

# How To Read GOLDEN EGGS

## 2P-1U Intel Xeon Server

Cache Size

2nd CPU



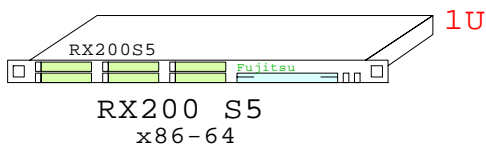
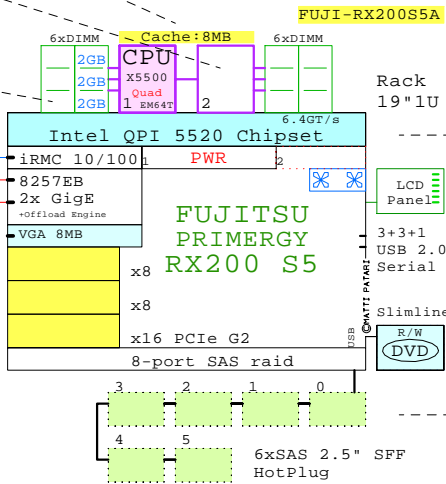
Optional DIMMs



On Systemboard:

- Manager
- 2x GbE
- VGA
- 3x PCIe
- SAS RAID

Intel Xeon X5570 x86-64  
2930MHz 2P-Quad



Processor Information

Order Number

Processor Connection

Optional Manager

On Systemboard:

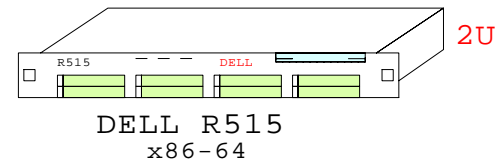
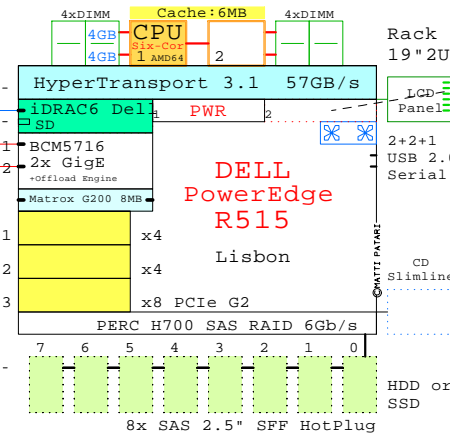
- 2x GbE
- VGA
- 3x PCIe
- SAS RAID

Optional Disks

## 2P-2U AMD Opteron Server

AMD Opteron 4184 x86-64  
2800MHz 2P 6-Core

Order Number



Optional 2nd Power

Redundant Fans

Misc. Connections

Optional CD

Next Two Pages:  
Dell R515 a typical GE  
SunFire X4800 Large GE



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

GoldenEggs x86 Home: <http://www.goldeneggs.fi>

Golden Eggs 1988-2011

Cook-Books [http://www.goldeneggs.fi/documents/GE\\_Cook\\_Book\\_picture.jpg](http://www.goldeneggs.fi/documents/GE_Cook_Book_picture.jpg)

DEC-Compaq <http://hl8000.www1.hp.com/info/GECPQA/>

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

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

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

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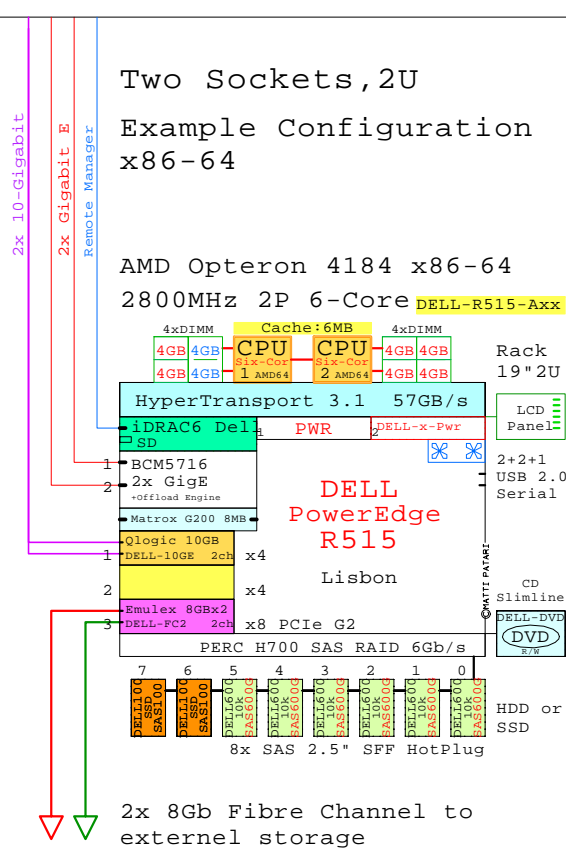
GOLDEN EGGS Visuals™ Helsinki	09-Jan-2011	GE-KEY-A
	Matti.Patari@Kolumbus.Fi	

To GOLDEN EGGS  
GOLDEN EGGS Visuals, Helsinki

DELL R515  
AMD Opteron

Internal Options:

- DELL-4184  
Six-Core 4148  
2800MHz 6MB
- DELL-4GB-1  
DDR3-SDRAM  
1x 4GB DIMM
- DELL-8GB-1
- DELL-16GB-1
- DELL-1-Pwr  
Second Pwr
- DELL-iDRAC6  
iDRAC6
- DELL-146GB  
146GB 10k SAS 2.5"
- DELL-300GB  
300GB 10k SAS 2.5"
- DELL-600GB  
600GB 10k SAS 2.5"
- DELL-100GB  
100 SSD SAS 2.5"
- DELL-DVD  
DVD R/W
- DELL-1GbE  
Dell GigabitE 2ch
- DELL-10GE  
Qlogic 10Gb CNA 2ch
- DELL-FC2  
Emulex FC 8Gb 2-ch



2x 8Gb Fibre Channel to external storage

Parts list for the 2P 6-Core DELL R515 system above

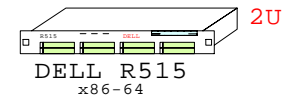
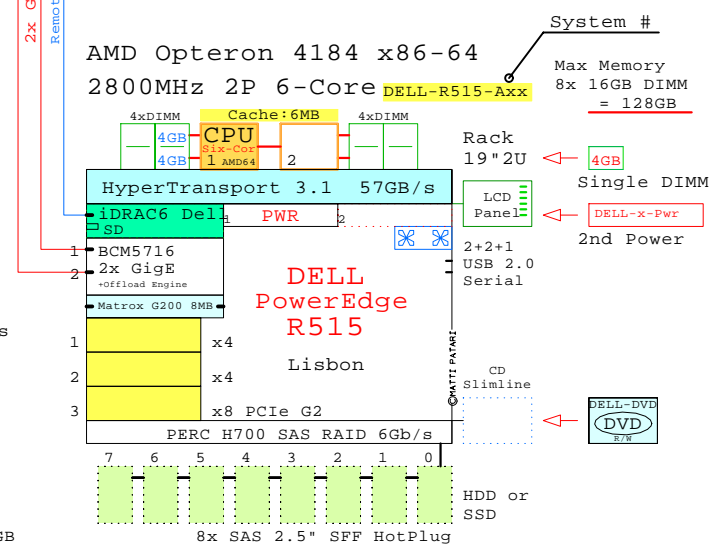
Part Number	Qty	Description
1	1	DELL-R515-A 1 DELL R515 2P 6C 4184 2.8GH 8GB AMD64 2U
1.1	1	DELL-1-Pwr 1 DELL R415 second power supply
1.2	2	DELL-100GB 2 Dell 100GB SATA SSD hot-plug disk 2.5"
1.3	1	DELL-10GE 1 DELL Qlogic 10Gb CNA 2-ch adapter
1.4	1	DELL-4184 1 AMD64 6C 4184 6MB 2.8GHz for R415
1.5	6	DELL-4GB-1 6 DELL 4GB PE Memory 1x4GB DIMM
1.6	6	DELL-600GB 6 DELL 600GB SAS 10000r hot-plug disk 2.5"
1.7	1	DELL-DVD 1 DELL CD-RW/DVD-ROM Option kit, slimline
1.8	1	DELL-FC2 1 DELL Emulex FC 8Gb 2-ch PCIe HBA
1.9	1	DELL-iDRAC6 1 DELL R415 iDRAC6

DELL PowerEdge R515 AMD Six-Core 2P/2U

- DELL-4184  
2nd processor  
Six-Core  
Cache 6MB
- iDRAC6 RJ-45 100/1000
- Two RJ-45 10/100/1000
- Matrox G200 8MB
- 3x PCIe I/O module slots
- DELL 2x1GbE  
DELL-1GbE 2ch
- Emulex 8GBx2  
DELL-FC2 2ch
- DELL 100GB SSD  
SAS100
- DELL 146GB SAS146G

Link to this document: <http://www.goldeneggs.fi/documents/GE-DELL-R515-A.pdf>

Lisbon, Opteron 4100  
2800MHz Six-Core



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

Tip for detail printing:  
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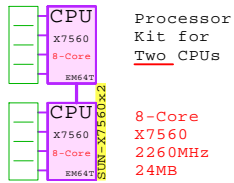
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GOLDEN EGGS Visuals™ Helsinki	24-Nov-2010	GE-DELL-R515-A Matti.Patari@Kolumbus.Fi
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DELL PE R515 AMD 4100 6-Core  
GOLDEN EGGS Visuals, Helsinki

SUN X4800  
Xeon X7560

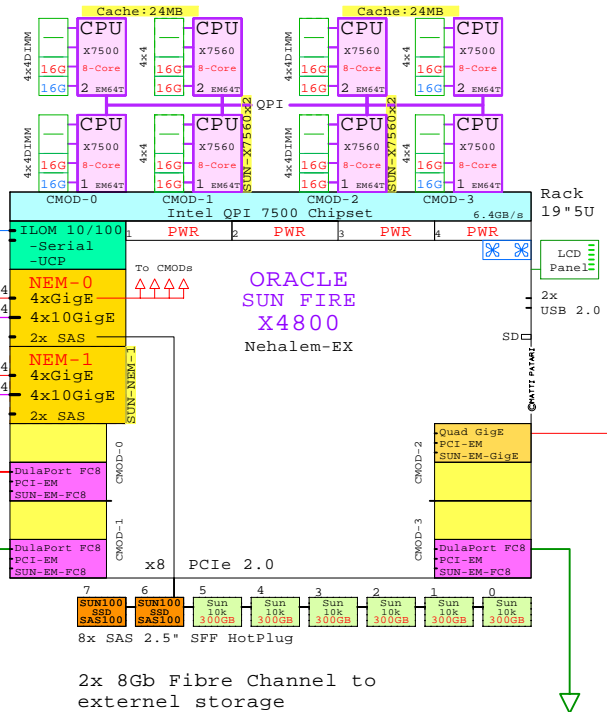
Internal Options:



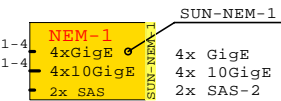
- Sun-16GB-4  
Four x4GB DDR3-SDRAM 4x 4GB
- Sun-32GB-4  
4x 8GB
- Sun-64GB-4  
4x 16GB
- Sun-146GB  
146GB 15k SAS 2.5"
- Sun-300GB  
300GB 10k SAS 2.5"
- SUN-100GB  
100GB SSD SAS 2.5"

Example Configuration  
x64

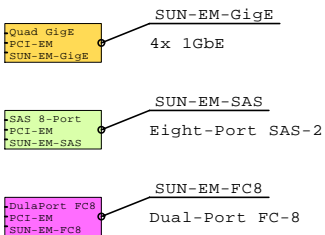
Intel Xeon X7560 x86-64  
2260MHz 8P-8Core



Network ExpressModule



PCIe 2.0 ExpressModules



Parts list for the 8P Eight-Core SUN X4800 system above

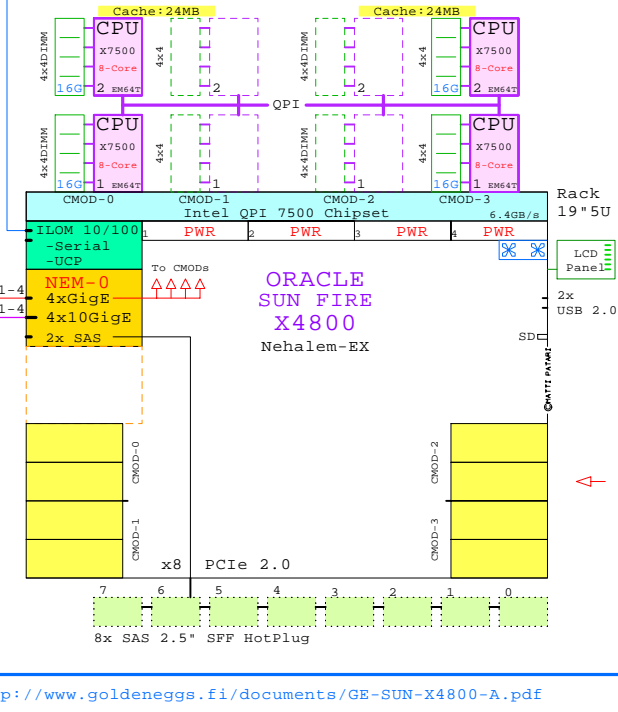
Part Number	Qty	Description
1	1	SUN-X4800-A 1 SunFire X4800 8P 8-C X7560 24MB 64GB 5U
1.1	2	SUN-100GB 2 SUN 100GB SAS SSD hot-plug disk 2.5"
1.2	3	SUN-EM-FC8 3 SUN Dual Port FC8 PCI-EM
1.3	1	SUN-EM-GigE 1 SUN Quad-Port GigE PCI-EM
1.4	1	SUN-NEM-1 1 SUN NEM Network Express Module
1.5	1	SUN-X7560x2 1 SUN 2x Xeon X7560 8-Core 2.26GHz 24MB Ki
1.5.1	4	Sun-16GB-4 4 Sun 16GB Memory option kit 4x4GB
1.6	1	SUN-X7560x2 1 SUN 2x Xeon X7560 8-Core 2.26GHz 24MB Ki
1.6.1	4	Sun-16GB-4 4 Sun 16GB Memory option kit 4x4GB
1.7	4	Sun-16GB-4 4 Sun 16GB Memory option kit 4x4GB
1.8	6	Sun 300GB SAS 10000r HotPlug 2.5" disk

- Memory Kit, Four DIMMs 16GB =4x4GB
- Processor Kit for Two CPUs
- ILOM RJ-45 10/100, UCP, Serial
- Network Express Modules
- NEM-0 4xGbE, 4x10GbE 2xSAS
- NEM-1 4xGigE 4x10GigE 2x SAS
- 4+4 PCIe 2.0 Express Modules
- Quad GigE PCI-EM SUN-EM-GigE
- DualPort FC8 PCI-EM SUN-EM-FC8
- Sun 10k SAS100
- Sun 15k 73GB

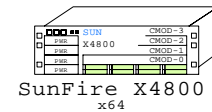
Nehalem-EX  
2260MHz Eight-Core

Max memory:  
128x16GB DIMMs  
= 2TB

Intel Xeon X7560 x86-64  
2260MHz 8P-8Core



GE-link to this document: <http://www.goldeneggs.fi/documents/GE-SUN-X4800-A.pdf>



Note,  
Modular Blade  
construction

SunFire X4800  
x64

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

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GOLDEN EGGS Visuals™ Helsinki	01-Nov-2010	GE-SUN-X4800-A
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SUN FIRE X4800 Intel Eight-Core 7500 8P/5U

SUN X4800 8P/5U x7560 2260MHz  
GOLDEN EGGS Visuals, Helsinki