLADE-A.pdf>

Happy New Year 2013.



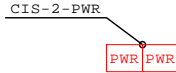
UCS 6200  
Fabric Interconnect

## Chassis Options:

### Fabric Extenders

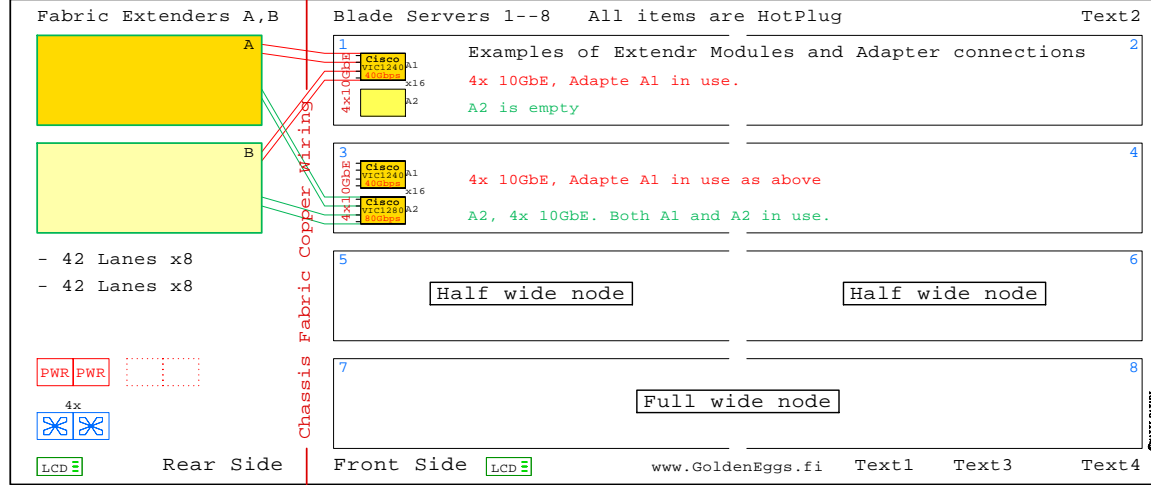
UCS 2208XP  
Fabric Extender 80Gbps  
Eight Ports Up  
8x4 ports 10GE FCoE  
CIS-2208XP

UCS 2204XP  
Fabric Extender 40Gbps  
Four Ports Up  
8x2 ports 10GE FCoE  
CIS-2204XP



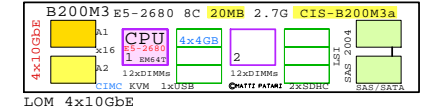
## CISCO UCS 5108 Blade Server Chassis: Rack 19", 6U

CISCO-UCS-5108

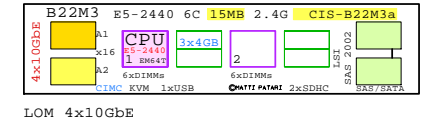


## Server Nodes, Half Wide, 2P

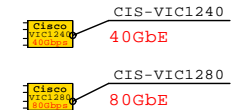
### B200-M3



### B22-M3



## Server I/O Adapters



## Server Node Options:

CIS-E52440  
CPU E5-2440

CIS-E52680  
CPU E5-2680

CIS-E54650  
CPU E5-4650

CIS-M3X4GB  
3x4GB

CIS-M3X8GB  
3x8GB

CIS-M3X16G  
3x16G

CIS-M4X4GB  
4x4GB

CIS-M4X8GB  
4x8GB

CIS-M4X16G  
4x16G

CIS-M4X32G  
4x32G

CIS-146G-25  
Cisco 146GB 15k HDD 2.5"

CIS-300G-25  
Cisco 300GB 15k HDD 2.5"

CIS-900G-25  
Cisco 900GB 10k HDD 2.5"

CIS-100G-25  
Cisco 100GB 10k SSD 2.5"

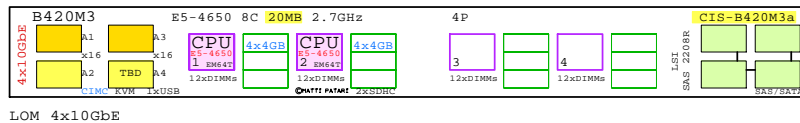
CIS-200G-25  
Cisco 200GB 10k SSD 2.5"

CIS-200G-25  
Cisco 200GB 10k SSD 2.5"

CIS-200G-25  
Cisco 200GB 10k SSD 2.5"

## Server Nodes, Full Wide, 4P

### B420-M3

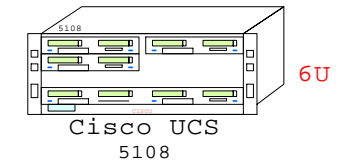


## Chassis Options and Compute Nodes on this page

Part Number	Qty	Description
CIS-2-PWR	1	Cisco UCS Blade System 2x Power Supply
CIS-2204XP	1	Cisco UCS 2204XP Blade Fabric Extender
CIS-2208XP	1	Cisco UCS 2208XP Blade Fabric Extender
CIS-B200M3a	1	Cisco UCS B200M3 2P 8C E5-2680-20MB 16G
CIS-B22M3a	1	Cisco UCS B22M3 2P 6C E5-2440-15MB 12G 4
CIS-B420M3a	1	Cisco UCS B440M3 4P 8C E5-4650-20MB 32G
CIS-C5108A	1	Cisco UCS 5108 Blade Server Chassis 6U
CIS-VIC1240	1	Cisco UCS VIC 1240 Virtual Interf. Card
CIS-VIC1280	1	Cisco UCS VIC 1280 Virtual Interf. Card

Half wide server

Full wide server



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		Matti.Patari@Kolumbus.Fi

10-Jan-2013



# IBM Blade Flex Systems Chassis and Compute Nodes, x86 and Power7

Link to this document: <http://www.goldeneggs.fi/documents/GE-IBM-BLADE-A.pdf>

## Chassis Options:

### 2nd Manager Module

Chassis Mngt. Module	
RJ45 Ethernet	CMM
Serial	
USB	IBM-68Y7030

### Ethernet

#### I/O Modules, #1-#4

IBM CN4093	10GbE Scal CN Switch	10x <---> 14x	Scale:14,28,42	IBM-00D5823
------------	----------------------	---------------	----------------	-------------

IBM EN4093	10GbE Scalable Switch	10x <---> 14x	Scale:14,28,42	IBM-49Y4270
------------	-----------------------	---------------	----------------	-------------

IBM EN2092	1GbE Scalable Switch	10x <---> 14x	Scale:14,28	IBM-49Y4294
------------	----------------------	---------------	-------------	-------------

IBM EN4091	10GbE Pass-thru	14x <---> 14x	Support on 1GbE	IBM-88Y6043
------------	-----------------	---------------	-----------------	-------------

### Fibre Channel

#### I/O Modules, #3-#4

IBM FC3171	FC SAN 8Gb Switch	6x <---> 14x	IBM	IBM-69Y1930
------------	-------------------	--------------	-----	-------------

IBM FC5022	FC SAN 16Gb Scal-Swit	20x <---> 28x	Brocade	IBM-88Y6374
------------	-----------------------	---------------	---------	-------------

IBM FC3171	FC SAN 8Gb Pass-thru	6x <---> 14x	IBM	IBM-69Y1934
------------	----------------------	--------------	-----	-------------

### Infiniband

#### I/O Modules, #3-#4

IBM IB6131	InfiniBand Switch	18xQDR <---> 14x	FDR upgrade available	IBM-90Y3450
------------	-------------------	------------------	-----------------------	-------------

## Node I/O Adapters

IBM-90Y3554	CN4054 Emulex	10GbE
-------------	---------------	-------

IBM-49Y7900	EN2024 Broadcom	1GbE
-------------	-----------------	------

IBM-90Y3554	CN4054 Emulex	10GbE
-------------	---------------	-------

IBM-90Y3466	EN4132 Mellanox	10GbE
-------------	-----------------	-------

IBM-49Y7900	EN2024 Broadcom	1GbE
-------------	-----------------	------

10GbE	
1GbE	

IBM-95Y2375	FC3052 Emulex	FC8
-------------	---------------	-----

IBM-69Y1938	FC3172 Qlogic	FC8
-------------	---------------	-----

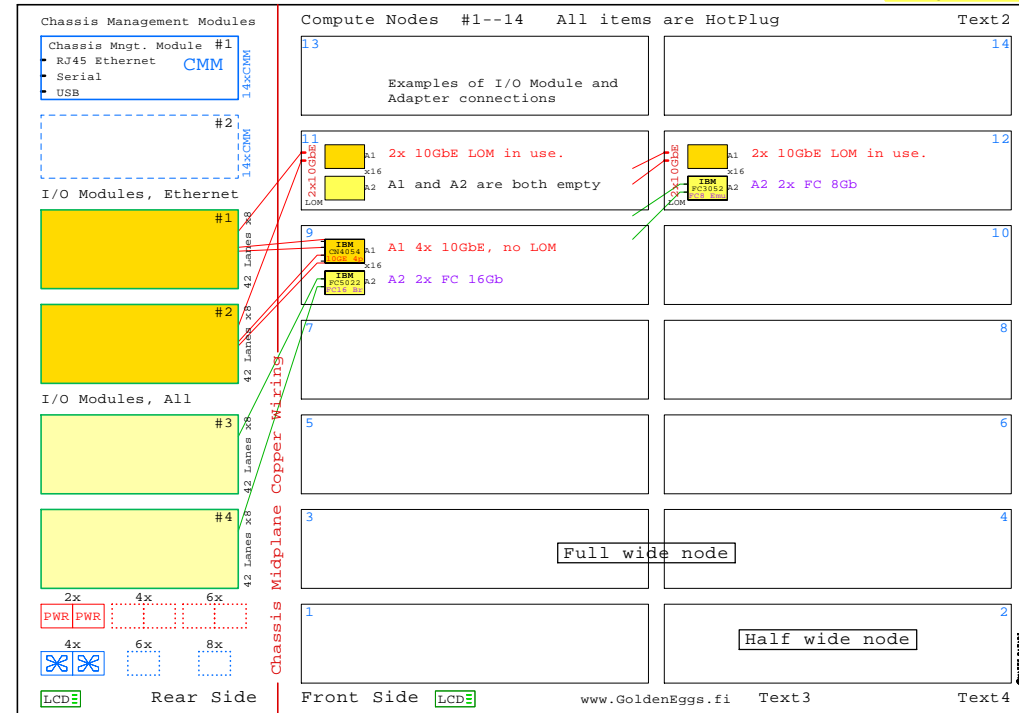
IBM-88Y6370	FC5022 Brocade	FC16
-------------	----------------	------

FC8	
-----	--

IBM-90Y3454	IB6132 Mellanox	IB
-------------	-----------------	----

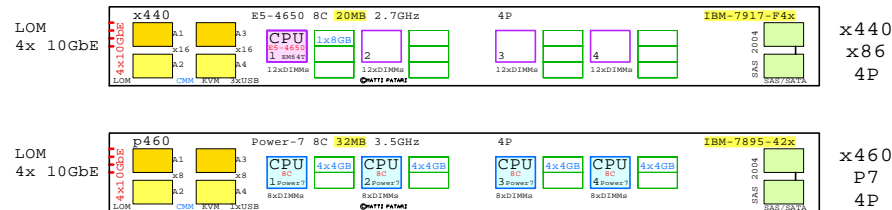
## IBM Flex System Enterprise Chassis: Rack 19",10U

IBM-8721-A1x



IBM-43W9049	One Power Supply
IBM-43W9078	Fan Pair

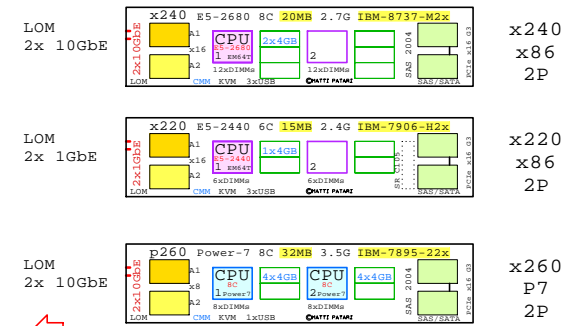
## Compute Nodes, Full Wide, 4P



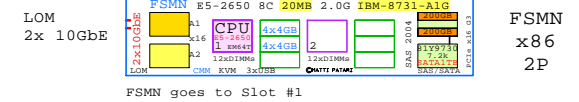
## Chassis and Compute Nodes on this page

Part Number	Qty	Description
IB-68Y8588	1	IBM Flex Storage Expansion Node BL
IB-7895-22x	1	IBM Flex p260 2P 8C Power7 32MB 32G 2x10
IB-7895-42x	1	IBM Flex p460 4P 8C Power-7 32MB 64G 4x1
IB-7906-H2x	1	IBM Flex x220 2P 6C E5-2440-15MB 4G 1x1G
IB-7917-F4x	1	IBM Flex x440 4P 8C E5-4650-20MB 8G 4x10
IB-81Y8983	1	IBM Flex PCIe 2.0 Expansion Node BL
IB-8721-A1x	1	IBM Flex System Enterprise Chassis 10U 1
IB-8731-A1G	1	IBM Flex FSMN 2P 8C E5-2650-20MB 8G 2x10
IB-8737-M2x	1	IBM Flex x240 2P 8C E5-2680-20MB 8G 2x10

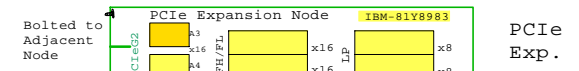
## Compute Nodes, Half Wide, 2P



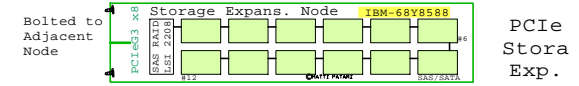
## Manager Node, Half Wide, 2P



## PCIe 2.0 Expansion Node



## Storage Expansion Node



## Compute Node Options:

CPU E5-2440	IBM-90Y4796	E5-2440
-------------	-------------	---------

CPU E5-2680	IBM-81Y5188	E5-2680
-------------	-------------	---------

CPU E5-4650	IBM-90Y9072	E5-4650
-------------	-------------	---------

4x4GB	IBM-M4X4GB	
-------	------------	--

4x8GB	IBM-M4X8GB	
-------	------------	--

4x16GB	IBM-M4X16GB	
--------	-------------	--

4x32GB	IBM-M4X32GB	
--------	-------------	--

M5115 8x SATA	IBM-90Y4390	M5115 For AI
---------------	-------------	--------------

H1135 SAS 2004	IBM-90Y4750	
----------------	-------------	--

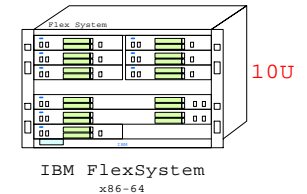
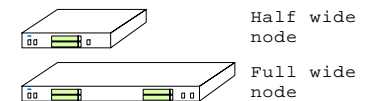
81Y9674 300GB 15k HDD 2.5"	IBM-81Y9670	
----------------------------	-------------	--

IBM-43W7718 200GB SSD 2.5"	IBM-43W7718	
----------------------------	-------------	--

IBM-43W7746 200GB SSD 1.8"	IBM-43W7746	
----------------------------	-------------	--

Kit 8x SSD	IBM-8X-SSD	8x SSD cable kit used with M5115
------------	------------	----------------------------------

IBM 94Y5960 Tesla M2093	IBM-94Y5960	Tesla N2093 Nvidia
-------------------------	-------------	--------------------



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		Matti.Patari@Kolumbus.Fi

IBM Blade Flex System GoldenEggs GOLDEN EGGS Visuals, Helsinki

# DELL PowerEdge Blade Servers and M1000e Enclosure, Intel

Link to this document: <http://www.goldeneggs.fi/documents/GE-DELL-BLADE-A.pdf>

## Enclosure Options

### 2nd Management Module

iDRAC CMC Mngt. Controller Ser. DELL-BL-CMC
---

### Ethernet I/O modules, A-C

Ethernet I/O Modules	Blade I/O Adapters
<b>DELL F10 MXL</b> 10/40 GbE 56 10GbE Port xxxxxx DELL-F10MXL	DELL-57810S 57810S BroadCom 10GbE
<b>DELL M8024-k</b> 10GbE 24 Ports bbbbbb DELL-M8024-k	DELL-X520-k X520-k Intel 10GbE
<b>DELL M6348</b> 1 GbE 48 Ports yyyyyy DELL-M6348	DELL-BC5719 5719 BroadCom 1GbE
<b>DELL EPASS-k</b> 1/10 GbE 16 Port Pass-Thr Copper DELL-EPASS-k	

### Fibre Channel I/O Modules, B-C

<b>DELL M5424</b> FC8 SAN Switch Brocade 8/16 DELL-M5424	DELL-FC8-E LPel205 Emulex FC8
<b>DELL M4424</b> FC4 SAN Switch Brocade 8/16 DELL-M4424	DELL-FC8-Q QME2572 Qlogic FC4

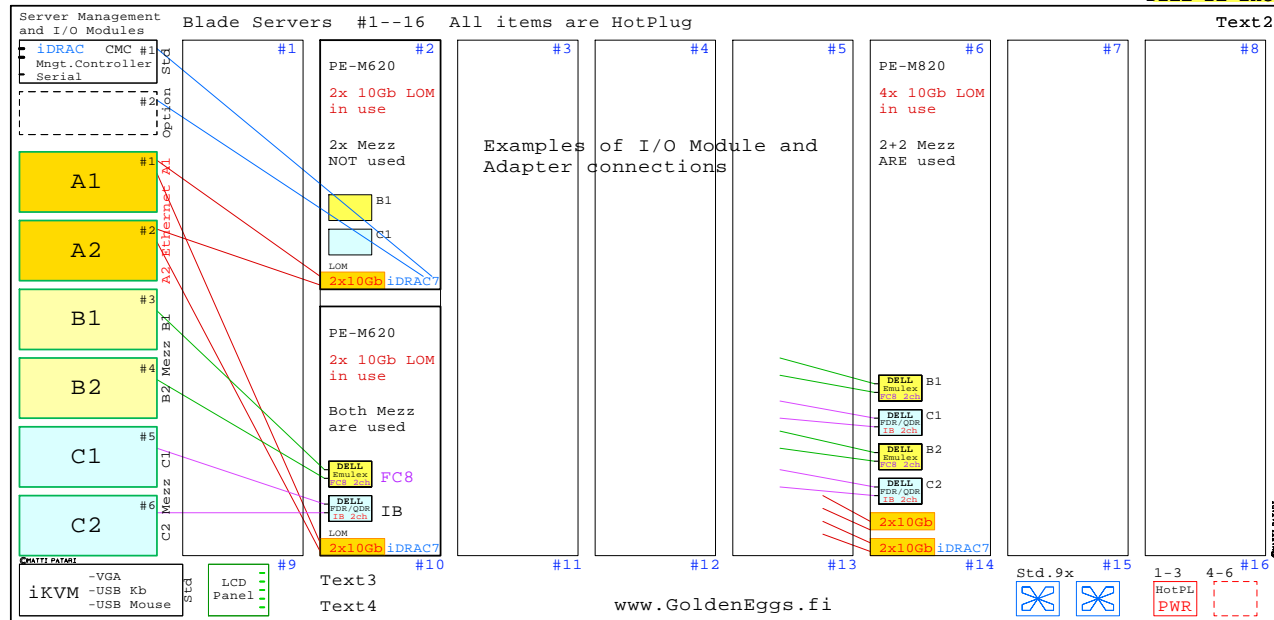
### Infiniband I/O Modules, B-C

<b>DELL M2401G</b> IB Switch Mellanox FDR/QDR DELL-M2401G	DELL-IB-FDR xxxxxx Mellanox IB
<b>DELL M3601Q</b> IB Switch Mellanox QDR/DDR DELL-M3601Q	DELL-IB-QDR xxxxxx Mellanox IB

### Kitt of 3x Power Supplies

HotPL  
PWR

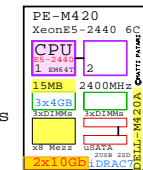
## DELL PowerEdge M1000e Blade Enclosure: Rack 19", 10U



## Blade Server Options

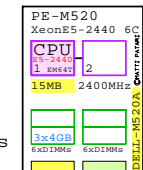
CPU E5-2440 E5647	DELL-E2440
CPU E5-2680 E5647	DELL-E2680
CPU E5-4650 E5647	DELL-E4650
3x8GB	DELL-M3X8GB
3x16GB	DELL-M3X16GB
4x8GB	DELL-M4X8GB
4x16GB	DELL-M4X16GB
DELL148 150 SAS16GB	DELL-146GB
DELL600 300 SAS60GB	DELL-600GB
DELL200 800 SAS200GB	DELL-200GB
DELL400 800 SAS400GB	DELL-400GB
DELL350 800 SAS350GB	DELL-350GB

### M420/2400



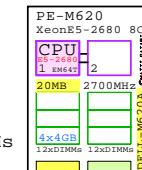
Quarter High Blade

### M520/2400

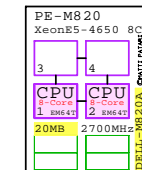


Half High Blade

### M620/2600



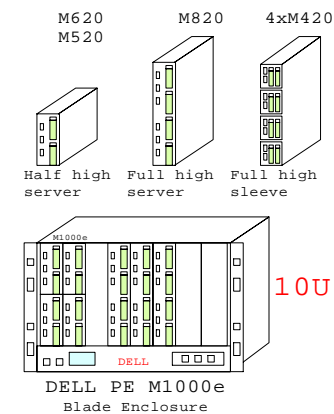
### M820/4600



Full High Blade

Four CPUs  
48x DIMMs  
Four Disk  
2+2 Mezz  
2+2 LOMs

1+3xUSB  
2xSD  
PCIe 3.0  
iDRAC7



Enclosure and Server Blades on this page.

Part Number	Qty	Description
DELL-BL-Enc	1	Dell Blade M1000e Enclosure 8/16x 10U
DELL-M420A	1	DELL M420 1x E5-2440 6C 2P 2.4GH-15MB 12
DELL-M520A	1	DELL M520 1x E5-2440 6C 2P 2.4GH-15MB 12
DELL-M620A	1	DELL M620 1x E5-2680 8C 2P 2.7GH-20MB 16
DELL-M820A	1	DELL M820 2x E5-4650 8C 4P 2.7GH-20MB 32

GoldenEggs Home:  
<http://www.goldeneggs.fi>

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GOLDEN EGGS Visuals™ Helsinki	10-Dec-2012	GE-DELL-BLADE-A
		Matti.Patari@Kolumbus.Fi

Dell Blade Server M1000e Family  
GOLDEN EGGS Visuals, Helsinki

# HP ProLiant Moonshot 1500 low wattage system

Link to this document: <http://www.goldeneggs.fi/documents/GE-HP-MOONSHOT-A.pdf>

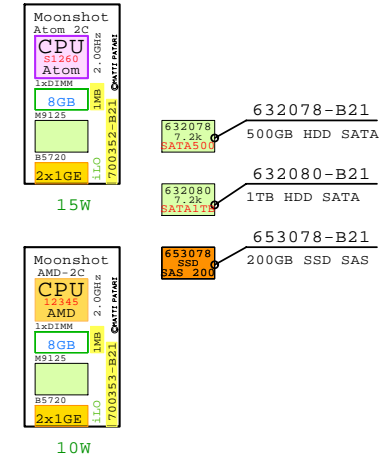
## HP ProLiant Moonshot 1500 Server Chassis, Rack 19" 5U

700350-B21



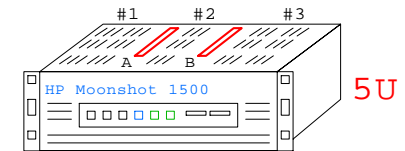
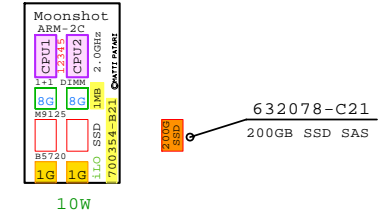
## Server Cartridges

### Single Node Options



### Dual Node

Two independent nodes



HP Moonshot Linux

This system of 45x Atom servers

Part Number	Qty	Description
632078-B21	45	HP 500GB 6G 7.2k 2.5" SATA HDD
700350-B21	1	HP Moonshot 1500 Chassis
700352-B21	45	HP Moonshot Atom S1260-2C 2GHz 8GB No Di
704644-B21	2	HP Moonshot 45G Switch Module Kit
704646-B21	2	HP Moonshot 6SFP Uplink Module Kit

Golden Eggs Home:

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GOLDEN EGGS Visuals™ Helsinki	18-Apr-2013	GE-HP-MOONSHOT-A1
		Matti.Patari@Kolumbus.Fi

HP Moonshot 1500 low wattage sys.  
GOLDEN EGGS Visuals, Helsinki

# Welcome to GoldenEggs x86 Visual Configurations

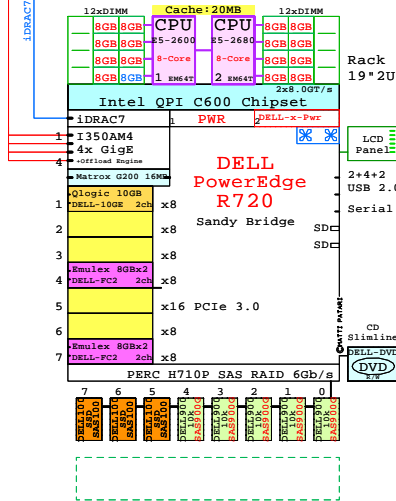
<http://www.goldeneggs.fi>

A picture is worth of one thousand words.  
It talks all Global languages.

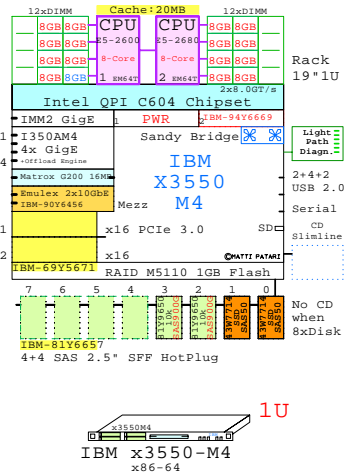
x86-64 servers: **Dell** **IBM** **HP** **Fujitsu** **SUN** **Acer** **Lenovo** and **Cisco**

4x Gigabit E  
iDRAC7 Remote Manager

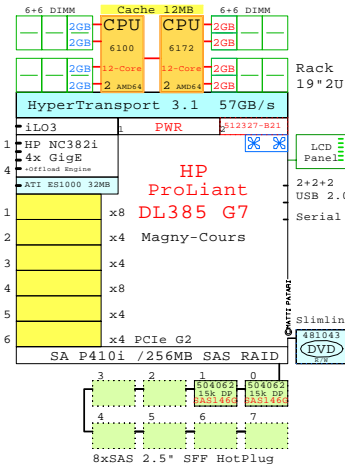
Intel Xeon E5-2680 x86-64  
2700MHz 2P 8-Core **DELL-R720-A**



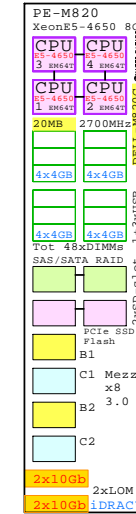
Intel Xeon E5-2680 x86-64  
2700MHz 2P 8-Core **IBM-7914-L2x**



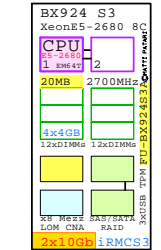
AMD Opteron 6172 x86-64  
2100MHz 2P 12-Core **573088-421 EU**



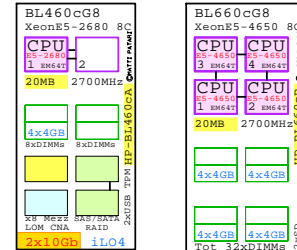
## Dell Blades



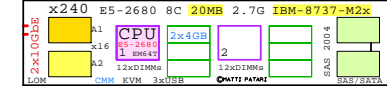
## Fujitsu



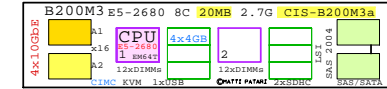
## HP Blades



## IBM Blades



## Cisco Blades



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To keep this service running,  
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Helsinki Finland

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GE-links to x86 COMPARE Pictures:

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<http://www.goldeneggs.fi/documents/GE-COMPARE-TOWER-A.pdf>

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GE-links to GE 25 Year-Book

New <http://www.goldeneggs.fi/documents/GE-25-YEAR-BOOK.pdf>

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Welcome to Visual Configurations  
GOLDEN EGGS Visuals, Helsinki

GE-Welcome1