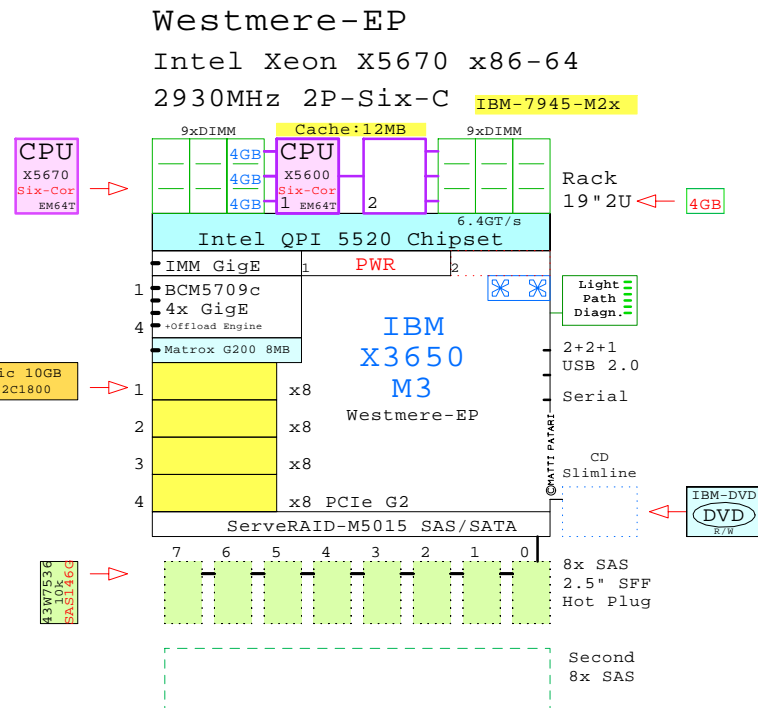


GOLDEN EGGS

Visual Cook Book For: IBM X86-64 Servers

- 1 - IBM xServer Family Map
- Rack Servers:
- 2 - x3550-M3 Intel Xeon 2P 1U
- 3 - x3650-M3 Intel Xeon 2P 2U
- 4 - x3690-X5 Intel Xeon 2P 2U
- 5 - x3755-M3 AMD Opteron 4P 2U
- 6 - x3850-X5 Intel Xeon 4P 4U
- 7 - MAX5 0.5TB Memory
- Tower Servers:
- 8 - x3200-M3 Intel Xeon 1P 5U
- 9 - x3400-M3 Intel Xeon 2P 5U
- 10 - x3500-M3 Intel Xeon 2P 5U



This document is a collection of IBM x86-64 servers. It is prepared for End-customers, Partners and Sales personnel.
A picture talks all languages.

Created by:
 Matti.Patari@Kolumbus.Fi Helsinki

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

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

GE-IBM-BOOK-2011.pdf

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GOLDEN EGGS Visuals™ Helsinki	01-Jul-2011	GE-IBM-X86C
	Matti.Patari@Kolumbus.Fi	
IBM x86 Server 2P 4P 8P Intel AMD GOLDEN EGGS Visuals, Helsinki		

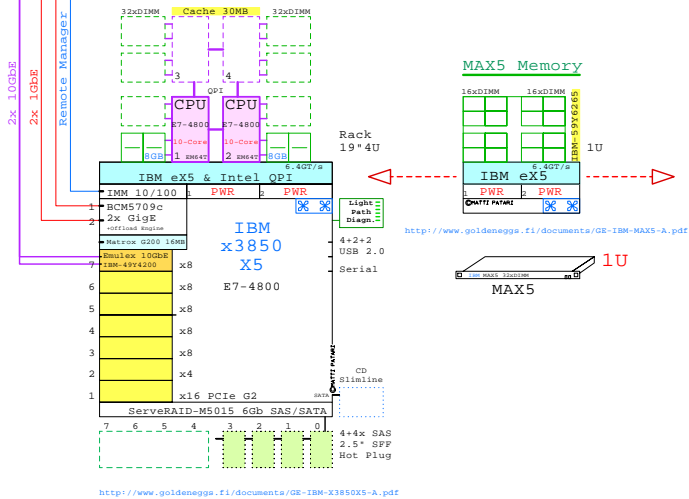
IBM xSERVER x86 Server Family

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

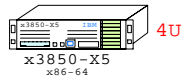
IBM Rack Servers

Xeon 4P-4U

Intel Xeon E7-4870 x86-64
2400MHz 4P-10Core IBM-7143-B7U



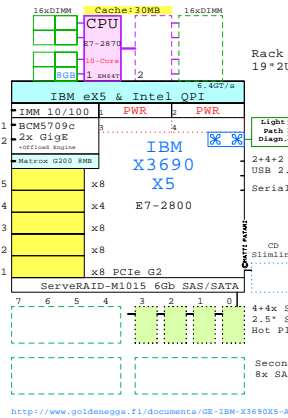
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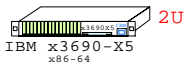
x3850-X5
x86-64 4U

Xeon 2P-2U

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



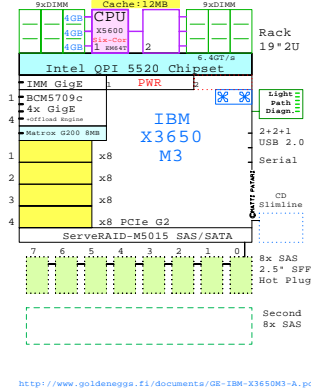
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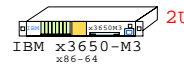
IBM x3690-X5
x86-64 2U

Xeon 2P-2U

Intel Xeon X5670 x86-64
2930MHz 2P-Six-C IBM-7945-M2x



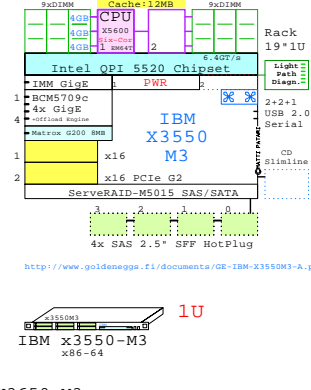
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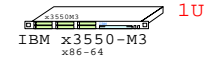
IBM x3650-M3
x86-64 2U

Xeon 2P-1U

Intel Xeon X5670 x86-64
2930MHz 2P-Six-C IBM-7944-M2x



<http://www.goldeneggs.fi/documents/GE-IBM-X3550M3-A.pdf>



IBM x3550-M3
x86-64 1U

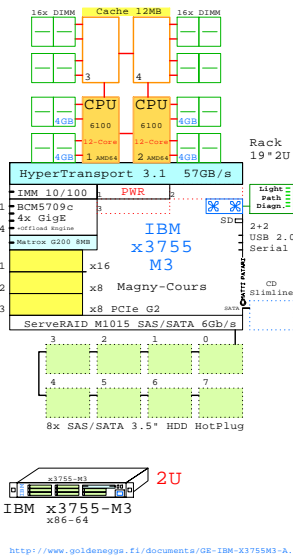
Note:
Link to X3650-M3
GoldenEggs
document

IBM Rack Servers

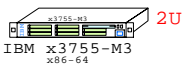
IBM Tower Servers

Opteron 4P-2U

AMD Opteron 6172 x86-64
2100MHz 4P 12-Cor IBM-7164-62U



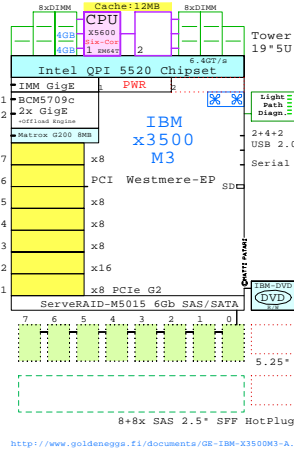
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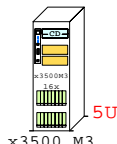
IBM x3755-M3
x86-64 2U

Xeon 2P-5U

Intel Xeon X5680 x86-64
3330MHz 2P-Six-C IBM-7380-92x



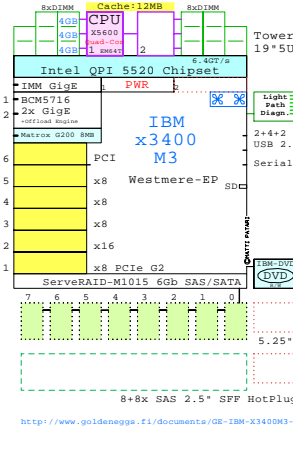
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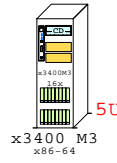
x3500-M3
x86-64 5U

Xeon 2P-5U

Intel Xeon E5620 x86-64
2400MHz 2P-Quad-C IBM-7379-E3x



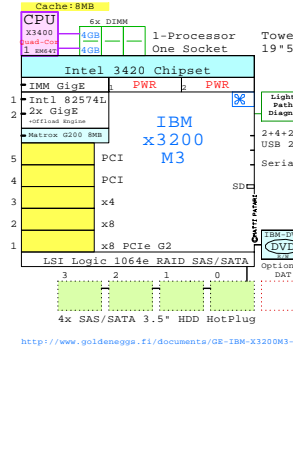
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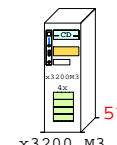
x3400-M3
x86-64 5U

Xeon 1P-5U

Intel Xeon X3450 x86-64
2670MHz 1P-Quad-C IBM-7328-E4x



<http://www.goldeneggs.fi/documents/GE-IBM-X3200M3-A.pdf>



x3200-M3
x86-64 5U

GE-links to other x86 families:

- <http://www.goldeneggs.fi/documents/GE-DELL-FAMILY-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-FUJI-FAMILY-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-HP-FAMILY-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-SUN-FAMILY-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-ACER-FAMILY-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-LENOVO-FAMILY-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-CISCO-FAMILY-A.pdf>

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Matti.Patari@Kolumbus.Fi
Helsinki

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

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IBM x86 Servers 4P,2P,1P Intel
GOLDEN EGGS Visuals, Helsinki

IBM x3550 M3
Xeon 5600

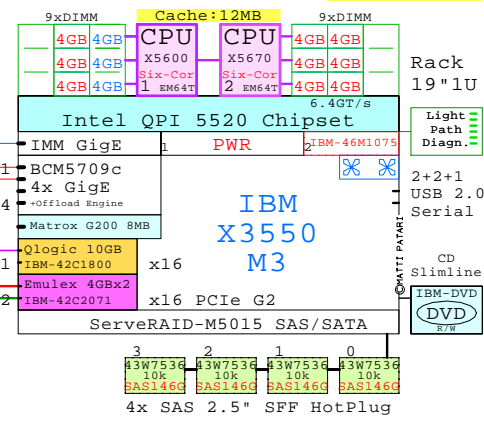
Internal Options:

- IBM-59Y4011
CPU X5670 Six-Cor EM64T
2nd Six-Core X5670
2930MHz 12MB
- IBM-49Y1435
4GB DDR3-SDRAM
1x DIMMs each
- IBM-49Y1436
8GB
- IBM-46M1075
2nd Power
IBM-46M1075
- IBM-43W7536
146GB 10k SAS 2.5"
43W7536 10k SAS146G
- IBM-43W7670
300GB 10k SAS 2.5"
43W7670 10k SAS300G
- IBM-42D0707
500GB 7.2k SAS 2.5"
42D0707 7.2k SAS500G
- IBM-46M0901
SATA CD-RW/DVD
IBM-DVD R/W

10-Gigabit
Gigabit E
Gigabit E
IBM Remote Manager

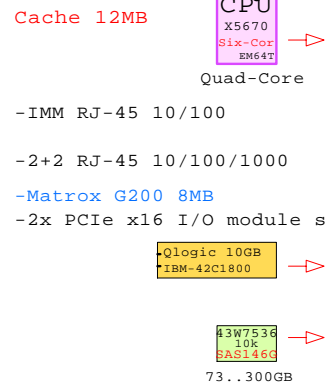
Example Configuration
x86-64

Intel Xeon X5670 x86-64
2930MHz 2P-Six-C IBM-7944-M2x



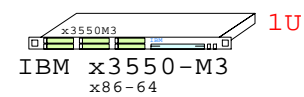
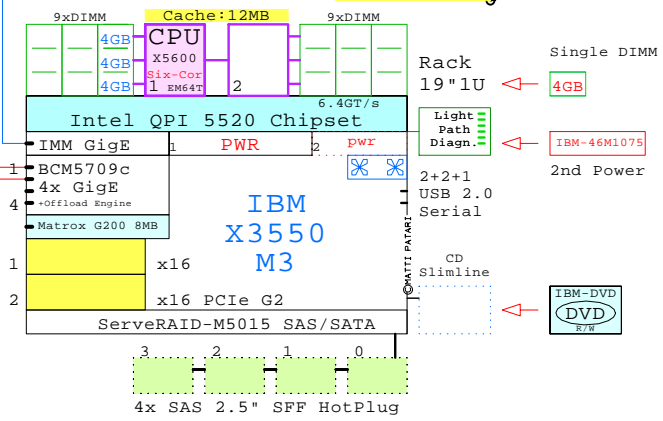
2x 4Gb Fibre Channel to external storage

IBM-59Y4011
2nd processor
Cache 12MB



Westmere EP
2930MHz Six-Core

Intel Xeon X5670 x86-64
2930MHz 2P-Six-C IBM-7944-M2x System #



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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IBM System x3550M3 X5670 2930MHz
GOLDEN EGGS Visuals, Helsinki

Parts list for the 2P Six-Core IBM x3550 M3 system above

Part Number	Qty	Description
1	1	IB-7944-M2x 1 IBM x3550-M3 2P SixC X5670-12MB 12GB 1U
1.1	1	IBM-42C1800 1 IBM Qlogic 10Gb CNA server adapter
1.2	1	IBM-42C2071 1 IBM Emulex FC 4Gb 2-ch PCIe HBA
1.3	4	IBM-43W7536 4 IBM 146GB SAS 10000r hot-plug disk 2.5"
1.4	1	IBM-46M0901 1 IBM CD-RW/DVD-ROM Option kit, slimline
1.5	1	IBM-46M1075 1 IBM x3650-M2 M3 second power supply
1.6	9	IBM-49Y1435 9 IBM 4GB PC3-10600 DDR3 1x4GB
1.7	1	IBM-59Y4011 1 Xeon 6C X5670-12MB 2.93GHz for x3550M3

IBM x3550 M3 Intel 5600 2P/1U

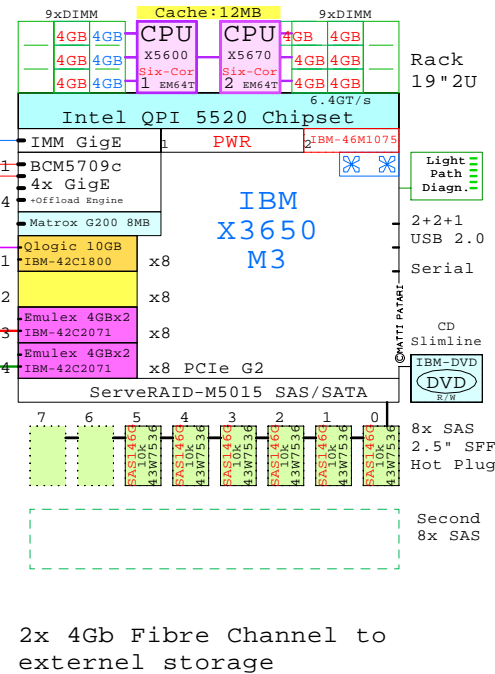
IBM x3650 M3
Xeon 5600

Internal Options:

- IBM-59Y4025
CPU X5670 Six-Cor EM64T
2nd Six-Core X5670
2930MHz 12MB
- IBM-49Y1435
4GB DDR3-SDRAM
1x DIMMs each
- IBM-49Y1436
8GB
- IBM-46M1075
2nd Power
- IBM-43W7536
146GB 10k SAS 2.5"
- IBM-43W7670
300GB 10k SAS 2.5"
- IBM-42D0707
500GB 7.2k SAS 2.5"
- IBM-46M0901
SATA CD-RW/DVD
- IBM-43W8480
DDS Gen5 SATA Tape
- IBM-42C1800
Qlogic 10Gb CNA HBA
- IBM-42C2071
Emulex FC 4Gb 2-ch
- IBM-39Y7917
Need 2x
39Y7917 PowerCord EU

Example Configuration
x86-64

Intel Xeon X5670 x86-64
2930MHz 2P-Six-C IBM-7945-M2x



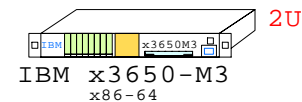
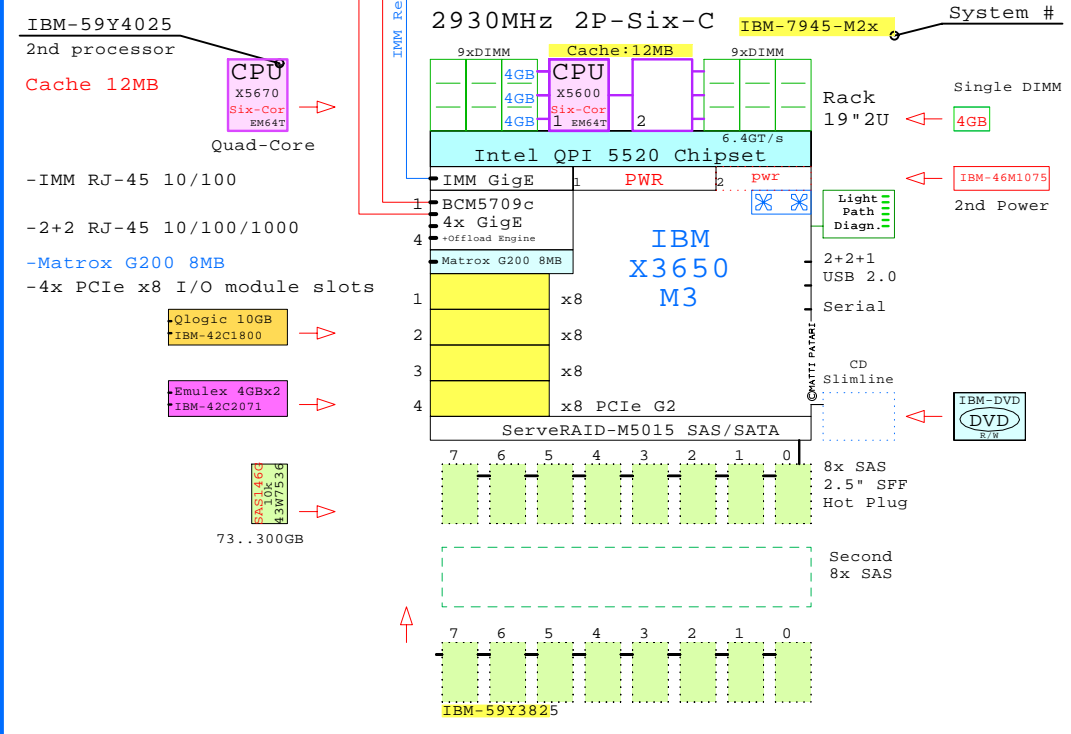
Tip for detail printing:
- Zoom in area of interest
- Print, Print Current View

Parts list for the 2P Six-Core IBM x3650 M3 system above

Part Number	Qty	Description
1	1	IB-7945-M2x 1 IBM x3650-M3 2P 6C X5670-12MB 12GB 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	6	IBM-43W7536 6 IBM 146GB SAS 10000r hot-plug disk 2.5"
1.4	1	IBM-46M0901 1 IBM CD-RW/DVD-ROM Option kit, slimline
1.5	1	IBM-46M1075 1 IBM x3650-M2 M3 second power supply
1.6	9	IBM-49Y1435 9 IBM 4GB PC3-10600 DDR3 1x4GB
1.7	1	IBM-59Y4025 1 Xeon 6C X5670-12MB 2.93GHz for x3650M3

Westmere EP
2930MHz Six-Core

Intel Xeon X5670 x86-64
2930MHz 2P-Six-C IBM-7945-M2x



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

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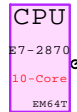
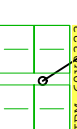












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IBM System x3650M3 X5670 2930MHz
GOLDEN EGGS Visuals, Helsinki

IBM x3650 M3 Intel 5600 2P/2U

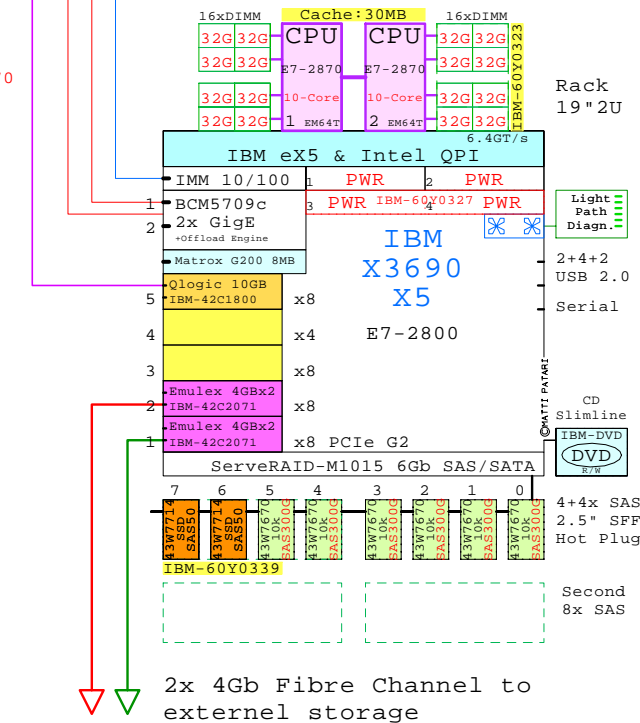
IBM x3690-X5
Xeon E7-2800

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

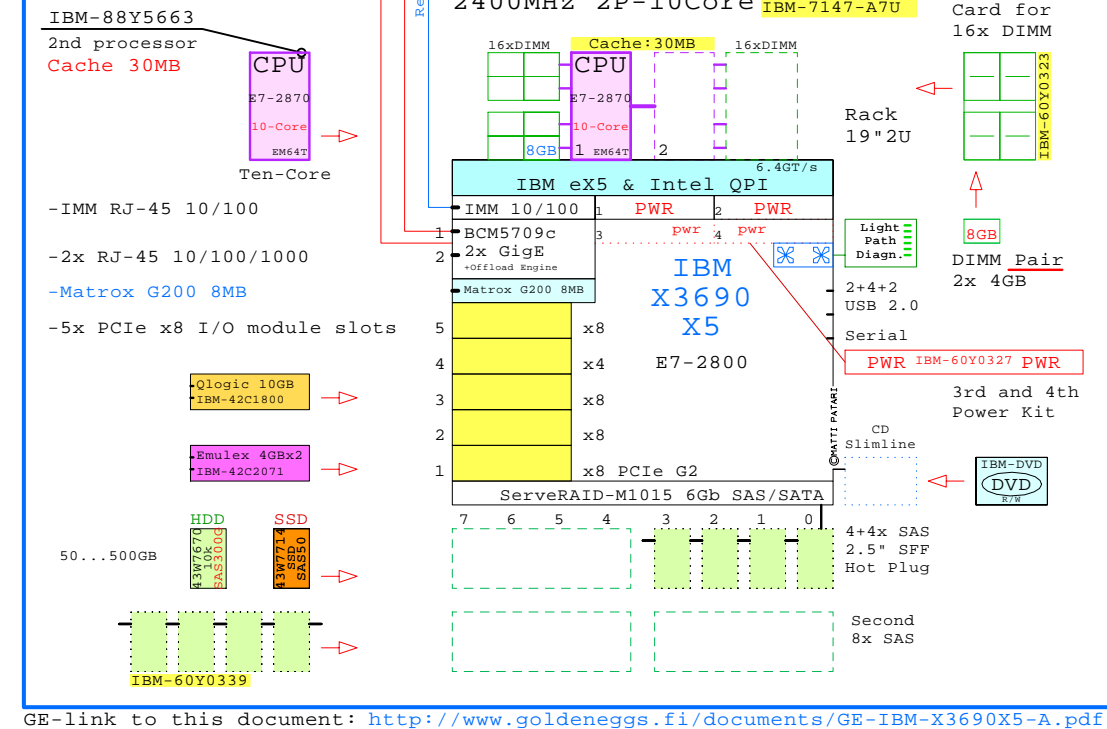
Part Number	Qty	Description
1	1	IB-7147-A7U 1 IBM x3690 X5 2P 10-C E7-2870 30MB 0GB 2U
1.1	1	IBM-42C1800 1 IBM Qlogic 10Gb CNA server adapter
1.2	2	IBM-42C2071 2 IBM Emulex FC 4Gb 2-ch PCIe HBA
1.3	4	IBM-43W7670 4 IBM 300GB SAS 10000r hot-plug disk 2.5"
1.4	8	IBM-46C7483 8 IBM 32GB 2x16GB DDR3 RDIMM 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

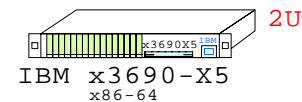
E7-2800

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

IBM x3755-M3
AMD Opteron

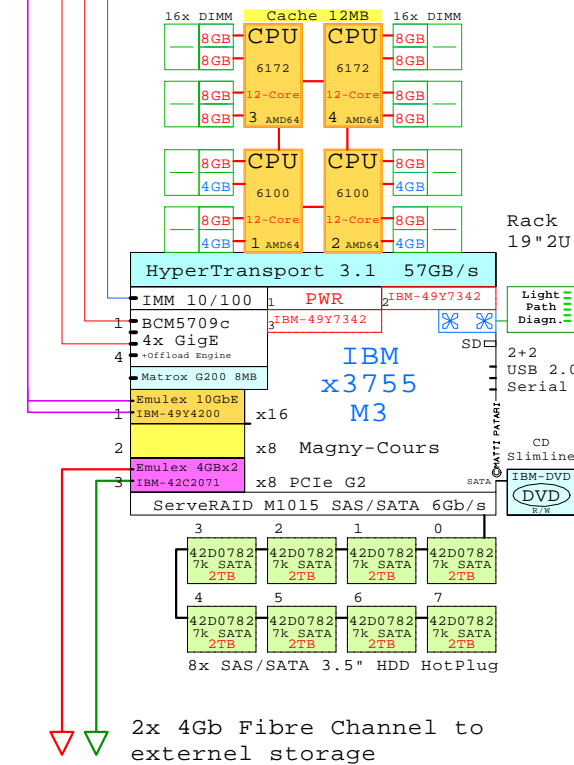
Internal Options:

- CPU** IBM-49Y7354
6172 3-4 12-Core 6172 2100MHz 12MB AMD64
- 4GB** IBM-49Y1435
DDR3-SDRAM 1xRDIMMs each
- 8GB** IBM-49Y1436
1x8GB
- IBM-49Y7342**
2nd,3rd Power
- 39M4530**
500GB 7.2k SATA 3.5"
- 43W7576**
750GB 7.2k SATA 3.5"
- 43W7626**
1TB 7.2k SATA 3.5"
- 42D0782**
2TB 7.2k SATA 3.5"
- IBM-DVD**
SATA CD-RW/DVD
- IBM-49Y4200**
Emulex 10GbE 2-ch
- Qlogic 10GB** IBM-42C1800
Qlogic 10Gb CNA HBA
- Emulex 4GBx2** IBM-42C2071
Emulex FC 4Gb 2-ch
- Qlogic 8GBx2** IBM-42D0510
Qlogic FC 8Gb 2-ch

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

Example Configuration
x86-64

AMD Opteron 6172 x86-64
2100MHz 4P 12-Cor **IBM-7164-62U**



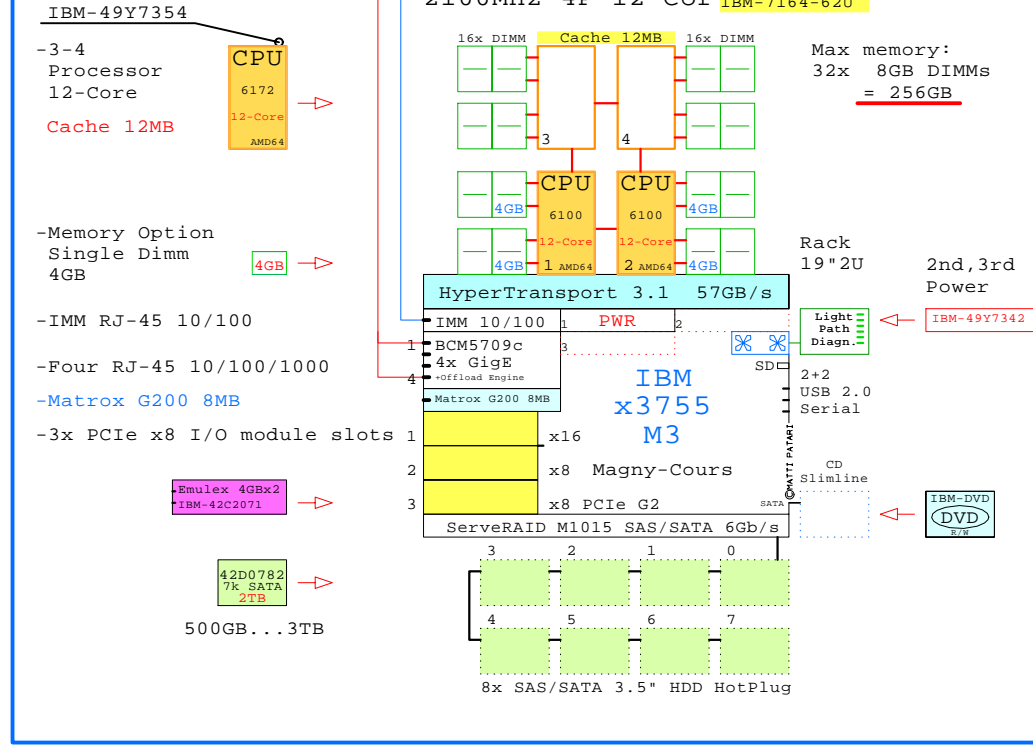
2x 4Gb Fibre Channel to external storage

Parts list for the 4P Twelve-Core IBM x3755-M3

	Part Number	Qty	Description
1	IB-7164-62U	1	IBM x3755-M3 4P 12C 6172 2.1GH 16GB AMD6
1.1	IBM-42C2071	1	IBM Emulex FC 4Gb 2-ch PCIe HBA
1.2	IBM-42D0782	8	IBM 2TB 7.2k 3.5" SATA HotPlug HDD
1.3	IBM-46M0902	1	IBM CD-RW/DVD-ROM Option kit, slimline
1.4	IBM-49Y1436	12	IBM 8GB PC3-10600 DDR3 1x8GB
1.5	IBM-49Y4200	1	IBM Emulex 10GbE Dual-Port adapter
1.6	IBM-49Y7342	2	IBM x3755M3 2nd power supply,one
1.7	IBM-49Y7354	2	IBM AMD 12C Opt. 6172-12MB 2100MHz x3755

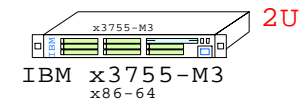
Magny-Cours
2100MHz Twelve-Core

AMD Opteron 6172 x86-64
2100MHz 4P 12-Cor **IBM-7164-62U** System #



Max memory:
32x 8GB DIMMs
= 256GB

GE-link to this document: <http://www.goldeneggs.fi/documents/GE-IBM-X3755M3-A.pdf>



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

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

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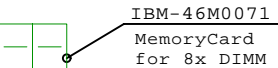
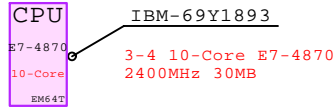
GOLDEN EGGS Visuals™ Helsinki	19-Jun-2011	GE-IBM-X3755M3-A Matti.Patari@Kolumbus.Fi
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IBM System x3755-M3 AMD 6172 2.1G
GOLDEN EGGS Visuals, Helsinki

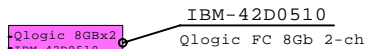
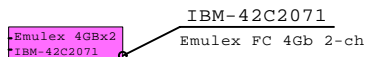
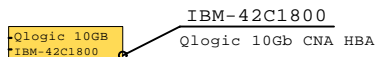
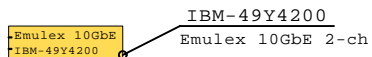
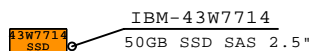
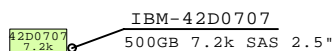
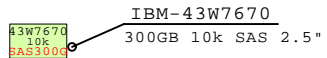
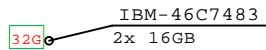
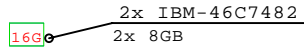
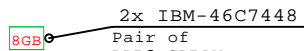
IBM x3755-M3 AMD Twelve-Core 6172 4P/2U

IBM x3850-X5
Xeon E7-4800

Internal Options:



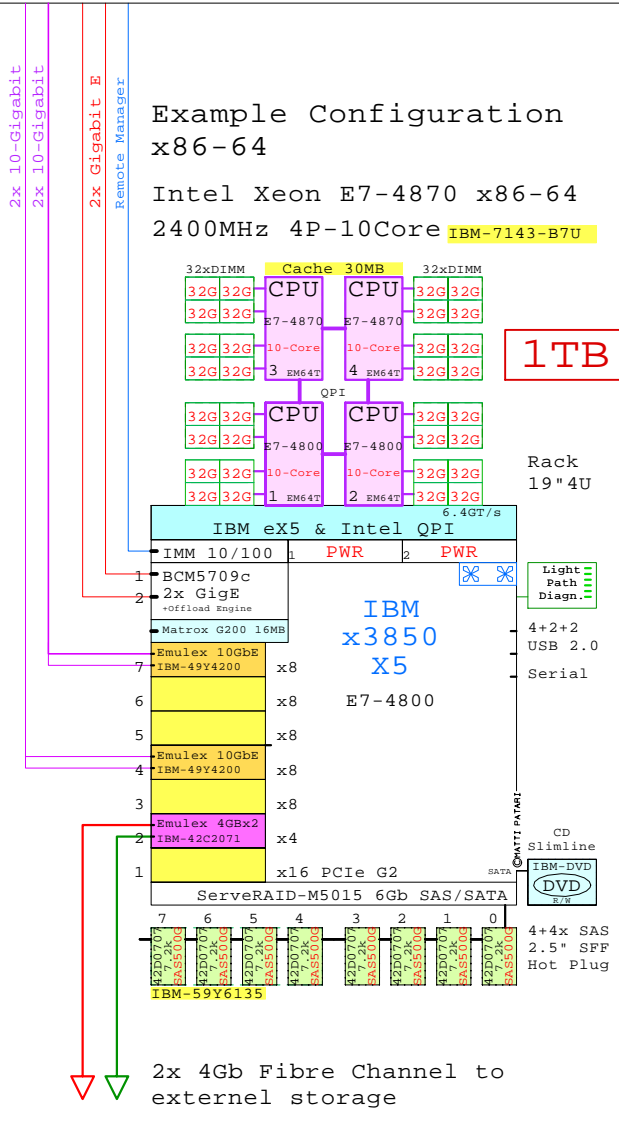
Memory must be added in DIMM pairs, Two DIMMs at a time.



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

Example Configuration
x86-64

Intel Xeon E7-4870 x86-64
2400MHz 4P-10Core IBM-7143-B7U



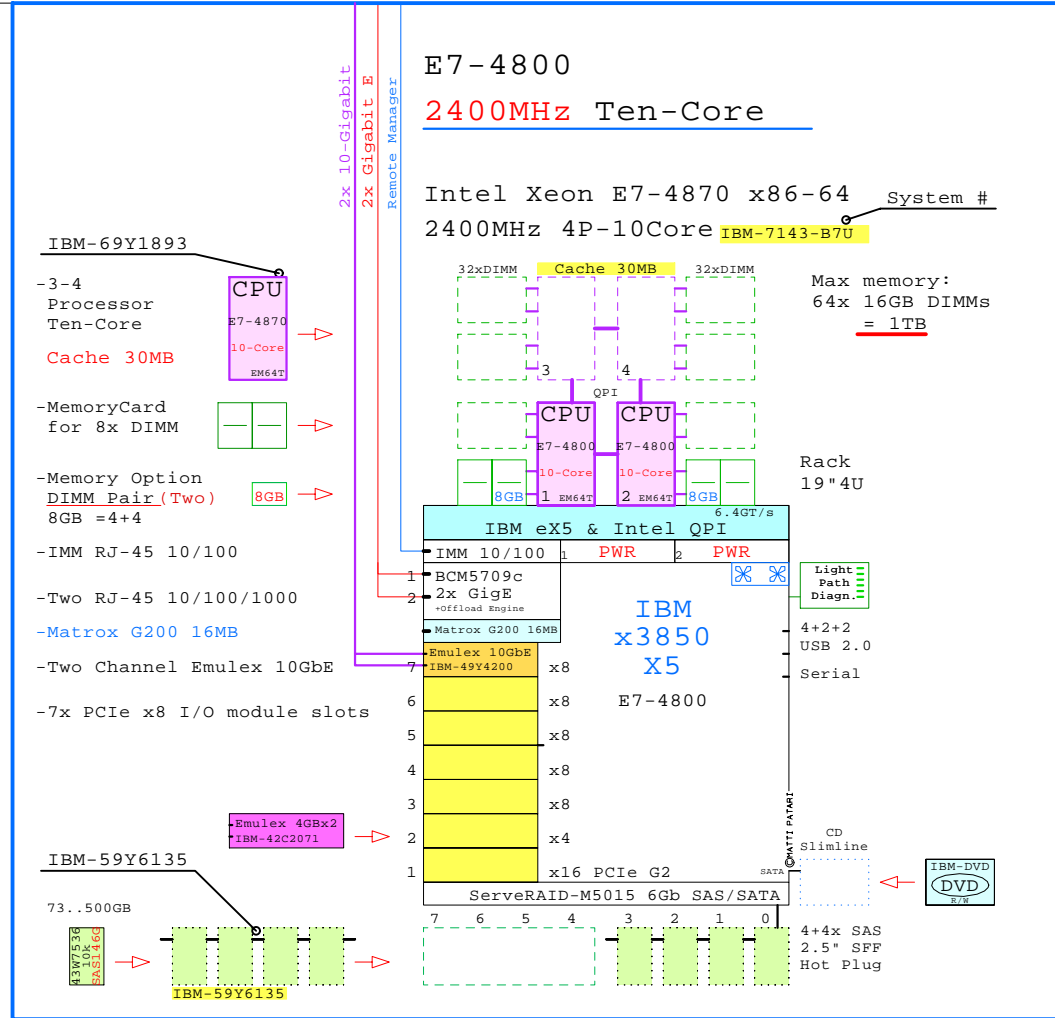
2x 4Gb Fibre Channel to external storage

Parts list for the 4P 1TB Ten-Core IBM x3850-X5

Part Number	Qty	Description
IB-7143-B7U	1	IBM x3850 X5 4P 10-C E7-4870 30MB 0GB 4U
IBM-42C2071	1	IBM Emulex FC 4Gb 2-ch PCIe HBA
IBM-42D0707	8	IBM 500GB SAS 7200r hot-plug disk 2.5"
IBM-46C7483	32	IBM 32GB 2x16GB DDR3 RDIMM x3850X5
IBM-46M0071	6	IBM Memory Expansion Book
IBM-46M0902	1	IBM CD-RW/DVD-ROM Option kit, slimline
IBM-49Y4200	1	IBM Emulex 10GbE Dual-Port adapter
IBM-59Y6135	1	IBM x3850-X5 4x2.5" SAS HDD Enclosure
IBM-69Y1893	2	IBM Xeon E7-4870 10-Core 2.4GHz 30MB Pro

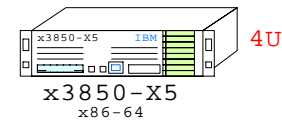
E7-4800
2400MHz Ten-Core

Intel Xeon E7-4870 x86-64 System #
2400MHz 4P-10Core IBM-7143-B7U



Max memory:
64x 16GB DIMMs
= 1TB

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

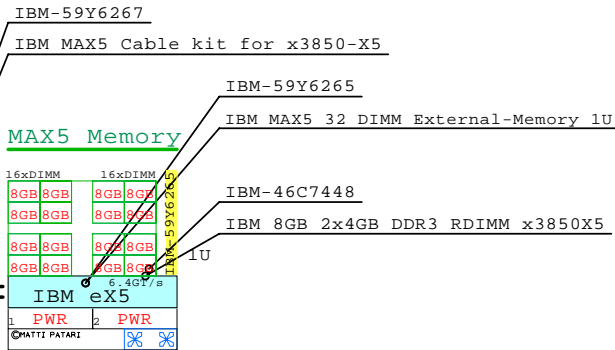
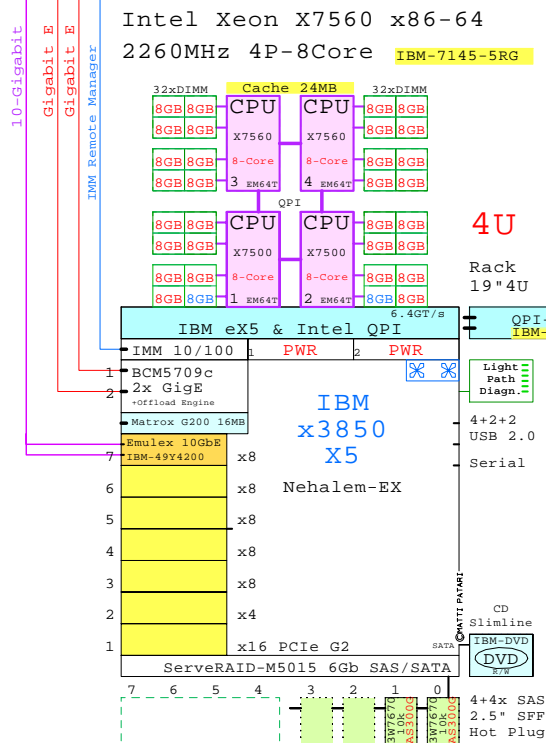
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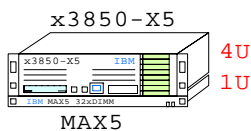
GOLDEN EGGS Visuals™ Helsinki	10-Jun-2011	GE-IBM-X3850X5-A 2	Matti.Patari@Kolumbus.Fi
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IBM System x3850-X5 E7-4870 2400M
GOLDEN EGGS Visuals, Helsinki

IBM x3850-X5 Intel E7-4800 4P/4U

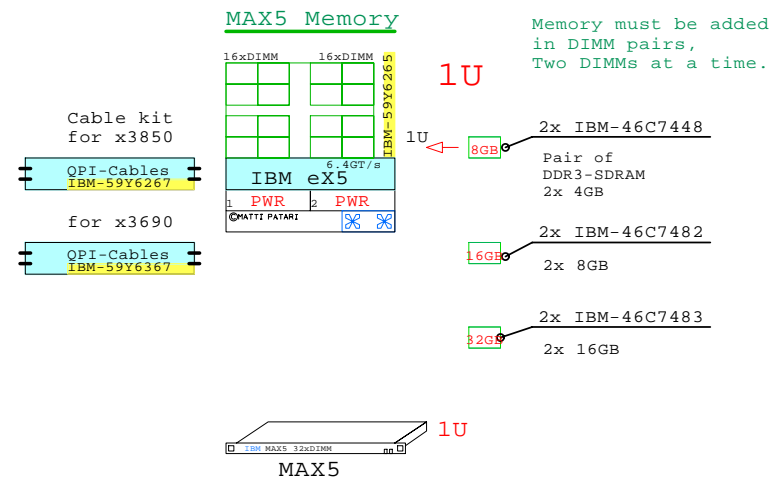


Max Memory:
64x16GB + 32x16GB
= 1TB + 0.5TB = 1.5TB



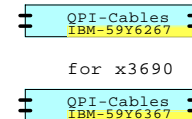
Direct GE-link:
<http://www.goldeneggs.fi/documents/GE-IBM-X3850X5-A.pdf>

32x DIMM Memory Extension

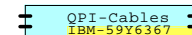


Memory must be added in DIMM pairs, Two DIMMs at a time.

Cable kit for x3850



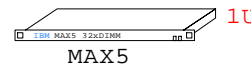
for x3690



2x IBM-46C7448
Pair of DDR3-SDRAM
2x 4GB

2x IBM-46C7482
2x 8GB

2x IBM-46C7483
2x 16GB



MAX5 parts list

	Part Number	Qty	Description
1	IBM-59Y6265	1	IBM MAX5 32 DIMM External-Memory 1U
2	IBM-59Y6267	1	IBM MAX5 Cable kit for x3850-X5
3	IBM-59Y6367	1	IBM MAX5 Cable kit for x3690-X5
4	IBM-46C7482	1	IBM 16GB 2x8GB DDR3 RDIMM x3850X5
5	IBM-46C7483	1	IBM 32GB 2x16GB DDR3 RDIMM x3850X5
6	IBM-46C7448	1	IBM 8GB 2x4GB DDR3 RDIMM x3850X5

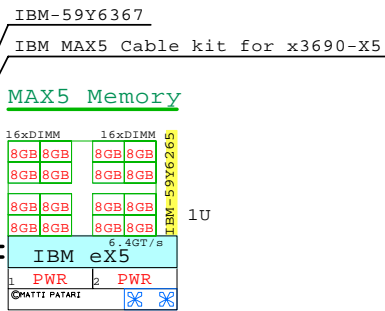
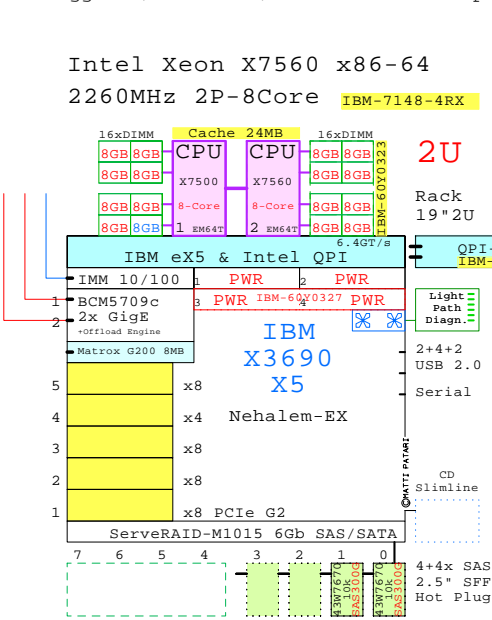
Tip for detail printing:
- Zoom in area of interest
- Print, Print Current View

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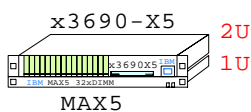
GE-link to this document:
<http://www.goldeneggs.fi/documents/GE-IBM-MAX5-A.pdf>

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GOLDEN EGGS Visuals™ Helsinki	23-Aug-2010	GE-IBM-MAX5-A
	Matti.Patari@Goldeneggs.Fi	
IBM System-x MAX5 External Memory		
GOLDEN EGGS Visuals, Helsinki		



Max Memory:
32x16GB + 32x16GB
= 0.5TB + 0.5TB = 1.0TB



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

MAX5, IBM System x External Memory 1U

IBM x3200-M3
Xeon 3400

Internal Options:

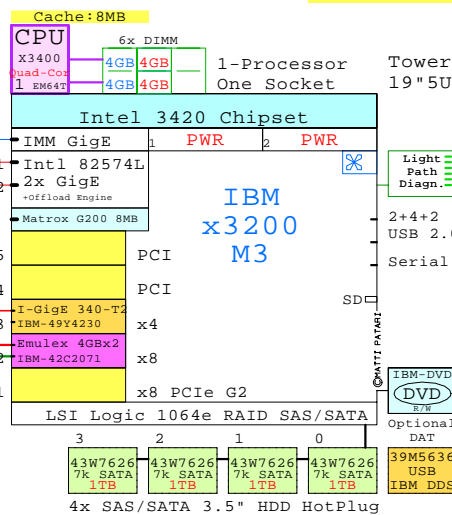
- IBM-44T1569
2GB DDR3-SDRAM 1xRDIMMs each
- IBM-44T1599
4GB 1x4GB
- IBM-39M4530
39M4530 7k SATA 500GB
- IBM-43W7576
43W7576 7k SATA 750GB
- IBM-43W7626
43W7626 7k SATA 1TB
- IBM-42D0782
42D0782 7k SATA 2TB
- IBM-39M5636
39M5636 USB IBM DDS

- IBM-49Y4230
I-GigE 340-T2 IBM-49Y4230 Intel 340-T2 GigE
- IBM-49Y4200
Emulex 10GbE IBM-49Y4200 Emulex 10GbE 2-ch
- IBM-42C1800
Qlogic 10Gb IBM-42C1800 Qlogic 10Gb CNA HBA
- IBM-42C2071
Emulex 4GBx2 IBM-42C2071 Emulex FC 4Gb 2-ch
- IBM-42D0510
Qlogic 8GBx2 IBM-42D0510 Qlogic FC 8Gb 2-ch

IBM-42C8923 Rack kit

Example Configuration
x86-64

Intel Xeon X3450 x86-64
2670MHz 1P-Quad-C **IBM-7328-E4x**



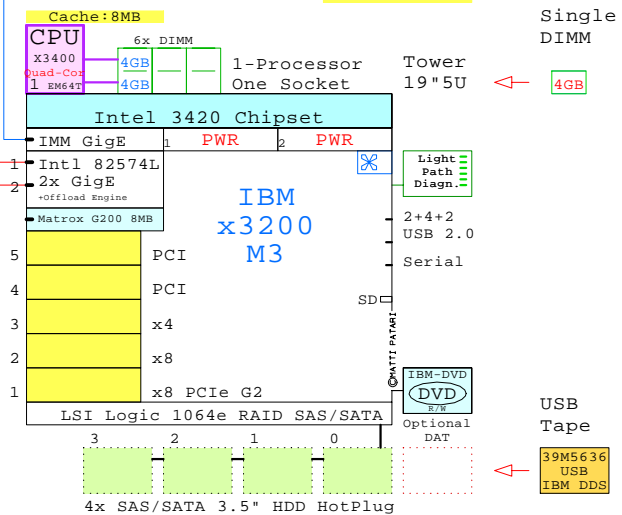
2x 4Gb Fibre Channel to external storage

Parts list for this 1P Quad-Core IBM x3200-M3 Tower System

Part Number	Qty	Description
1	1	IBM x3200-M3 1P 4C X3450-8MB 8GB Tower 5
1.1	1	IBM DDS Gen 6 USB Tape Drive
1.2	1	IBM Emulex FC 4Gb 2-ch PCIe HBA
1.3	4	IBM 1TB 7.2k 3.5" SATA HotPlug HDD
1.4	2	IBM 4GB DDR3 RDIMM 1x4GB
1.5	1	IBM Ethernet I-340-T2 Dual-Port adapter

Lynnfield
2670MHz Quad-Core

Intel Xeon X3450 x86-64
2670MHz 1P-Quad-C **IBM-7328-E4x**



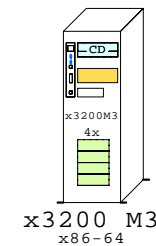
- One Processor Quad-Core
- IMM RJ-45 10/100/1000
- 2x RJ-45 10/100/1000
- Matrox G200 8MB
- 2x PCI slot
- 3x PCIe x8 I/O slots

I-GigE 340-T2
IBM-49Y4230

39M4530
7k SATA
500GB

250-2000GB

Link to this document: <http://www.goldeneggs.fi/documents/GE-IBM-X3200M3-A.pdf>



5U

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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IBM System x3200-M3 X3450 2670MHz
GOLDEN EGGS Visuals, Helsinki

IBM x3400-M3
Xeon 5600

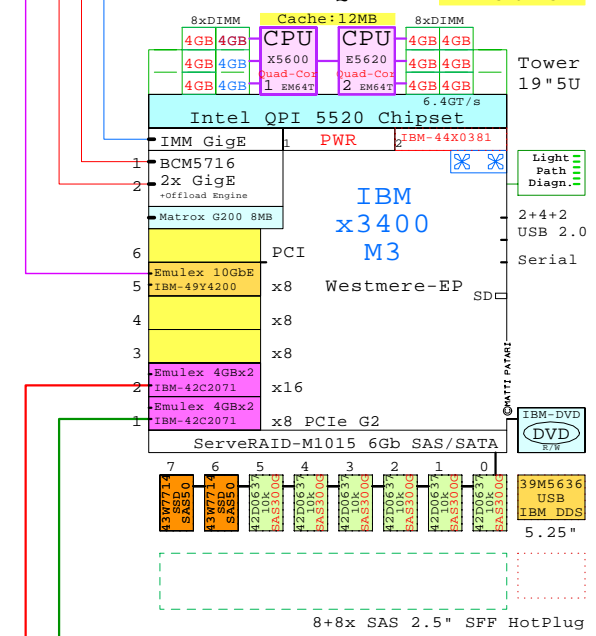
Internal Options:

- CPU** IBM-69Y0851
E5620 Quad-Core
EM64T
2nd Q-Core X5680
2400MHz 12MB
- 2GB** IBM-49Y1434
DDR3-SDRAM
1xRDIMMs each
- 4GB** IBM-49Y1435
1x4GB
- 8GB** IBM-49Y1436
1x8GB
- IBM-44X0381**
2nd Power Supply
- 42D0677**
146GB 15k SAS 2.5"
- 42D0637**
300GB 10k SAS 2.5"
- 42D0707**
50GB 7.2k SAS 2.5"
- 43W7714**
50GB SSD SAS 2.5"
- 39M5636**
USB
IBM DDS
DDS Gen 6 USB Tape
- I-GigE 340-T2**
IBM-49Y4230
Intel 340-T2 GigE
- Emulex 10GbE**
IBM-49Y4200
Emulex 10GbE 2-ch
- QLogic 10GB**
IBM-42C1800
QLogic 10Gb CNA HBA
- Emulex 4GbX2**
IBM-42C2071
Emulex FC 4Gb 2-ch
- QLogic 8GbX2**
IBM-42D0510
QLogic FC 8Gb 2-ch



Example Configuration
x86-64

Intel Xeon E5620 x86-64
2400MHz 2P-Quad-C **IBM-7379-E3x**



2x 4Gb Fibre Channel to external storage

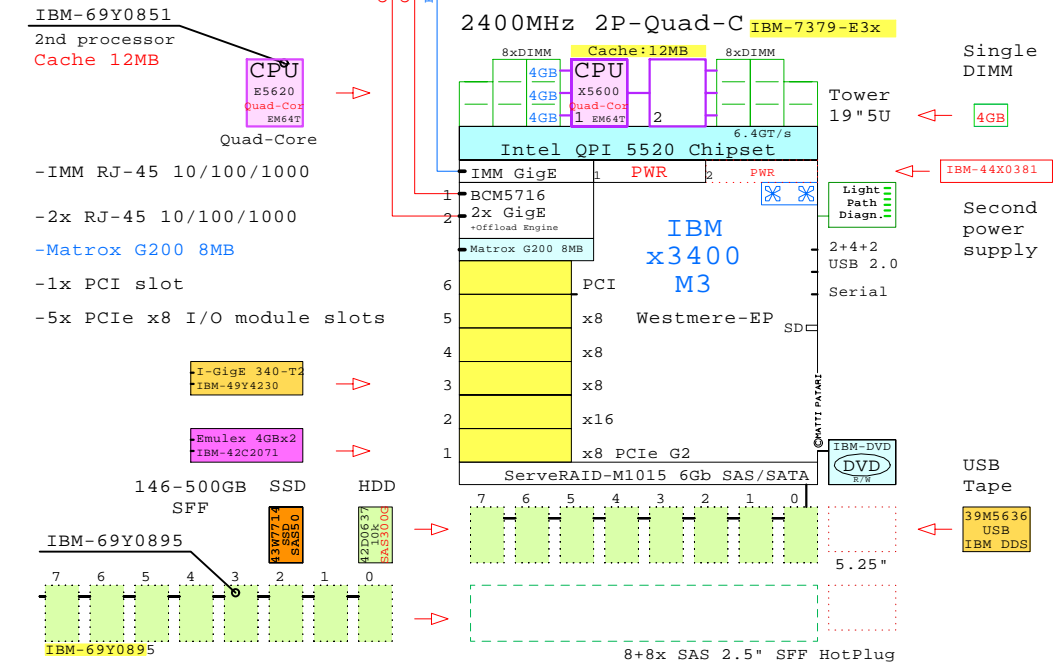
Parts list for this 2P Quad-Core IBM x3400-M3 Tower System

Part Number	Qty	Description
1	1	IBM-7379-E3x IBM x3400-M3 2P 4C E5620-12MB 12GB Tower
1.1	1	IBM-39M5636 IBM DDS Gen 6 USB Tape Drive
1.2	2	IBM-42C2071 IBM Emulex FC 4Gb 2-ch PCIe HBA
1.3	6	IBM-42D0637 IBM 300GB SAS 10k 6Gbps hotP 2.5" disk
1.4	2	IBM-43W7714 IBM 50GB SAS SSD hot-plug disk 2.5"
1.5	1	IBM-44X0381 IBM x3500-M3 2nd power supply,one
1.6	10	IBM-49Y1435 IBM 4GB PC3-10600 DDR3 1x4GB
1.7	1	IBM-49Y4200 IBM Emulex 10GbE Dual-Port adapter
1.8	1	IBM-69Y0851 Xeon QC E5620-12MB 2.40GHz for x3400M3

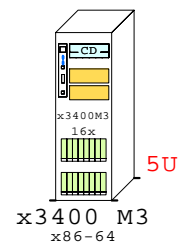
Westmere-EP
2400MHz Quad-Core

Max Memory
16x 16GB=
256GB

Intel Xeon E5620 x86-64
2400MHz 2P-Quad-C **IBM-7379-E3x**



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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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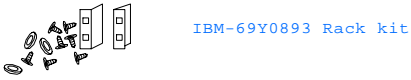
IBM System x3400-M3 E5620 2400MHz
GOLDEN EGGS Visuals, Helsinki

IBM x3400-M3 Intel 5600 2P/5U

IBM x3500-M3
Xeon 5600

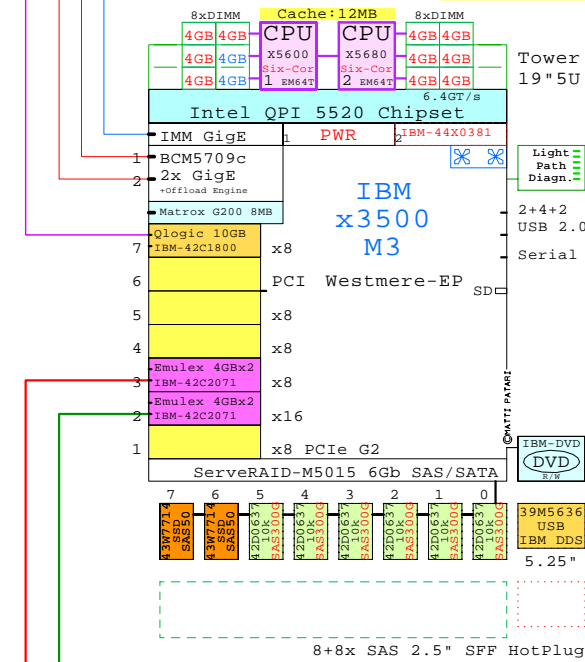
Internal Options:

- CPU** IBM-69Y0846
X5680
Six-Cor
EM64T
2nd 6-Core X5680
3330MHz 12MB
- 2GB** IBM-49Y1434
DDR3-SDRAM
1xRDIMMs each
- 4GB** IBM-49Y1435
1x4GB
- 8GB** IBM-49Y1436
1x8GB
- IBM-44X0381**
2nd Power Supply
- 42D0677**
15k
SAS1466
146GB 15k SAS 2.5"
- 42D0637**
10k
SAS3000
300GB 10k SAS 2.5"
- 42D0707**
7.2k
SAS5000
500GB 7.2k SAS 2.5"
- 43W7714**
SSD
SAS50
50GB SSD SAS 2.5"
- 39M5636**
USB
IBM DDS
DDS Gen 6 USB Tape
- I-GigE 340-T2**
IBM-49Y4230
Intel 340-T2 GigE
- Emulex 10GbE**
IBM-49Y4200
Emulex 10GbE 2-ch
- Qlogic 10GB**
IBM-42C1800
Qlogic 10Gb CNA HBA
- Emulex 4GBx2**
IBM-42C2071
Emulex FC 4Gb 2-ch
- Qlogic 8GbX2**
IBM-42D0510
Qlogic FC 8Gb 2-ch



Example Configuration
x86-64

Intel Xeon X5680 x86-64
3330MHz 2P-Six-C **IBM-7380-92x**



2x 4Gb Fibre Channel to external storage

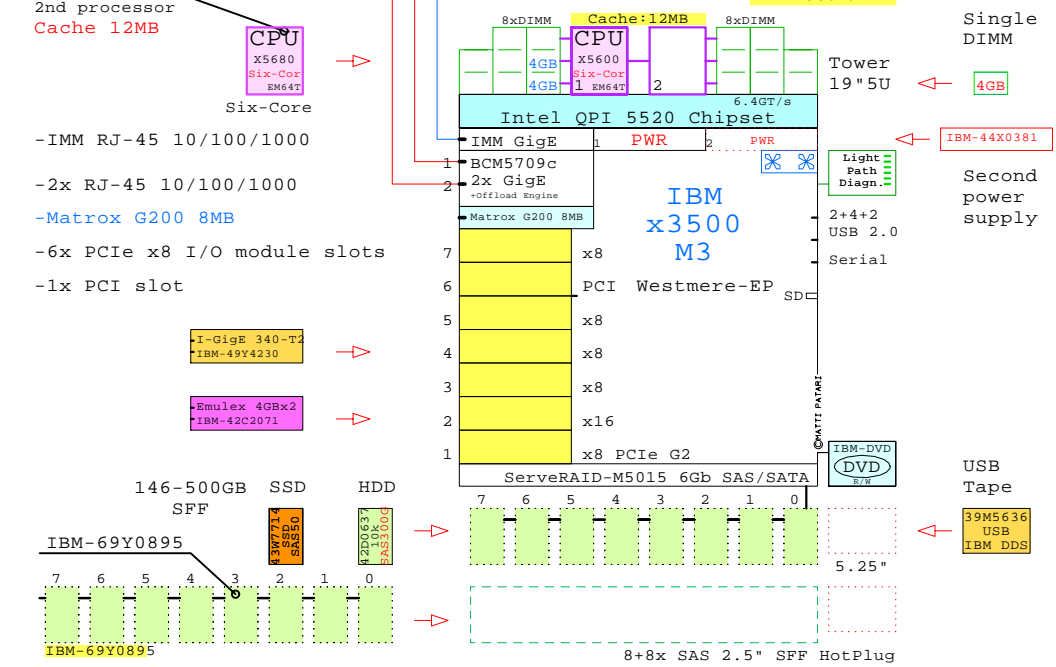
Parts list for this 2P Six-Core IBM x3500-M3 Tower System

Part Number	Qty	Description
1	1	IBM x3500-M3 2P 6C X5680-12MB 8GB Tower
1.1	1	IBM DDS Gen 6 USB Tape Drive
1.2	1	IBM Qlogic 10Gb CNA server adapter
1.3	2	IBM Emulex FC 4Gb 2-ch HBA
1.4	6	IBM 300GB SAS 10k 6Gbps hotP 2.5" disk
1.5	2	IBM 50GB SAS SSD hot-plug disk 2.5"
1.6	1	IBM x3500-M3 2nd power supply, one
1.7	10	IBM 4GB PC3-10600 DDR3 1x4GB
1.8	1	Xeon 6C X5680-12MB 3.33GHz for x3500M3

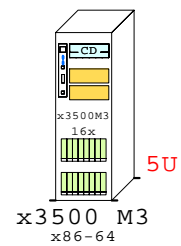
Westmere-EP
3330MHz Six-Core

Max Memory
16x 16GB=
256GB

Intel Xeon X5680 x86-64
3330MHz 2P-Six-C **IBM-7380-92x**



Link to this document: <http://www.goldeneggs.fi/documents/GE-IBM-X3500M3-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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IBM System x3500-M3 X5680 3330MHz
GOLDEN EGGS Visuals, Helsinki

IBM x3500-M3 Intel 5600 2P/5U

Welcome to GoldenEggs Visual Configurations

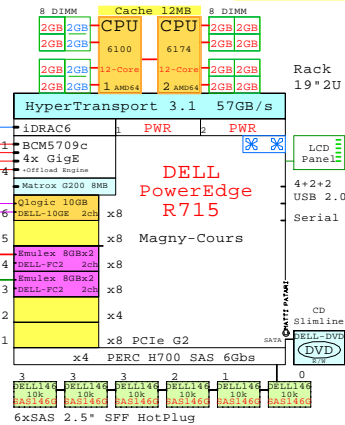
<http://www.goldeneggs.fi>

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

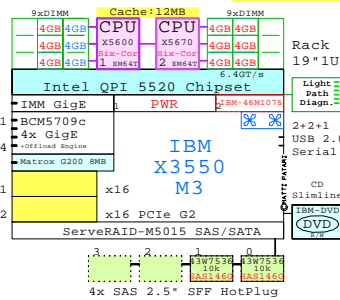
2200MHz 2P 12-Cor **DELL-R715-Axx**



2x 8Gb Fibre Channel to external storage

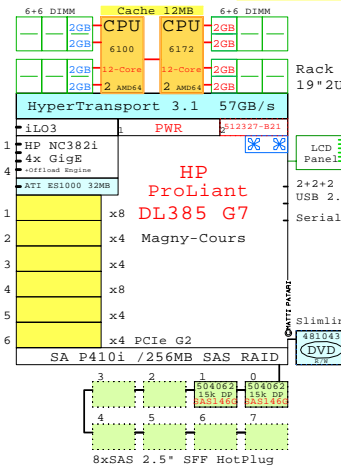
Intel Xeon X5670 x86-64

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



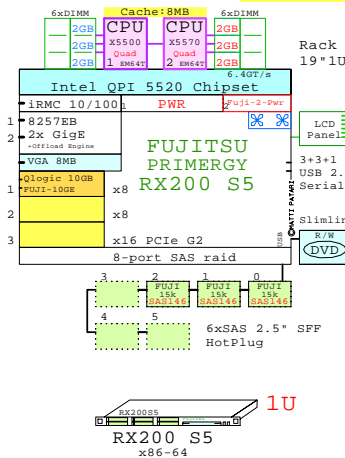
AMD Opteron 6172 x86-64

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



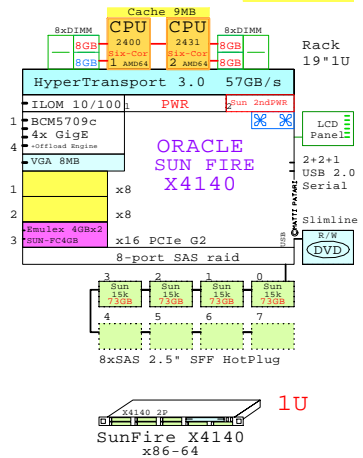
Intel Xeon X5570 x86-64

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>

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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>

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Your comments,improvements,are welcome.

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- <http://www.goldeneggs.fi/documents/GE-COMPARE-2P-2U-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-COMPARE-4P-4U-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-COMPARE-8P-8U-A.pdf>
- <http://www.goldeneggs.fi/documents/GE-COMPARE-TOWER-A.pdf>

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GOLDEN EGGS Visuals™ Helsinki	03-Jun-2011	GE-Welcomel
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