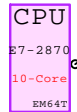




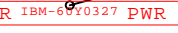










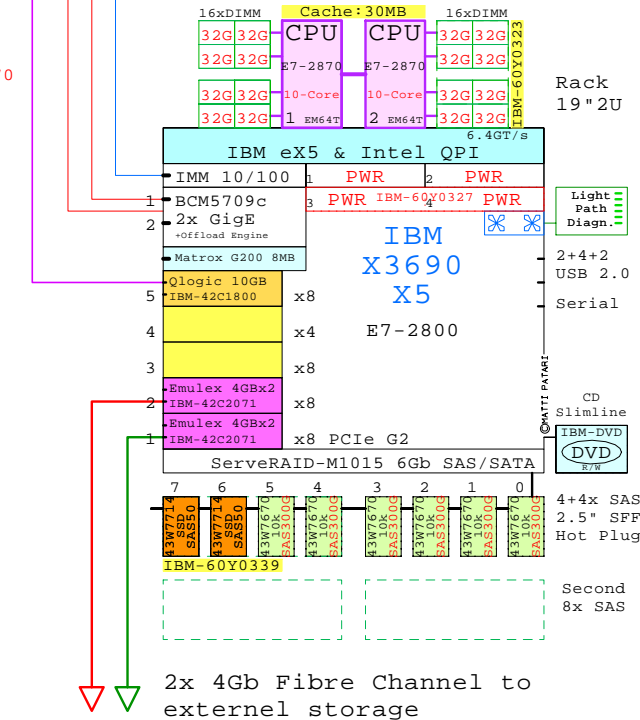
IBM x3690-X5  
Xeon E7-2800

Internal Options:

-  CPU IBM-88Y5663  
E7-2870  
10-Core  
EM64T  
2nd 10-Core E7-2870  
2400MHz 30MB
-  MemoryCard for 16xDIMM IBM-60Y0323
-  2x IBM-46C7448  
Pair of DDR3-SDRAM  
2x 4GB
-  2x IBM-46C7482  
2x 8GB
-  2x IBM-46C7483  
2x 16GB
-  IBM-60Y0327  
One kit, 3rd and 4th PowerSupplies
-  IBM-43W7536  
146GB 10k SAS 2.5"
-  IBM-43W7670  
300GB 10k SAS 2.5"
-  IBM-42D0707  
500GB 7.2k SAS 2.5"
-  IBM-43W7714  
50GB SSD SAS 2.5"
-  IBM-46M0902  
SATA CD-RW/DVD
-  IBM-49Y4200  
Emulex 10GbE 2-ch
-  IBM-42C1800  
Qlogic 10Gb CNA HBA
-  IBM-42C2071  
Emulex FC 4Gb 2-ch
-  IBM-42D0510  
Qlogic FC 8Gb 2-ch

Example Configuration  
x86-64

Intel Xeon E7-2870 x86-64  
2400MHz 2P-10Core IBM-7147-A7U



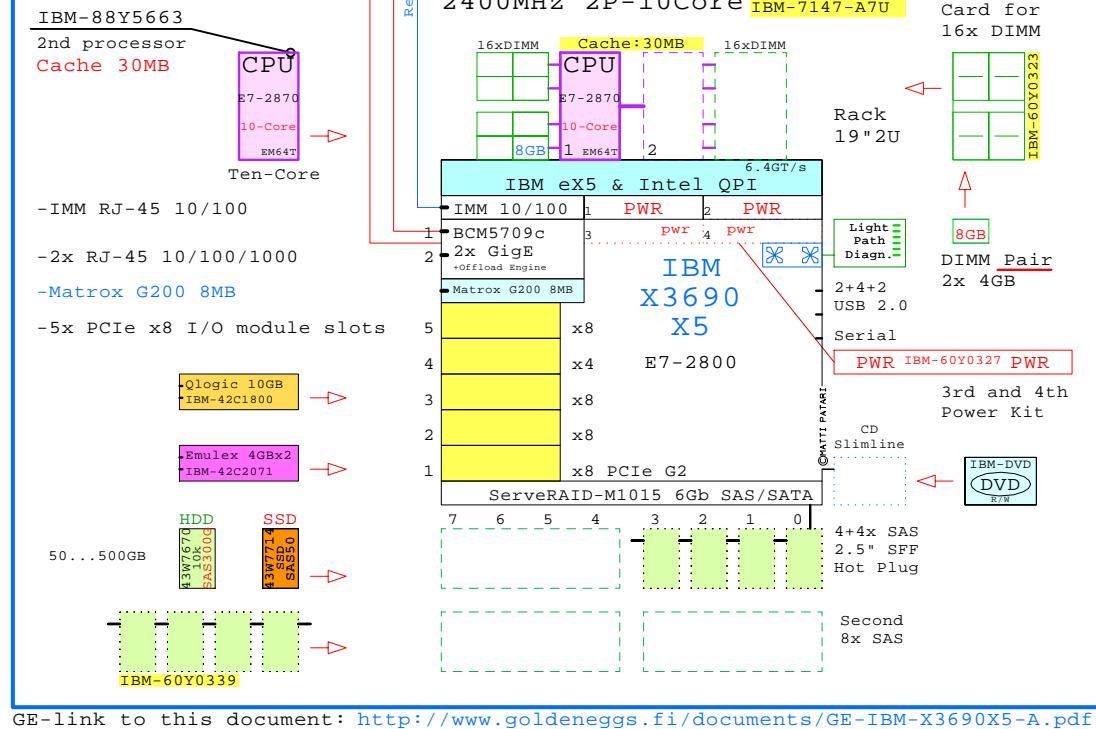
Parts list for the 2P Ten-Core IBM x3690-X5 system above

Part Number	Qty	Description
1	1	IB-7147-A7U 1 IBM x3690 X5 2P 10-C E7-2870 30MB 0GB 2U
1.1	1	IBM-42C1800 1 IBM Qlogic 10Gb CNA server adapter
1.2	2	IBM-42C2071 2 IBM Emulex FC 4Gb 2-ch PCIe HBA
1.3	4	IBM-43W7670 4 IBM 300GB SAS 10000r hot-plug disk 2.5"
1.4	8	IBM-46C7483 8 IBM 32GB 2x16GB DDR3 RDIMM x3850X5
1.5	1	IBM-46M0902 1 IBM CD-RW/DVD-ROM Option kit, slimline
1.6	1	IBM-60Y0323 1 IBM x3690-X5 Mem.Expander 16xDIMM
1.6.1	8	IBM-46C7483 8 IBM 32GB 2x16GB DDR3 RDIMM x3850X5
1.7	1	IBM-60Y0327 1 IBM x3690-X5 3+4 power supply, two
1.8	1	IBM-60Y0339 1 IBM x3690-X5 4x2.5" SAS HDD Enclosure
1.8.1	2	IBM-43W7670 2 IBM 300GB SAS 10000r hot-plug disk 2.5"
1.8.2	2	IBM-43W7714 2 IBM 50GB SAS SSD hot-plug disk 2.5"
1.9	1	IBM-88Y5663 1 IBM Xeon E7-2870 10-Core 2.4GHz 30MB Pro

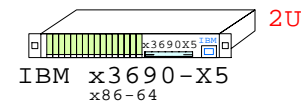
IBM x3690-X5 Intel E7-2800 2P/2U

E7-2800  
2400MHz Ten-Core

Intel Xeon E7-2870 x86-64  
2400MHz 2P-10Core IBM-7147-A7U



GE-link to this document: <http://www.goldeneggs.fi/documents/GE-IBM-X3690X5-A.pdf>



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

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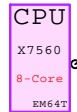
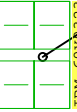


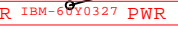









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GOLDEN EGGS Visuals™ Helsinki	10-Jun-2011	GE-IBM-X3690X5-A 2
		Matti.Patari@Kolumbus.Fi

IBM System x3690-X5 E7-2870 2400M  
GOLDEN EGGS Visuals, Helsinki

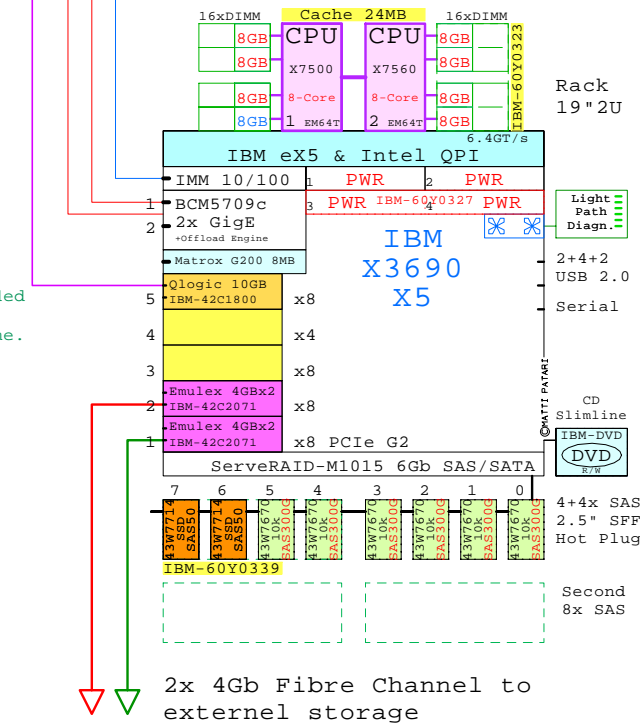
IBM x3690-X5  
Xeon 7500

Internal Options:

-  CPU IBM-60Y0311  
X7560  
8-Core  
EM64T  
2nd 8-Core X7560  
2260MHz 24MB
-  IBM-60Y0323  
MemoryCard  
for 16xDIMM  
Memory must be added  
in DIMM pairs,  
Two DIMMs at a time.
-  2x IBM-46C7448  
Pair of  
DDR3-SDRAM  
2x 4GB
-  2x IBM-46C7482  
2x 8GB
-  IBM-60Y0327  
One kit, 3rd and 4th PowerSupplies
-  IBM-43W7536  
146GB 10k SAS 2.5"
-  IBM-43W7670  
300GB 10k SAS 2.5"
-  IBM-42D0707  
500GB 7.2k SAS 2.5"
-  IBM-43W7714  
50GB SSD SAS 2.5"
-  IBM-46M0902  
SATA CD-RW/DVD
-  IBM-49Y4200  
Emulex 10GbE 2-ch
-  IBM-42C1800  
Qlogic 10Gb CNA HBA
-  IBM-42C2071  
Emulex FC 4Gb 2-ch
-  IBM-42D0510  
Qlogic FC 8Gb 2-ch

Example Configuration  
x86-64

Intel Xeon X7560 x86-64  
2260MHz 2P-8Core IBM-7148-4RX



2x 4Gb Fibre Channel to  
external storage

Parts list for the 2P Eight-Core IBM x3690-X5 system above

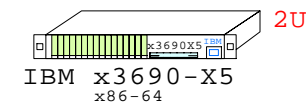
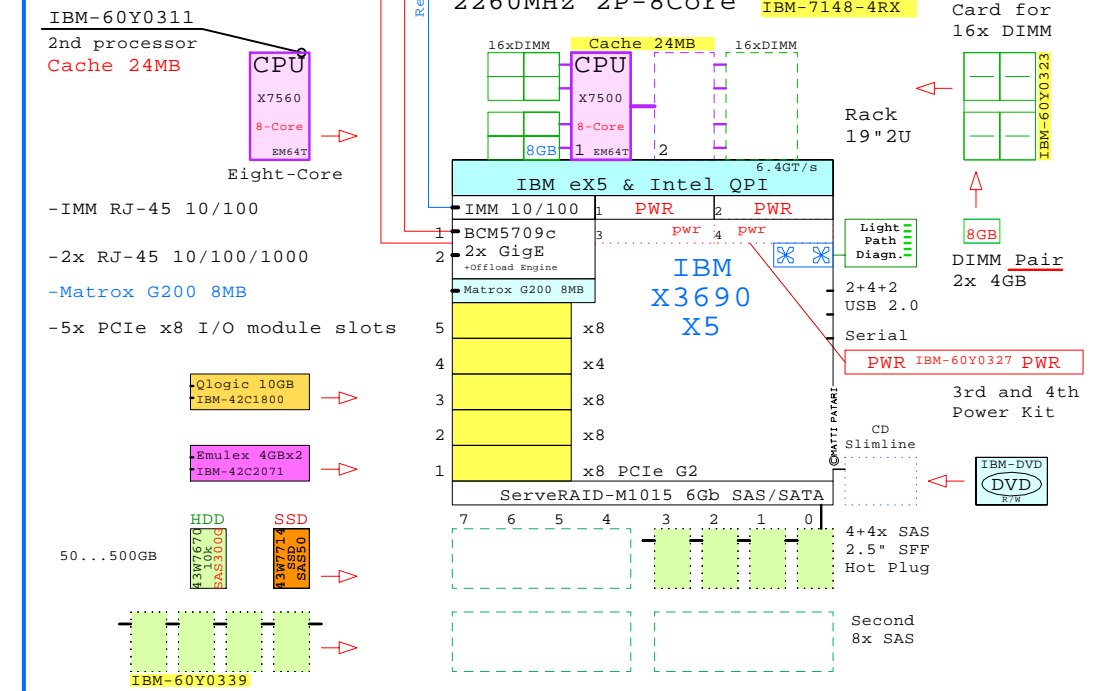
Part Number	Qty	Description
1	1	IB-7148-4RX 1 IBM x3690 X5 2P 8-C X7560 24MB 8GB 2U
1.1	1	IBM-42C1800 1 IBM Qlogic 10Gb CNA server adapter
1.2	2	IBM-42C2071 2 IBM Emulex FC 4Gb 2-ch PCIe HBA
1.3	4	IBM-43W7670 4 IBM 300GB SAS 10000r hot-plug disk 2.5"
1.4	3	IBM-46C7448 3 IBM 8GB 2x4GB DDR3 RDIMM x3850X5
1.5	1	IBM-46M0902 1 IBM CD-RW/DVD-ROM Option kit, slimline
1.6	1	IBM-60Y0311 1 IBM Xeon X7560 x3690 8-Core 2.26GHz 24MB
1.7	1	IBM-60Y0323 1 IBM x3690-X5 Mem.Expander 16xDIMM
1.7.1	4	IBM-46C7448 4 IBM 8GB 2x4GB DDR3 RDIMM x3850X5
1.8	1	IBM-60Y0327 1 IBM x3690-X5 3+4 power supply,two
1.9	1	IBM-60Y0339 1 IBM x3690-X5 4x2.5" SAS HDD Enclosure
1.9.1	2	IBM-43W7670 2 IBM 300GB SAS 10000r hot-plug disk 2.5"
1.9.2	2	IBM-43W7714 2 IBM 50GB SAS SSD hot-plug disk 2.5"

IBM x3690-X5 Intel 7500 2P/2U

Nehalem-EX

2260MHz Eight-Core

Intel Xeon X7560 x86-64  
2260MHz 2P-8Core IBM-7148-4RX



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

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- Zoom in area of interest  
- Print, Print Current View

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IBM System x3690-X5 X7560 2260MHz  
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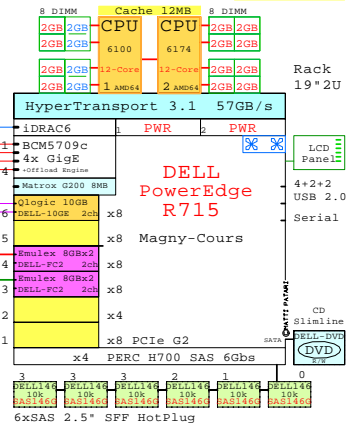
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A picture is worth of one thousand words.  
It talks all Global languages.

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

AMD Opteron 6174 x86-64

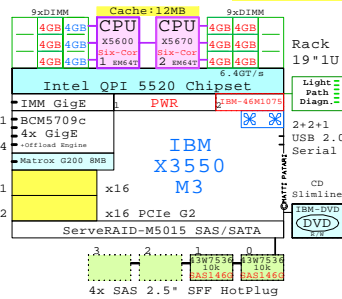
2200MHz 2P 12-Cor **DELL-R715-Axx**



2x 8Gb Fibre Channel to external storage

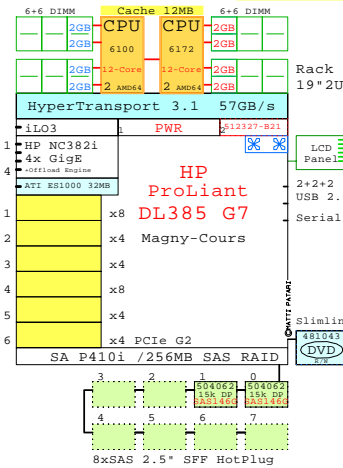
Intel Xeon X5670 x86-64

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



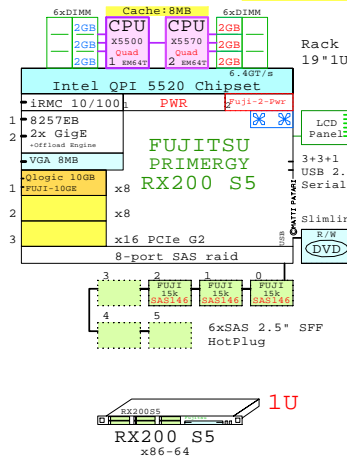
AMD Opteron 6172 x86-64

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



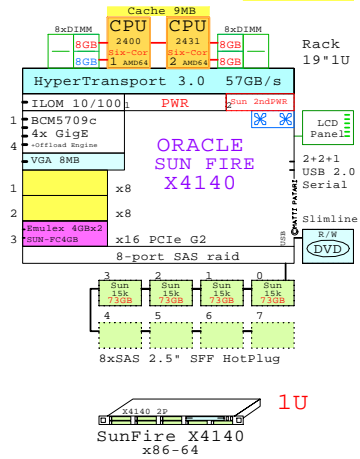
Intel Xeon X5570 x86-64

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



AMD Opteron 2431 x86-64

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



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

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

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