

PRIMERGY RX100 S4

System configurator and order-information guide

August 2008

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PRIMERGY Server

Instructions

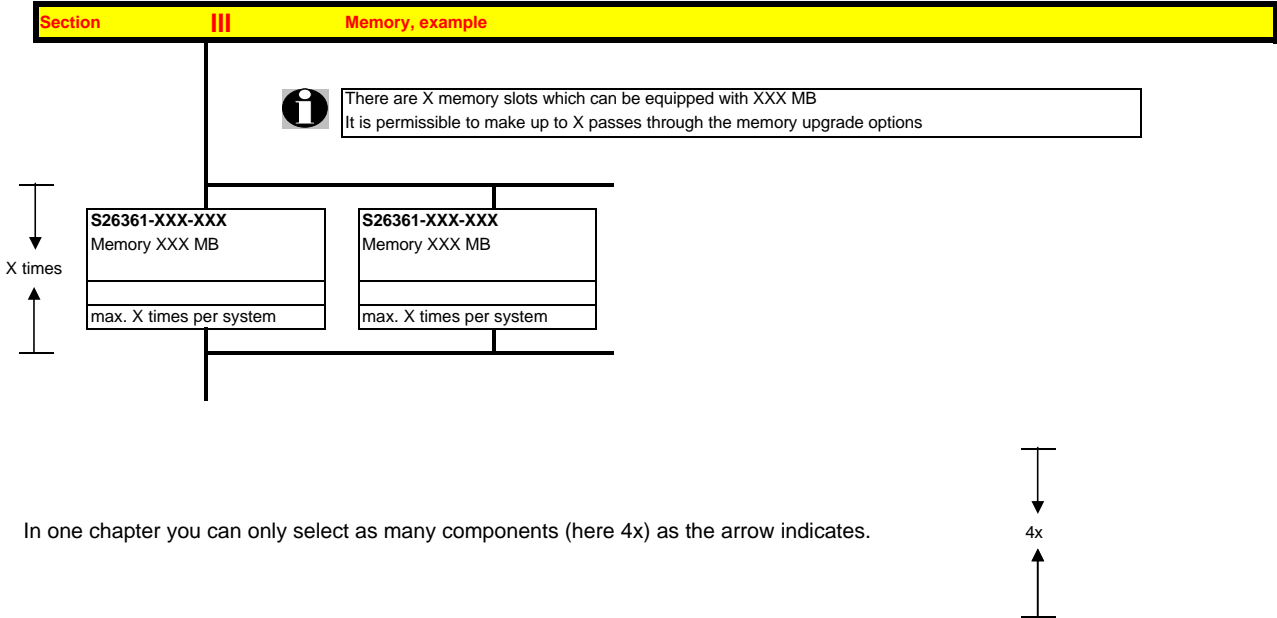
This document contains basic product and configuration information that will enable you to configure your system via PC-/System-Architect

Only these tools will ensure a fast and proper configuration of your PRIMERGY server or your complete PRIMERGY Rack system.

You can configure your individual PRIMERGY server in order to adjust your specific requirements.

The System configurator is divided into several chapters that are identical to the current price list and PC-/System-Architect.

Please follow the lines. If there is a junction, you can choose which way or component you would like to take. Go through the configurator by following the lines from the top to the bottom.



In one chapter you can only select as many components (here 4x) as the arrow indicates.

Please note that there are information symbols which indicate necessary information.

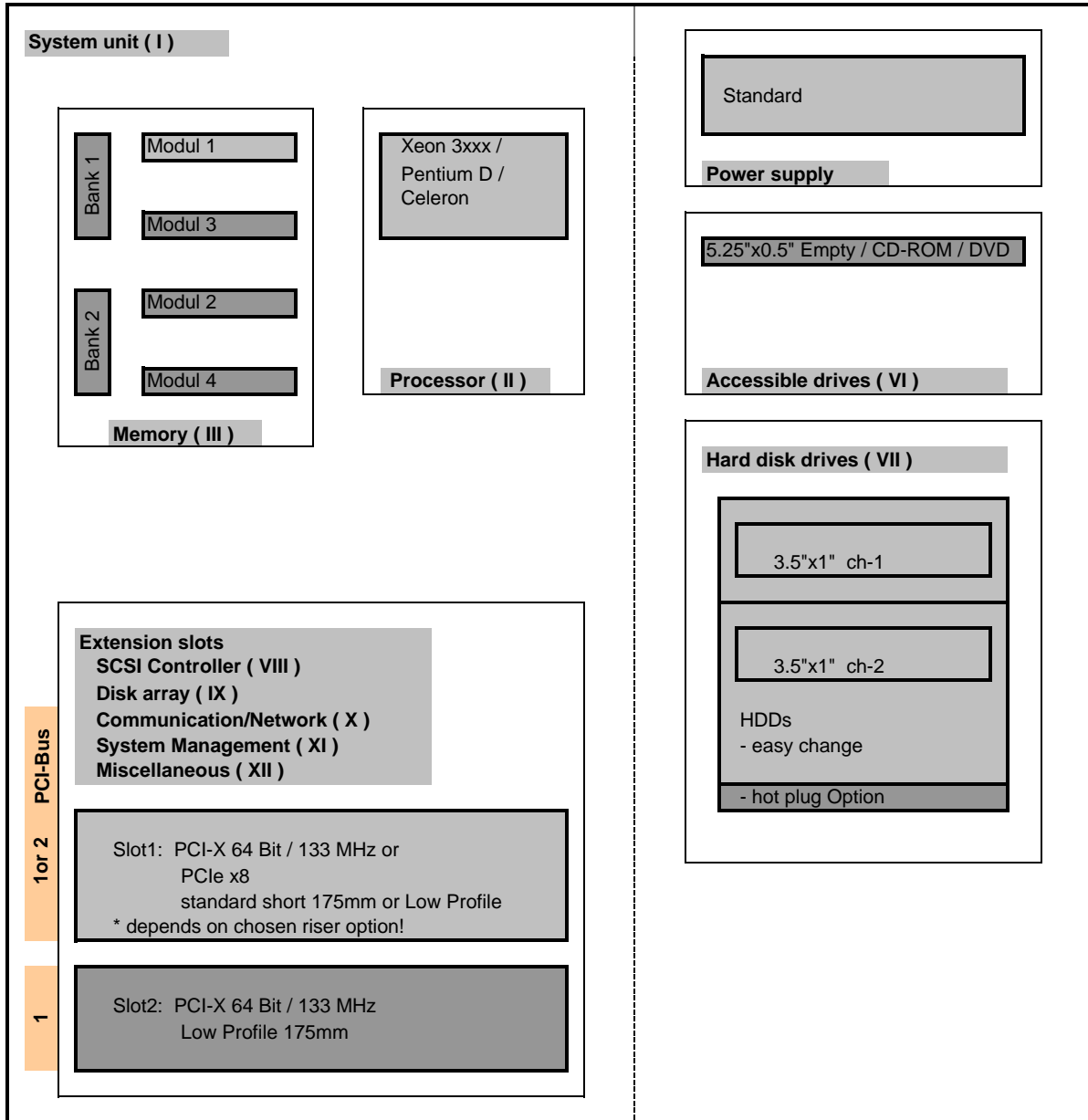


Further information in the internet see:

- <http://www.primergy.com> (internet)
- <http://extranet.fujitsu-siemens.com/primergy> (extranet)

Prices and availability see price list and PC-/System-Architect. Subject to change and errors excepted.

Configuration diagram PRIMERGY RX100 S4



Key:

 Included in basic unit

 Option

Start PRIMERGY RX100 S4

SW - Configurator 32 bit

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY Server

VMware-Software
- VCMS VirtualCenter Management Server

OEM-SW is bound to HW and is not allowed to be ordered separately.

i For all SW products please refer to the corresponding software configurator accessible via the Extranet under Configuration & Tools, -All configurations, -Software, URL see below.

MS - Software: W **)
 - Windows Server 2003 R2, Standard Edition
 ! Web Edition, SP2/English
 - Additional loose Client-Access-Licenses (CALs) (not for Web Edition)

PRIMECLUSTER *)
 - Clustering
 - Load Balancing

Linux - Software: **)
 - Open Enterprise Server ***)
 - SuSE Linux ES (OEM): LO
 - SuSE Linux ES (Support): LS
 - Red Hat EL (OEM): LO
 - Red Hat EL (Support): LS

Manageability Software: V)**
 - iRMC advanced Pack
 - RemoteView Software
 - RemoteDeploy
 - Altiris Server Deployment

i Details eg. version numbers are published in the separate SW-Configurator

i *) Pay attention to the PRIMECLUSTER release and ordering information in the Extranet under <http://extranet.fujitsu-siemens.com/primecluster>

i **) Pay attention to release and order information in PRINCE -> Operating System http://vil.mch.fsc.net/vil/pc/vil/primergy/overview/prince/index_en.htm

Backup-Software / Application-Software: U
 - ARCserve
 - openSM2

They find single software configurators and release lists (OS-matrix / system management / security) under following addresses:

for internal users: http://vil.mch.fsc.net/vil/oc/special/primergy/index_en.htm
 for partners: http://vilpart.fujitsu-siemens.de/vil/oc/special/primergy/index_en.htm

Continue with PRIMERGY HW configurator

Start PRIMERGY RX100 S4

SW - Configurator EM64T

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY Server



For all SW products please refer to the corresponding software configurator accessible via the Extranet under "Configuration & Tools, -All configurations, -Software, URL see below.

OEM-SW is bound to HW and is not allowed to be ordered separately.

only EM64T	Microsoft - Software: W
	- Windows Server 2003 R2, Standard x64 Edition - Additional loose Client-Access-Lizenzen (CALs)

only EM64T	Linux - Software *) (**)
	- SuSE Linux ES (OEM): LO - SuSE Linux ES (Support): LS - Red Hat EL (OEM): LO - Red Hat EL (Support): LS

only EM64T	Manageability Software: V**)
	- RemoteView Software



Details eg. version numbers are published in the separate SW-Configurator



*) Pay attention to the PRIMECLUSTER release and ordering information in the Extranet under <http://extranet.fujitsu-siemens.com/primecluster>



***) Pay attention to release and order information in PRINCE -> Operating System http://vil.mch.fsc.net/vil/pc/vil/primergy/overview/prince/index_en.htm

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Continue with PRIMERGY HW configurator

Section 1 | Basic unit



System unit consisting of:

*** 1U Housing including standard power supply**

- Standard Power Supply Unit

*** Fans**

- Fans for Power Supply and Chassis

*** Drives / Bays**

- 2 bays 1" for "easy change" HDDs --- hotplug upgrade option available
- 1 bay (for accessible drives) with
 - 1 IDE-CD- or DVD-ROM 0,5" height

Systemboard with:

- Mono Processor Board with LGA775 socket (s. section II)
- 4 memory slots (s. section III)
- **SATA or SAS RAID controller on-board** (s. section IX)
- 2* Gbit Ethernet LAN BroadCom 5715 on-board

*** iRMC (integrated Remote Management Controller) on-board server management and graphics controller**

Resolution: 1280 x 1024 at 8bpp or 1024 x 768 at 16 bpp

- 2 PCI slots (configuration dependend on choosen riser option):

- 1x PCIe x8 (standard short 175mm or Low Profile) and 1x PCI-X 64 Bit / 133 MHz (Low Profile 175mm) or
- 1x PCI-X 64 Bit / 133 MHz (standard short 175mm or Low Profile) and 1x PCI-X 64 Bit / 133 MHz (Low Profile 175mm)

Interfaces:

- 1x RS-232-C (serial, 9 pins) (usable for BMC or OS or shared)
- 1x keyboard (PS/2)
- 1x mouse (PS/2)
- 1x VGA (15 pins)
- 3x USB 2.0 (1x front and 2x rear)
- 2x LAN RJ45

Cables:

1. IDE cable for CD/DVD.
2. 2 SATA/SAS cables for up to 2 HDDs
3. Power cable

Software:

- ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates
- Documentation engl. (multilingual on CD)



Mounting kit for PRIMERGY RX100 S4 is part of the basic unit

- 1 pair of telescopic rails
- 1 Vario carrier DC-PC-3rd party Rack
allows toolless adjustable in depth and easy mounting

Mounting kit for mounting of servers in in FSC 19" PRIMECENTER- racks and all server racks conforming to EIA standard EIA-310-D for 19" racks.

Therefore the mounting kit is variable in depth from 704-790mm

Cables included in basic unit

Connections	Cable	PRIMERGY RX100 S4
1. IDE CD/DVD		
2. 2 SATA/SAS cables HDDs		

Key:
 68pins
 68 or 50pins
 IDE / S-ATA
 terminator

* while stocks last

A

Base Unit (for 19" racks) with SATA RAID controller

Processor:

Cel 352/3.2GHz/533MHz/512KB	- S26361-K987-V101 *
Xeon 3040 DC/1.86GHz/1066MHz/2MB	- S26361-K987-V121 *
Xeon 3050 DC/2.13GHz/1066MHz/2MB	- S26361-K987-V122 *
Xeon 3070 DC/2.66GHz/1066MHz/4MB	- S26361-K987-V124 *

Base Unit (for 19" racks) with SAS RAID controller

Processor:

Cel 352/3.2GHz/533MHz/512KB	- S26361-K987-V201 *
Xeon 3040 DC/1.86GHz/1066MHz/2MB	- S26361-K987-V221 *
Xeon 3050 DC/2.13GHz/1066MHz/2MB	- S26361-K987-V222 *
Xeon 3060 DC/2.4GHz/1066MHz/4MB	- S26361-K987-V223 *
Xeon 3070 DC/2.66GHz/1066MHz/4MB	- S26361-K987-V224 *

PRIMERGY Rack

S26361-F1647-E302
Installation ex works for one server or subsystem.
Hereby the rack will be delivered completely pre-mounted and all wired connections are tested.
 With racks 12U, 24U, 38U:
 Systems and components will be delivered installed in the rack
 With racks 46U:
 Systems and components will be delivered separately
 To be ordered only together with a PRIMERGY PRIMECENTER rack
 e.g.:
 S26361-K826-V10x
refer configurator PC-Rack
 max. 1x per System



"Rack-mounting ex factory"
 This service is to be ordered once per installable server/storage subsystem, in order to get the server/storage subsystem mounted into the PRIMERGY racks. In case of the 46 U PRIMERGY Rack, this service has to be ordered, to get the mounting kits and the cables installed.

B

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Section 2 II Processor

i Included in basic unit

Section 3 III Memory

i There are 2 memory banks with 2 DIMM slots each.

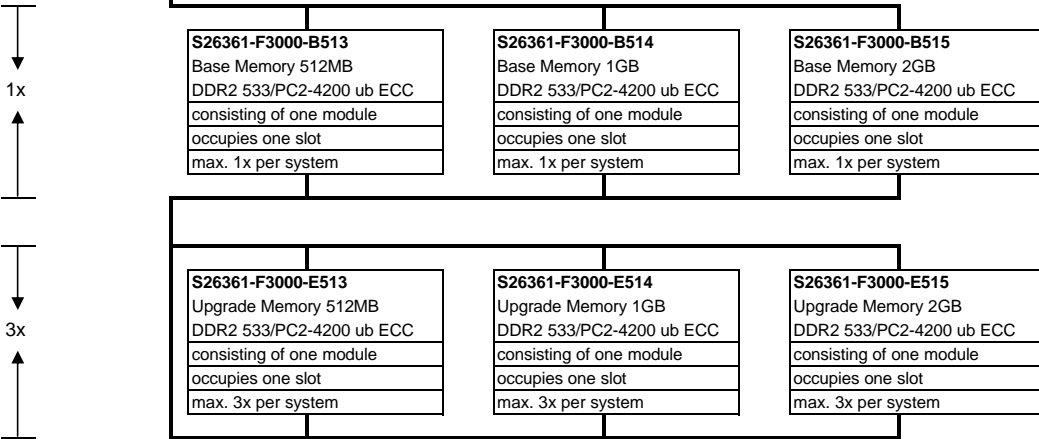
Single channel memory configuration allow maximum flexibility:
 Additional memory can be configured as single memory modules.

Dual channel memory configurations for maximum performance:
 For optimum performance memory has to be configured in pairs of memory modules with identical size.

- For each basic unit slot 1 has to be equipped with one memory module, which has to be ordered with the ordercode of a "Base Memory" (either 512MB, 1GB, 2GB)

Note:** The price of the smallest Base Memory is already included in the basic unit,
 The price of the other Base Memories is the Delta to the smallest Base Memory
 So additional memory extensions (Upgrade Memory) can still be configured up to three times for the standard market price.

** see note above



Section 4 IV Riser Card

S26361-E400-E1
 PCIe/PCI-X Riser Card
 1x PCIe x8 Standard/Low Profile
 1x PCI-X 64 Bit / 100 MHz Low Profile

S26361-E395-E1
 PCI-X Riser Card
 1x PCI-X 64 Bit / 100 MHz standard/Low Profile
 1x PCI-X 64 Bit / 100 MHz Low Profile

Section 5 V Graphics

i Graphics Controller is included in integrated remote Management Controlle iRMC.
 (1280 x 1024 at 8bpp, 1024 x 768 at 16bpp, Resolution 85Hz)

S26361-F2748-E531
 PY VGA card 128MB PCI-e x1
 NVIDIA NVS285
 128 MB PCIe-x1
 2x DVI or 2x VGA or
 1x DVI plus 1x VGA
 cables adapters included
 Dual head + fully 3-D
 supported for Windows OS
 not supported for Linux OS (native)
 full height bracket
 max. 1x per system

The high end optional NVIDIA NVS285 graphic card offers dual head operation and fully 3D video support.
 The cables for either two times DVI or VGA connections are part of the delievery.
Remote Video direction via iRMC must be disabled.
 This PCIe-x1 card can also be installed in any PCIe-x4, x8 or x16 slot.
 Only one card per server is allowed.

C

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Section 6 VI Accessible drives



Setup PRIMERGY RX100 S4 by ServerStart is supported with following configurations:

no DVD, no CD: remote installation only (PXE service & DHCP server required)
built in CD/DVD or USB CD/DVD: UNC Network share reachable or USB Floppy or MemoryBird connected



If installation is done locally, make sure you have internal or external FDD available for driver installation.

Following USB Components are available	
1) USB DVD+-RW: Super Multi DVD slim drive	S26391-F7119-L100 (USB cable included)
2) FDD USB (external): external USB FDD	S26391-F264-L226 (USB cable included)
3) USB Keyboard: KBPC PX D, professional keyboard	S26381-K340-V120
4) USB Mouse: Optical Wheel Mouse Tilt USB/PS2	S26381-K415-L100
5) USB Memorybird: Memorybird 2GB	S26391-F6047-L102

S26361-F3123-E1
CD-RW / DVD drive 0.5"
24/24/24x / 8x ATAPI
CD-RW only with W2K, W3K, Linux
0.5 x 5.25", anthracite bezel
max. 1x per system

S26361-F3236-E1
DVD-RW 8x super multi drive
all formats, DUAL/DL, DVD-RAM
only W2K, W3K and Linux
0.5 x 5.25", anthracite bezel
max. 1x per system

D

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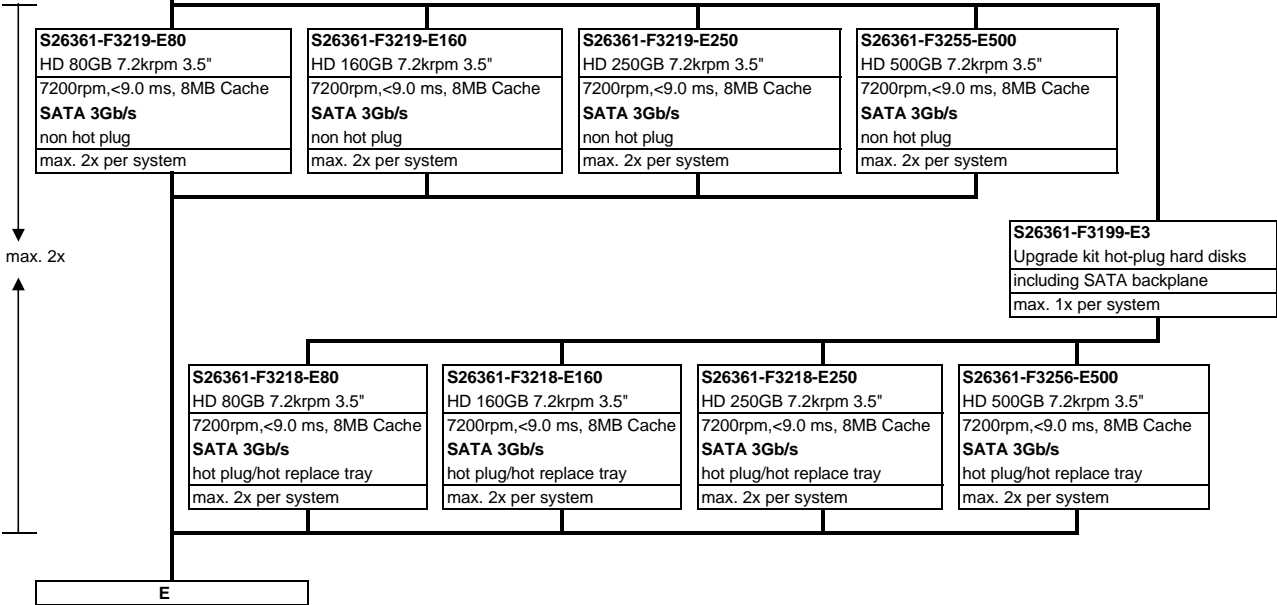
Section 7 VII Hard disk drives

i Every base unit is prepared for easy change SATA standard hard disks.
 An option for hot plug hard disks is possible to order.

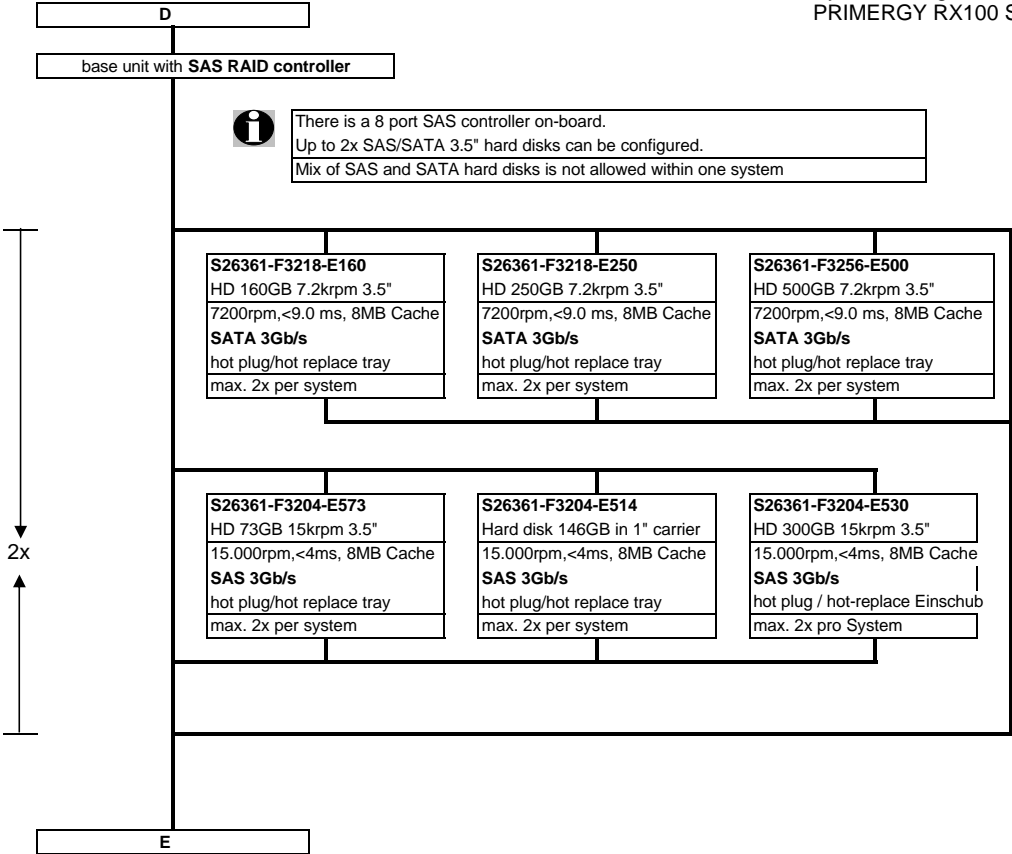
base unit with **SATA RAID controller**

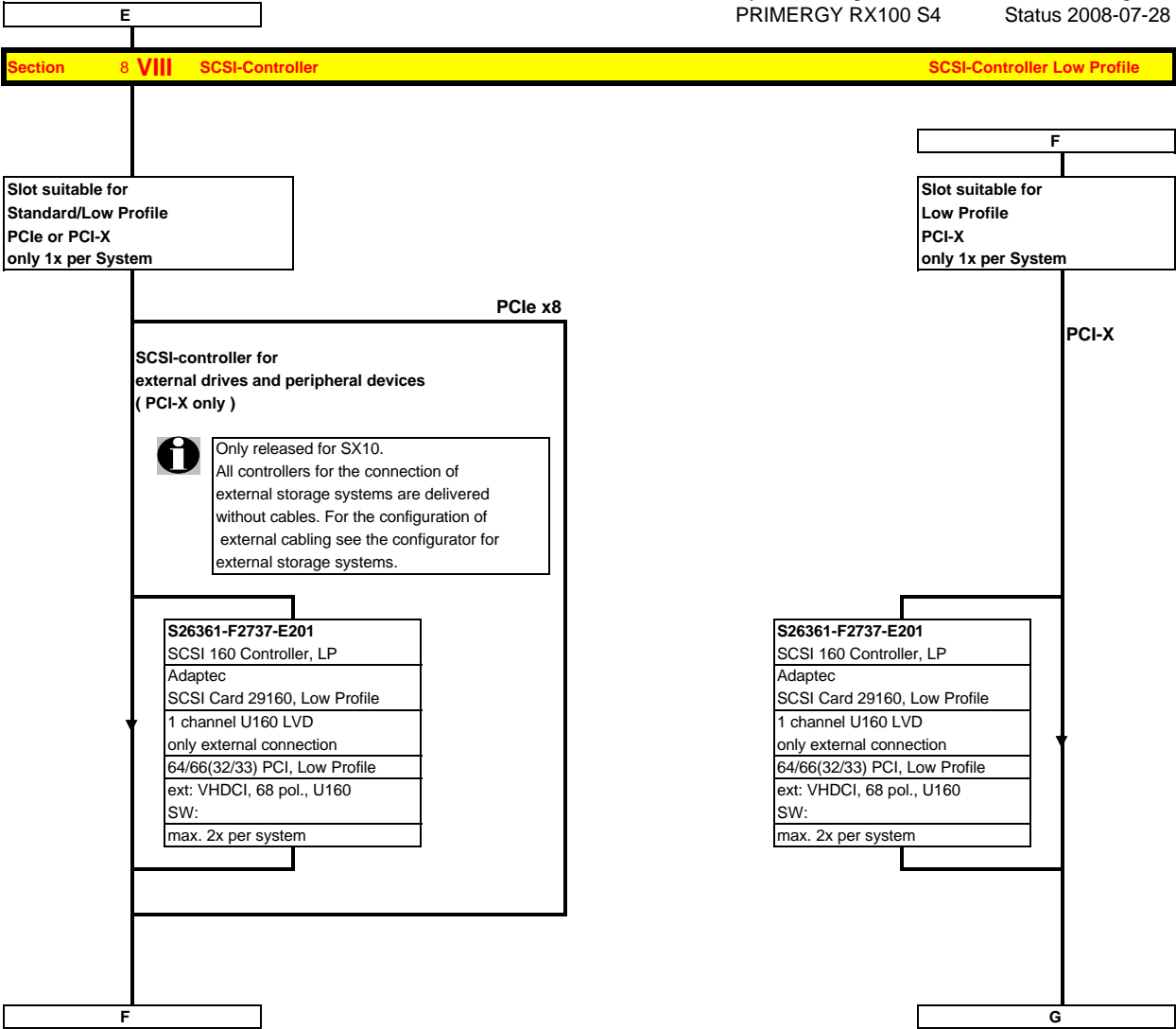
base unit with **SAS RAID controller**

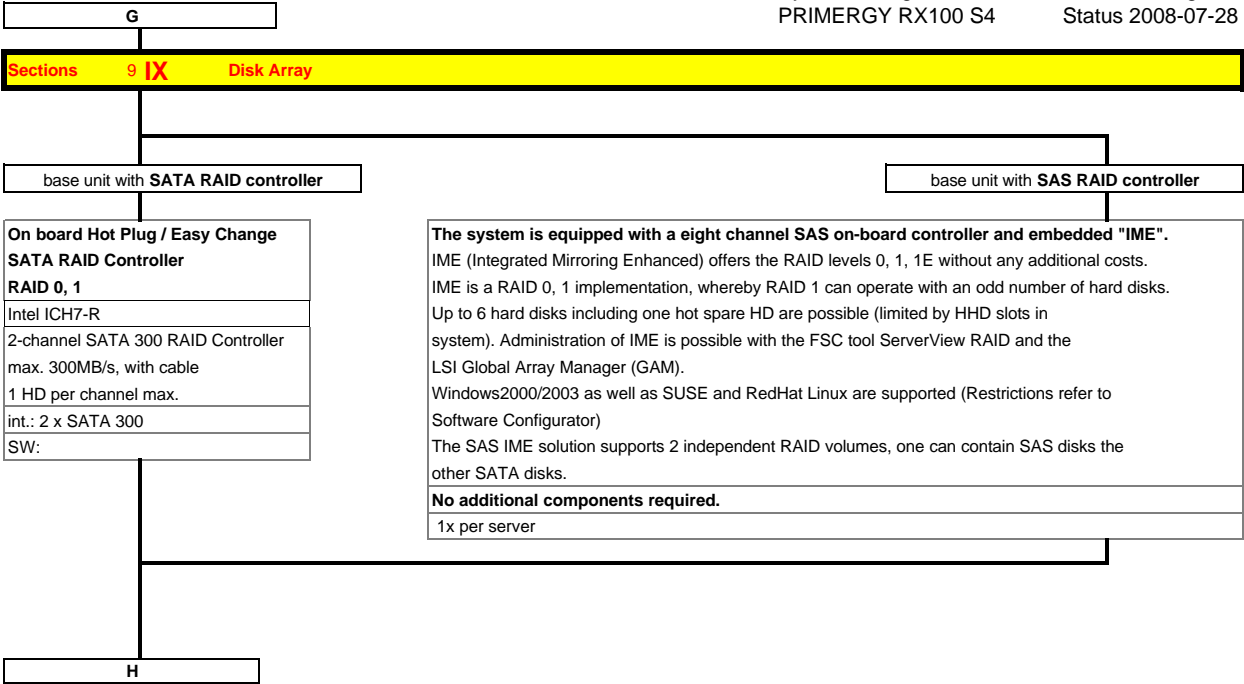
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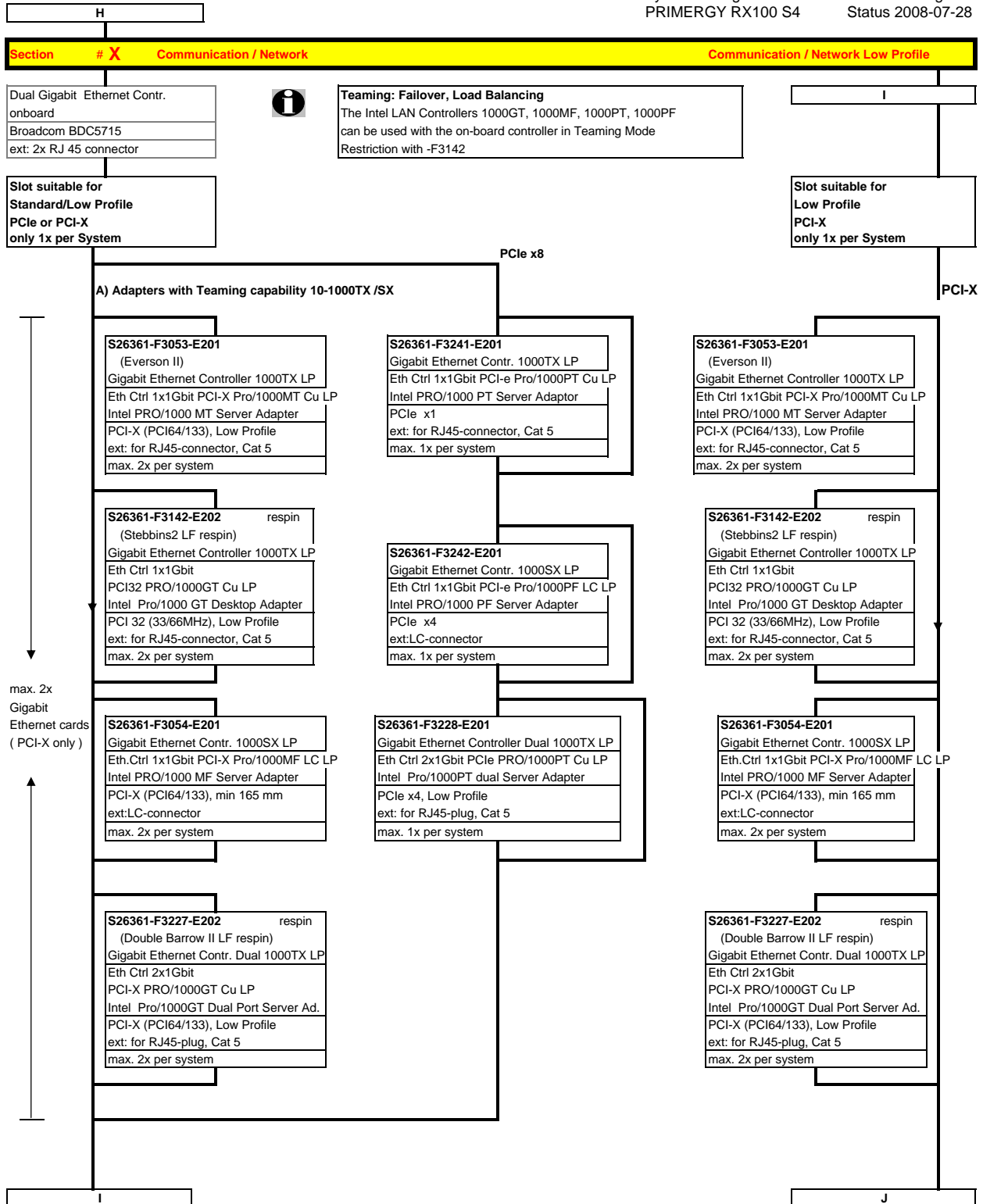


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Section # XI System Management Products (RemoteView)


S26361-F1790-E240
iRMC advanced pack
 integrated remote management controller
 activation key for
 graphical console redirection
 and remote media redirection
 max. 1x per system

S26361-F1790-E221
RemoteView Software V5.0
 Installation and configuration of
 RemoteView Web and LAN FrontEnd
 BMC-Manager, RTDS and FreeDOS
 Online manuals


Section # XII Miscellaneous


 **USB Input devices available:**

1) USB Keyboard: KBPC PX D, professional keyboard	S26381-K340-V120
2) USB Mouse: Optical Wheel Mouse	S26381-K403-L100

 **Options and other peripherals**
 For other options, refer to SystemArchitect and Pricelist
 These options are supplied lose with the shipment
 For suitable peripherals for this product, please refer to SystemArcitect

Section # XIII Country specific power cord

 **Country specific power cords are not required for rack versions, except for USA&Canada. Power cords are shipped in a rack version with inlet connector for non-heating apparatus. (1x with Standard PSU)**

 **T26139-Y1742-E10 USA, Canada**
 For shipments to USA&Canada, you have to order one power cord (1,8m, grey) per power supply

End PRIMERGY RX100 S4

