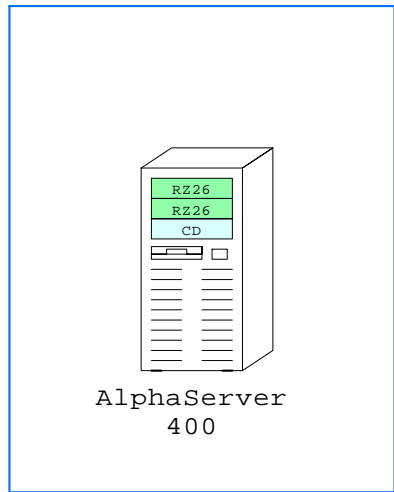


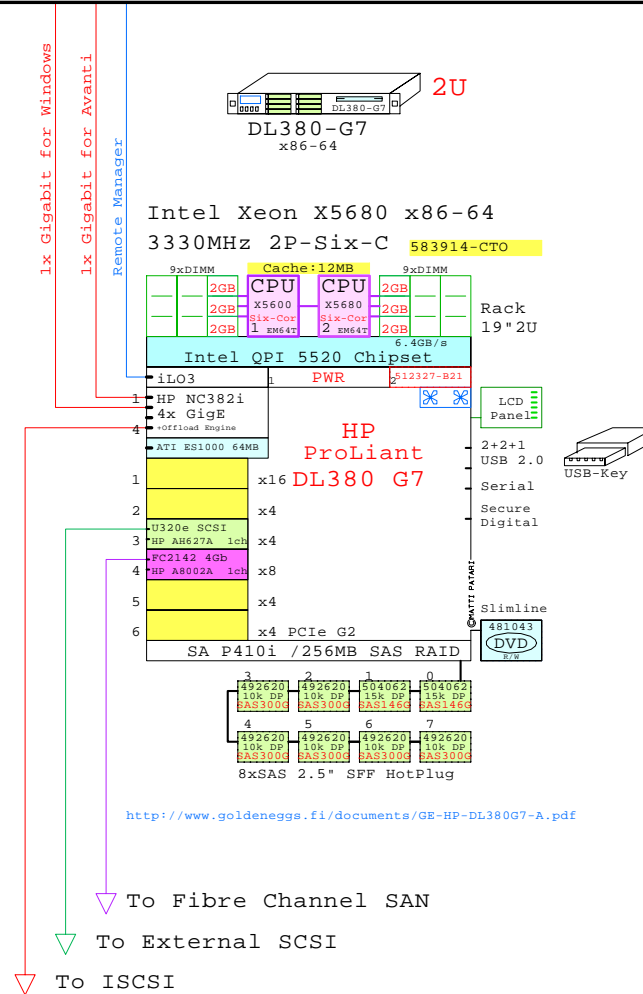
# Avanti on HP ProLiant DL380-G7

[www.MigrationSpecialties.com](http://www.MigrationSpecialties.com)

Continuity in Computing



Replaced by



<http://h18000.www1.hp.com/info/GEA041/GEA041PF.PDF>

<http://www.goldeneggs.fi/documents/GE-HP-DL380G7-A.pdf>

Host Operating System	Windows 2003 64 Bit Windows 2008 64 Bit
Alpha Operating System	Tru64 Unix OpenVMS
Hardware Emulator	Avanti
Implementation & Support	<a href="http://www.MigrationSpecialties.com">www.MigrationSpecialties.com</a>

	Part Number	Qty	Description
1	583914-CTO	1	HP DL380-G7 2P I 6C X5680-12MB 0GB 2U
1.1	481043-B21	1	HP CD-RW/DVD-ROM Option kit, slimline
1.2	492620-B21	6	HP 300GB 3G 10k 2.5" SAS DualPort HDD
1.3	500656-B21	6	HP 2GB 2Rx8 PC3-10600R-9 kit 1x2GB
1.4	504062-B21	2	HP 146GB 3G 15k 2.5" SAS DualPort HDD
1.5	512327-B21	1	DL380 G6 second power supply WW
1.6	587498-B21	1	Xeon 6C X5680-12MB 3.33GHz for DL380G7
1.7	A8002A	1	HP StorageWorks 1-ch FC2142 4Gb PCI-e HB
1.8	AH627A	1	HP U320e SCSI Bus Adapter

ART-team:  
Bruce  
Matti

GE-link to this document:

<http://www.goldeneggs.fi/documents/GE-VIRTUAL-AVANTI-A.pdf>

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

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GOLDEN EGGS Visuals™ Helsinki	22-Jun-2011	GE-VIRTUAL-AVANTI-A Matti.Patari@Kolumbus.Fi
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Avanti on HP ProLiant DL380-G7 12GB Memory 3.33GHz

Avanti on HP DL380-G7  
GOLDEN EGGS Visuals, Helsinki

# Migration Specialties International, Inc.

217 West 2<sup>nd</sup> Street, Florence, CO 81226-1403

+1 719-784-9196, Fax: +1 888-854-3417

E-mail: [Info@MigrationSpecialties.com](mailto:Info@MigrationSpecialties.com)

[www.MigrationSpecialties.com](http://www.MigrationSpecialties.com)



## Continuity in Computing

# Virtual Alpha Solutions

14-JUN-2011

Eliminating legacy hardware without impacting the software it supports is the easiest way to port old software to new hardware. **FreeAXP™**, **Avanti™**, and **AvantiFlex™** virtualize legacy Alpha hardware running **OpenVMS** or **Tru64 Unix** quickly and easily. FreeAXP is a free product that provides a light weight solution for non-critical Alpha hardware. Avanti and AvantiFlex are commercial virtual Alpha solutions supplying more power and features to support critical Alpha applications.



## ALPHA VIRTUALIZATION ADVANTAGES

Replacing an Alpha system with a virtual Alpha is like upgrading hardware in place. It supplies new hardware while retaining important software intact and unmodified, providing the following benefits:

- Virtualization of Alpha hardware.
- Quick deployment. Three to five day implementations in most cases.
- New hardware, improving reliability, performance, and energy efficiency.
- Supported under VMware, VirtualBox, and other virtual environments.
- Improved integrations with Microsoft Windows operating environments.
- Lower operating costs with a smaller data center footprint.
- Binary compatibility: no software migration, re-engineering, or source code required.
- Continued leveraging of vested employee knowledge; no user retraining.

Virtual Alpha Comparison	FreeAXP	Avanti Flex	Avanti
<b>OpenVMS</b> Min Ver: 6.2	✓	✓	✓
<b>Tru64 Unix</b> Min Ver: 3.2C	✓	✓	✓
<b>CPU</b>	EV4	EV4	EV4
<b>Maximum Memory<sup>1</sup></b>	128MB	≤ 3GB	3GB
<b>Performance<sup>2</sup></b> - CPU - Disk I/O - DECnet - TCP/IP	100%	≤ 184%	184%
<b>Disks</b>	7	≤ 45	45
<b>NIC</b>	2	≤ 3	3
<b>Virtual/Physical Serial Ports</b>	2/0	2/≤ 2	2/2
<b>Single Host / Multiple Alpha</b>	No	Yes	Yes
<b>Price</b>	Free!	Starting at \$500US	\$5,500US
<b>Annual Support</b>	\$825US	\$825US	\$825US

<sup>1</sup>Tru64 installations are currently limited to 1GB of memory.

<sup>2</sup>Performance measured against AlphaServer 400/166, 384MB memory, 100Mb DE500 NIC, OpenVMS 7.3-2. Virtual Alpha hosted on dual-core Xeon 5150 2.66GHz, 4GB memory, 2 x 1Gb NIC, Windows 7, OpenVMS 7.3-2.

# Welcome to GoldenEggs Visual Configurations

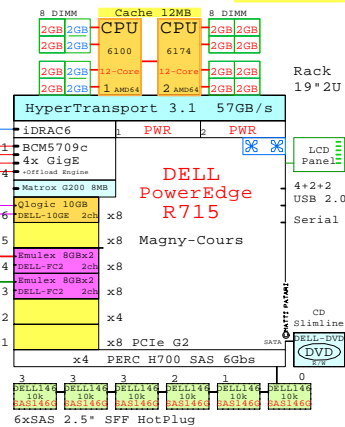
<http://www.goldeneggs.fi>

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**

AMD Opteron 6174 x86-64

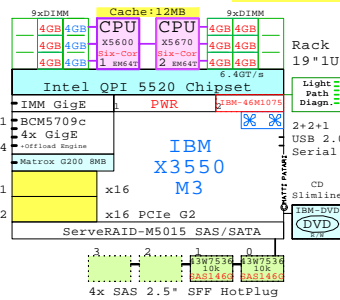
2200MHz 2P 12-Cor **DELL-R715-Axx**



2x 8Gb Fibre Channel to external storage

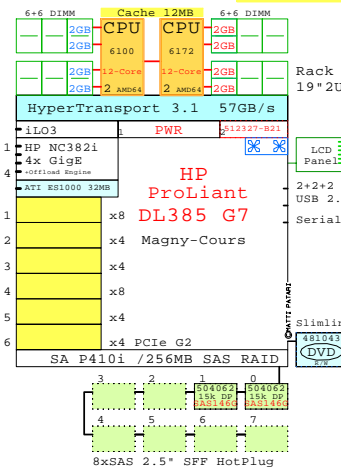
Intel Xeon X5670 x86-64

2930MHz 2P-Six-C **IBM-7944-M2x**



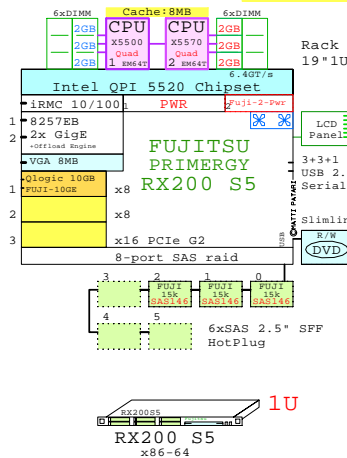
AMD Opteron 6172 x86-64

2100MHz 2P 12-Cor **573088-421 EU**



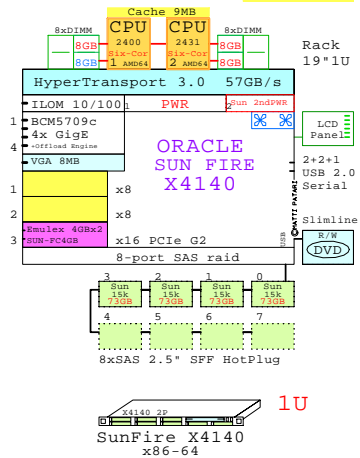
Intel Xeon X5570 x86-64

2930MHz 2P-Quad **FUJII-RX200S5A**



AMD Opteron 2431 x86-64

2400MHz 2P Six-C **SUN-X4140-B**



The present GoldenEggs multi vendor x86-64 website.

<http://www.goldeneggs.fi>

Older GoldenEggs are still available at:

DEC/Compaq/HP: VAX, Alpha, Storage and ProLiant Servers.

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

OpenVMS.org: Alpha, Storage, ProLiant and Itanium Servers

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

Matti.Patari@Kolumbus.Fi Helsinki,Finland

Your comments,improvements,are welcome.

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- <http://www.goldeneggs.fi/documents/GE-COMPARE-4P-4U-A.pdf>
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- <http://www.goldeneggs.fi/documents/GE-COMPARE-TOWER-A.pdf>

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GE-Welcome1