

# PRIMERGY RX200 S6

## System configurator and order-information guide

June 2012



### Contents

4x or 6x 2.5" Hot-plug HDD or SSD



8x 2.5" Hot-plug HDD or SSD



### Instructions

#### Configuration diagram

#### Configurator

- 0 System software
- I Basic unit
- II Processor
- III Memory
- IV Graphics
- V Accessible drives
- G-VI Drive Bay for 6x 2.5" HD Basic Unit
- G-VII Modular Raid 0/1, Raid5 for 4x 2.5" or 6x 2.5" SAS or SATA HD or SSD.  
On-board Controller for 4x 2.5" SATA HD`s
- G-VIII 4x or 6x 2.5" SAS / SATA Hard disk drives
- G-IX 4x 2.5" SATA HD or SSD
- H-VI Drive Bay for 8x 2.5" HD Basic Unit
- H-VII Modular Raid 0/1 and Raid5 Controller for 8x 2.5" SAS or SATA HD`s
- H-VIII 8x 2.5" SAS / SATA HD or SSD
- X External SAS Disk Array, SAS backup drives or SCSI peripheral devices
- XI Fibre-Channel controller
- XII Communication/Network
- XIII System Management Products (RemoteView)
- XIV Miscellaneous
- XV Country specific power cord
- XVI Energy Star

#### Change report

## PRIMERGY Server

# Instructions

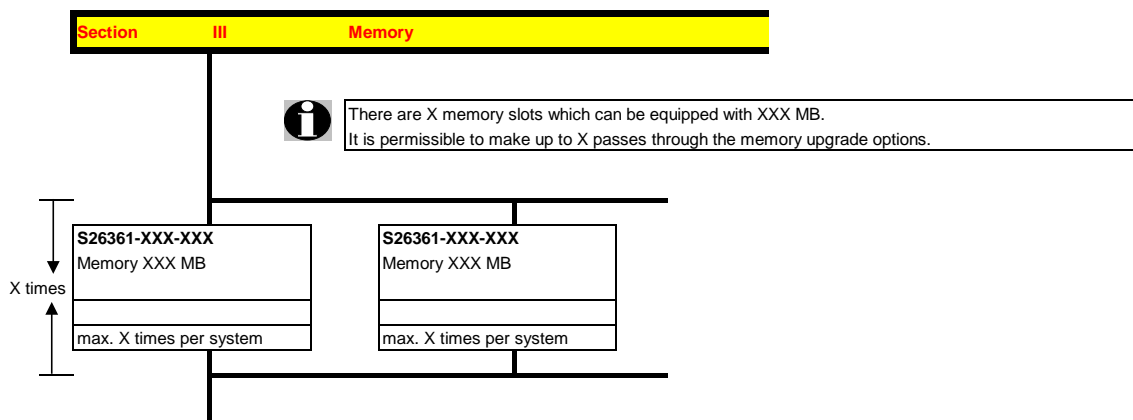
This document contains basic product and configuration information that will enable you to configure your system via PC-/SystemArchitect.

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

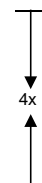
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

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

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.



**For further information see:**

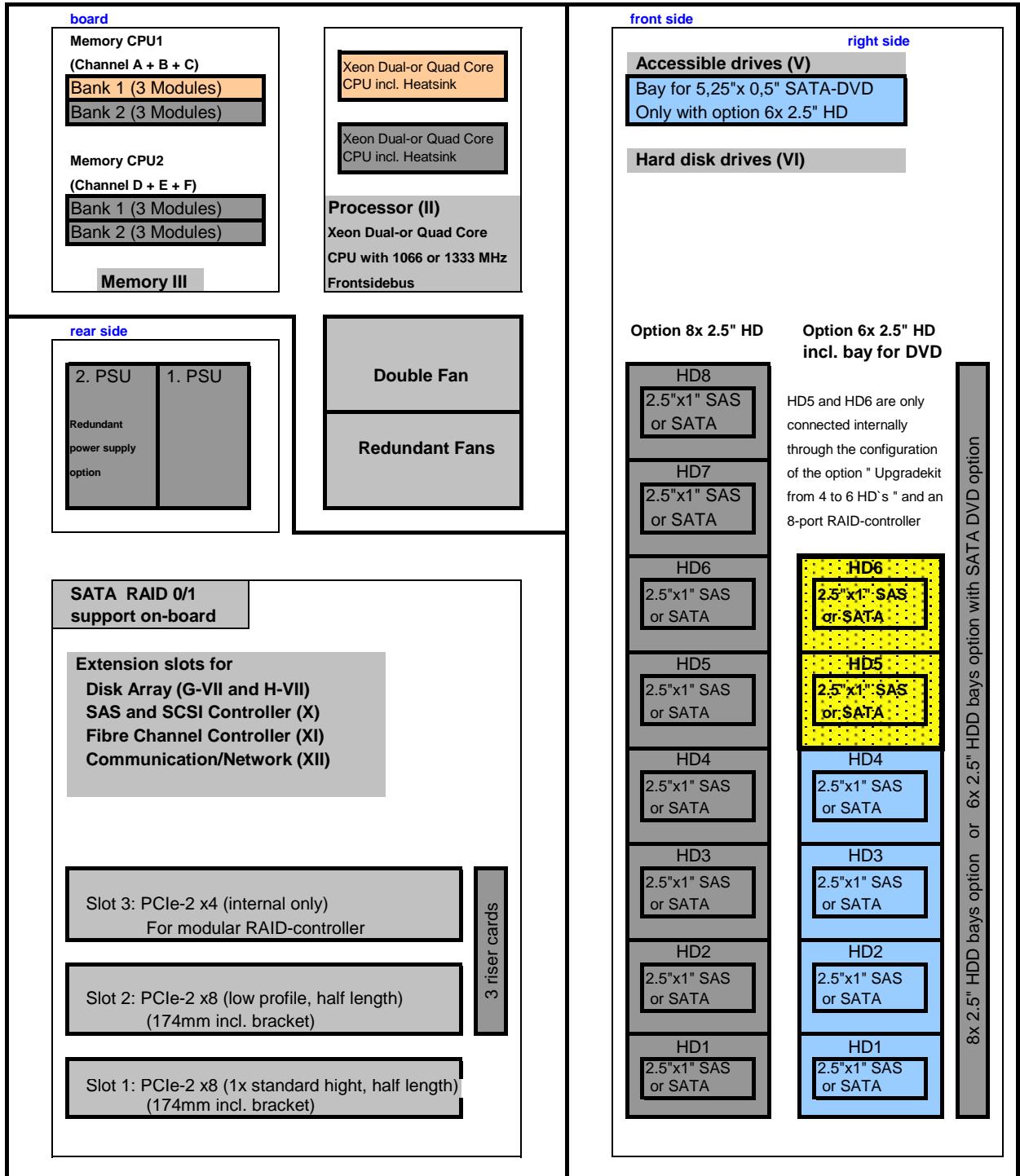
[http://ts.fujitsu.com/products/standard\\_servers/index.html](http://ts.fujitsu.com/products/standard_servers/index.html) (internet)

[https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy\\_config/current/Pages/default.aspx](https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.aspx) (extranet)

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

## Configuration diagram PRIMERGY RX200 S6

### System unit (I)



Key:

Included in basic unit     or     = Option

One CPU (first CPU) and one memory (first memory) has to be selected for an orderable basic unit.

Start PRIMERGY RX200 S6

**SW Configurator 32 bit**

**with OEM-Software**  
for PRIMERGY Server

**without OEM-Software**  
for PRIMERGY Server

**VMware-Software**

- VirtualCenter Management Server for any server released for Windows Server 2003
- Virtual Infrastructure 3 for PRIMERGY > except all mono PRIMERGY systems
- ESX2 for PRIMERGY RX/TX300S2, RX/TX600S3, BX620S2, BX630 Dual/Quad, BX630 8-way

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

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

**Microsoft - Windows Server 2008 Server Licenses**

- Windows Server 2008 Enterprise
- Windows Server 2008 Standard
- Windows Server 2008 Foundation
- Windows Web Server 2008

**Linux - Software \*\*)**

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

**PRIMECLUSTER \*)**

- Clustering
- Load Balancing

**Microsoft - Windows Server 2008 Client Access Licenses**

- Windows Server 2008 Device CAL
- Windows Server 2008 User CAL
- Windows Server 2008 Remote Desktop Services Device CAL
- Windows Server 2008 Remote Desktop Services User CAL


**SCO - Software: \*\*)**

- SCO OpenServer (only 1- and 2-way Tower servers)
- SCO UnixWare (only 1-, 2, and 4-way Tower and Rack servers)

**x10sure \*)**


- x10sure Control Nodes and Compute Nodes
- Windows Server 2003 Compute Nodes for PRIMERGY BX600, RX/TX


**MultiPath, Duplex Data Manager (DDM) W2K; W2K3 Linux (W-DDM)**  
for PRIMERGY except all mono PY systems

 Details eg. version numbers are published on the page referred to

**Manageability Software: V\*\*)**

- iRMC advanced Pack
- RemoteView Software
- RemoteView Service Board
- RemoteView Diagnosis
- RemoteDeploy


 \*) Pay attention to the x10sure release and ordering information in the Extranet under <https://ts.fujitsu.com/x10sure>

 \*) Pay attention to the PRIMECLUSTER release and ordering information in the Extranet under <https://partners.ts.fujitsu.com/com/products/software/cluster%20technology/primecluster/Pages/default.aspx>

 \*\*) Pay attention to release and order information in PRINCE -> Operating System <https://partners.ts.fujitsu.com/com/products/servers/primerqv/Pages/default.aspx>

**Backup-Software / Application-Software: U**

- ARCServe
- openSM2

 \*\*\*) Supply over distribution or procurement from FSC VP BC Software

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

for internal users: <http://sp.ts.fujitsu.com/dmsp/docs/osrel.xlsx>  
 for partners: <https://partners.ts.fujitsu.com/com/products/servers/primerqv/Pages/default.aspx>

**Continue with PRIMERGY HW configurator**

Start PRIMERGY RX200S6

**SW Configurator 64 bit (EM64T / IA64)**

**with OEM-Software**  
for PRIMERGY Server

**without OEM-Software**  
for PRIMERGY Server

**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.

OEM- SW is bound to HW and is not allowed to be ordered separately.  
 Exceptions: VMware SW, Citrix XenServer

**VMware-Software**  
 - VirtualCenter Management Server for any server released for Windows Server 2003  
 - Virtual Infrastructure 3 for PRIMERGY > except all mono PRIMERGY systems  
 - ESX2 for PRIMERGY RX/TX300S2, RX/TX600S3, BX620S2, BX630 Dual/Quad, BX630 8-way

**Citrix XenServer / Essentials for XenServer**  
 - XenCenter Management Server for any server released for Windows 2000/XP/Vista and Server 2003/2008  
 - XenServer and Essentials for XenServer released for RX200S5, RX300S4/S5, RX600S4, BX620S4/S5, BX920S1

**Microsoft Hyper-V Server and System Center**  
 - Microsoft System Center Virtual Machine Manager Workgroup Edition for any server released for Windows Server 2008 R2  
 - Microsoft System Center Essentials Management Suite for any server released for Windows Server 2008 SP2  
 - Microsoft Hyper-V Server 2008 R2

**Microsoft - Windows Server 2008 R2 Server Licenses**  
 - Windows Server 2008 R2 Datacenter  
 - Windows Server 2008 R2 Enterprise  
 - Windows Server 2008 R2 Standard  
 - Windows Server 2008 R2 Foundation  
 - Windows Web Server 2008 R2

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

**Microsoft - Windows Server 2008 Server Licenses**  
 - Windows Server 2008 Datacenter  
 - Windows Server 2008 Enterprise  
 - Windows Server 2008 Standard  
 - Windows Server 2008 Foundation  
 - Windows Web Server 2008

**PRIMECLUSTER \*)**  
 - Clustering  
 - Load Balancing

**Microsoft - Windows Server 2008 Client Access Licenses**  
 - Windows Server 2008 Device CAL  
 - Windows Server 2008 User CAL  
 - Windows Server 2008 Remote Desktop Services Device CAL  
 - Windows Server 2008 Remote Desktop Services User CAL

**QuickTransit (QT)**  
 only EM64T Transition Solaris Apps. to x86-64 PY with Linux

only EM64T **MultiPath, Duplex Data Manager (DDM)**  
 Windows, Linux (W-DDM)

**i** Details eg. version numbers are published on the page referred to

only EM64T **Manageability Software: V\*\*)**  
 - iRMC advanced Pack  
 - RemoteView Software  
 - RemoteView Service Board  
 - RemoteView Diagnosis  
 - RemoteDeploy

**i** \*) Pay attention to the PRIMECLUSTER release and ordering information in the Extranet under <https://partners.ts.fujitsu.com/products/software/cluster%20technology/primecluster/Pages/default.aspx>

**i** \*\*) Pay attention to release and order information in PRINCE -> Operating System <https://partners.ts.fujitsu.com/com/products/servers/primerqy/Pages/default.aspx>

**i** \*\*\*) Supply over distribution or procurement from FSC VP BC Software

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

for internal users: <http://sp.ts.fujitsu.com/dmsp/docs/osrel.xlsx>  
 for partners: <https://partners.ts.fujitsu.com/com/products/servers/primerqy/Pages/default.aspx>

**Continue with PRIMERGY HW configurator**

## Section | Basic unit



## System unit consisting of:

## \* 1U Housing including

- power cord rack 4m length  
(PSU has to be configured min 1x)

## \* Fans

- Redundant and hot plug system fans (6x)

## \* Drives / Bays

- 6x 2.5" SAS / SATA HDD option or 8x 2.5" SAS / SATA HDD option

(Four bays are supported with the onboard SATA controller or with the 1064 modular RAID controller  
6 or 8 bays are supported with the 1068 and 1078 modular RAID controllers.)

- 1 bay SATA DVD-ROM 0,5" height (option)

## \* Integrated ServerView Diagnostics Technology for indication of internal failed components

## Options:

## \* 450W / 770W PSU, 2nd hot plug power supply module for redundancy

## \* Two optional Rackmount kits

RMK-F1\_RX100-200-300 (full extraction) or  
RMK-ST\_RX100-200 (partial extraction with lower cost)

## \* 6x 2.5" HD backplane kit (SAS 2.0) with additional DVD option

## \* 8x 2.5" HD backplane kit (SAS 2.0; no DVD possible)

- Optional modular RAID 0/1/1e controller with IME (Integrated Mirroring Enhanced) support based on LSI 1064 / 1068 chipset or as alternative
- optional modular RAID 5 controller based on LSI 1078 chipset

## \* LED's in the front panel for indication of a failed CSS component (Customer Self Service)

Simultaneously components are marked which can be replaced by the customer.

This LEDs can be displayed during service even without mains connection.

## Systemboard D2786 with:

## \* Up to two Xeon Dual Core, Quad-Core or Turbo Quad/Six Core CPU's (Westmere-EP, LGA 1366 socket) with serial QPI links (Quick Path Interconnect) and three memory channels per CPU

First CPU has to be selected for an orderable basic unit,

## \* Chipset Intel® 5500 (codenamed Tylersburg-24D = Tylersburg-EN)

## \* ICH10R Southbridge with onboard SATA-RAID 0/1 support

## \* 3 PCIe slots

- 1x PCIe-2 x8 (standard and Low Profile cards) and 1x PCIe-2 x8 (Low Profile cards only)
- 1x PCIe-2 x4 internal for modular RAID controller only

## \* 12 memory slots for max. 192GB with 16GB registered DDR3 RAM or max. 24GB with 2GB unbuffered DDR3 RAM available

- Memory is divided into 6 DIMMs per CPU (3 channels with 2 slots per channel)

- Max. 2x registered modules or 2x unbuffered modules are possible per channel

- No mix of registered and unbuffered modules is allowed

- First Memory (one module) has to be selected for an orderable basic unit per CPU

- Memory upgrade is possible module wise for the Independent Channel Mode or

for the Performance Mode,

- Mirrored Channel Mode is supported with 2 identical modules in channel A+B CPU 1 or D+E CPU 2

- Spare Channel Mode is supported with 3 identical modules in channel A+B+C CPU 1 or D+E+F CPU 2

- SDDC (Chipkill) is supported only for registered memory modules,

## \* 4-port SATA controller on-board included in Intel Southbridge ICH10R for SATA Raid0/1,

Max. 4 SATA HD's are supported

## \* One SATA port on-board for 1x DVD integrated in the Intel Southbridge ICH10R

## \* Dual Port 10/100/1000 x4 PCI Express\* Gigabit Ethernet Intel LAN controller 82575EB (Zoar) on-board

## \* iRMC S2 (integrated Remote Management Controller) on-board server management controller with dedicated 10/100 Service LAN-port and integrated graphics controller.

The Service LAN-port can be switched alternatively on standard Gbit LAN port 1

## \* Graphics Controller integrated in iRMC S2 (integrated Remote Management Controller):

1600x1200x16bpp 60Hz, 1280x1024x16bpp 60Hz, 1024x768x32bpp 75Hz, 800x600x32bpp 85Hz,  
640x480x32bpp 85Hz

(1280x1024x24bpp 60Hz only possible if local monitor or remote video redirection is off)

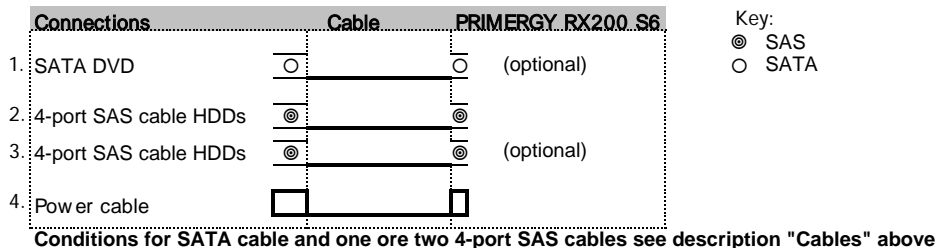
A

<p><b>Interfaces at the rear:</b></p> <ul style="list-style-type: none"> <li>* 1x RS-232-C (serial, 9 pins) (usable for BMC or OS or shared)</li> <li>* 1x VGA (15 pins): If Front-VGA is used, then Rear-VGA is disabled</li> <li>* 3x USB 2.0 (UHCI) with 480MBit/s, no USB wakeup</li> <li>* 2x LAN RJ45, 1x Service-LAN RJ45</li> </ul>
<p><b>Interfaces on the front:</b></p> <ul style="list-style-type: none"> <li>* 3x USB 2.0 (UHCI) with 480MBit/s, no USB wakeup</li> <li>* 1x VGA (15 pins): If Front-VGA is used, then Rear-VGA is disabled</li> </ul>
<p><b>Interfaces internal:</b></p> <ul style="list-style-type: none"> <li>* 1x USB 2.0 (UHCI) with 480MBit/s for dongle functionality (uSSD memory), no USB wakeup</li> <li>* 1x SATA interface for DVD (only usable with 6x 2.5" HDD + DVD Option)</li> <li>* 4x SATA interface for 4 SATA HD's (only usable with 6x 2.5" HDD + DVD Option)</li> </ul>
<p><b>Cables:</b></p> <ol style="list-style-type: none"> <li>1. One SAS cable for up to 4 internal hot plug HDDs within the <b>6x 2.5" HDD + DVD Base Unit</b>              Second SAS cable is optional for port 5 and 6 if max 6 HD's are required</li> <li>2. Two SAS cables for up to 8 internal hot plug HDDs within the <b>8x 2.5" HDD base unit</b></li> <li>3. Power cable</li> </ol>
<p><b>Software:</b></p> <ul style="list-style-type: none"> <li>- ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates</li> <li>- Documentation engl. (multilingual on CD)</li> </ul>



<p><b>Mounting kits for PRIMERGY RX200 S6</b></p> <ul style="list-style-type: none"> <li>- 1 pair of telescopic rails either full or partial extraction              with partial extraction server can not be fully pulled out, but lower cost version of RMK</li> <li>- 1 Vario carrier DC-PC-3rd party Rack              allows toolless adjustable in depth and easy mounting</li> </ul> <p><b>Mounting kit for mounting of servers in FSC 19" PRIMECENTER- racks and all server racks conforming to EIA standard EIA-310-D for 19" racks.</b>              Therefore the mounting kit is variable in depth from 704-790mm</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Cables included in basic unit**



B

**B**

<b>Rack version for 19" racks with</b>	
<b>NO PSU included in Base Unit</b>	
<b>No Rack-mounting kit included</b>	
For an orderable basic unit one CPU = first CPU, one memory = first memory one PSU = first PSU as well as one of two <b>possible rack-mount kit options has to be selected</b>	
Basic unit with	
<b>6x 2,5" HDD + ODD Bay, no PSU</b>	<b>S26361-K1342-V101</b> ★
Basic unit with	
<b>8x 2,5" HDD bays, no ODD bay, no PSU</b>	<b>S26361-K1342-V201</b> ★

<b>S26113-F570-E1</b> ★
<b>450W PSU module / 92% eff</b>
(2nd PSU for redundancy)
uses hot plug PSU slot
min. 1 / max. 2x per system

<b>S26113-F539-E1</b> ★
<b>770W PSU module</b>
(2nd PSU for redundancy)
uses hot plug PSU slot
min. 1 / max. 2x per system

**i** Full redundancy cannot be guaranteed for a max. configuration with e.g. two 130W CPUs. In this case SysArch will generate a warning and Powersafeguard will throttle CPUs and memory in case of a PSU failure. So, power consumption will be limited to 450W.

<b>i</b>	<b>For later redundancy upgrade the following kit is available:</b>
	One 450W power supply module hot plug incl. power cord
	<b>S26113-F570-L1</b>
	One 770W power supply module hot plug incl. power cord
	<b>S26113-F539-L1</b>

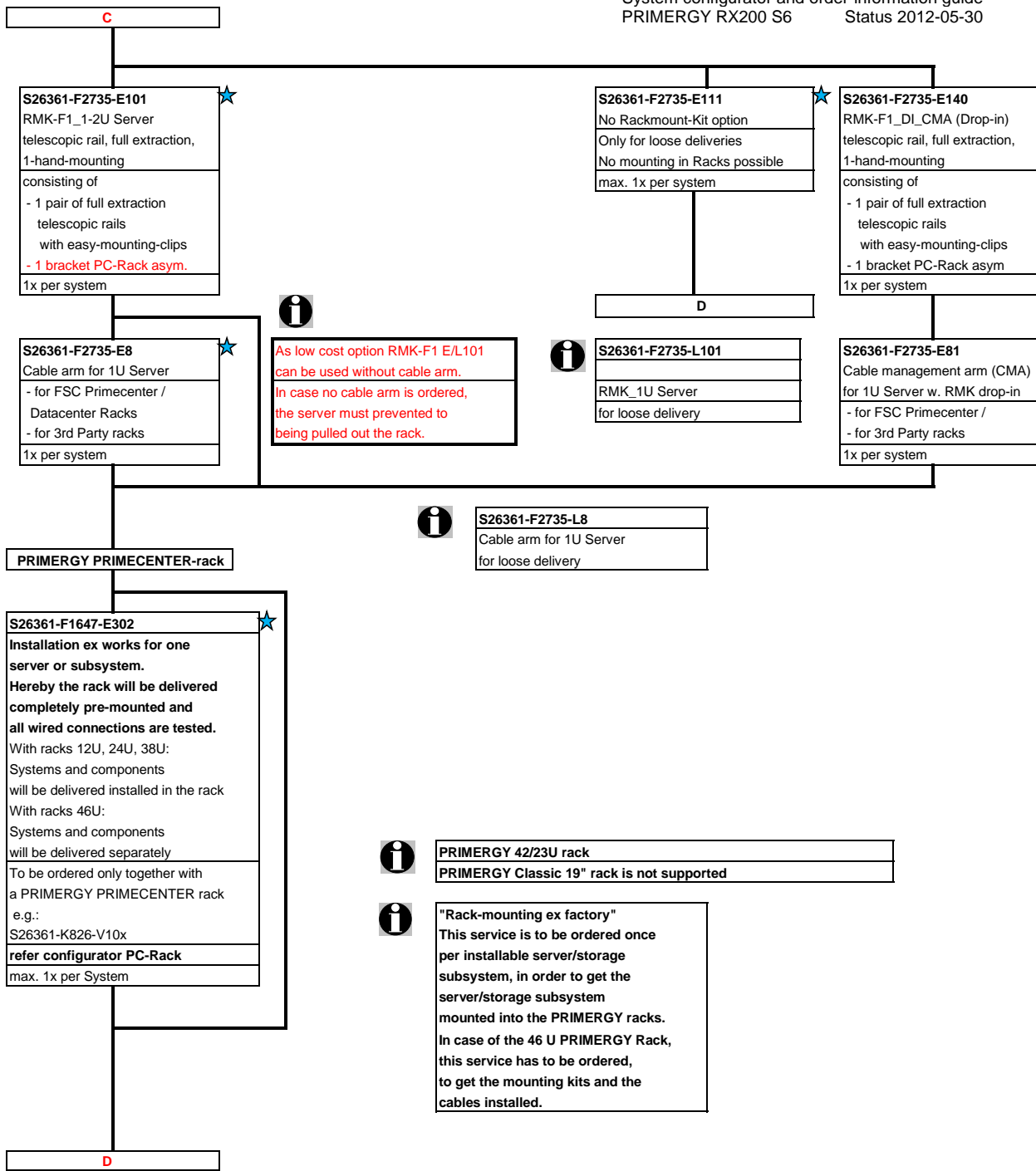
<b>S26361-F3552-E1</b> ★
TPM Module
Trusted Platform Module on Motherboard
Use according to import restrictions
max. 1x per system

**i** Be aware of import restrictions!  
Only 1 TPM per system.  
Loose delivery for later integration possible for customer.

<b>i</b>	<b>S26361-F3552-L1</b>
	TPM Module add-on kit
	for later integration (loose delivery)
	Trusted Platform Module on Motherboard
	Use according to import restrictions
	max. 1x per system

**C**





D

**Section II Processor**



There are 2 processor sockets available.  
The first socket is always equipped with the **first CPU** which can be selected via configurator  
It is also possible to upgrade a dual-processor system later on with a **second CPU**  
**Two processors with different clock frequencies are not possible**  
A multi-processor operating system is required for a dual-processor system.

<b>Max. two CPU's can be selected per basic unit</b>	
<b>One of following CPU's has to be selected as first CPU for an orderable basic unit</b>	
<b>Optional second CPU has to be the same type like the first CPU</b>	
<b>Dual-Core CPU</b>	
- 1x 64-bit Intel Xeon (4MB shared TLC = Third Level Cache) 800 MHz DDR3 Bus, 4,80 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
<b>Xeon E5503 2C/2.00GHz/2M/4,80GT/s (80W)</b>	<b>S26361-F3286-E200</b>
<b>Quad-Core CPU's</b>	
- 1x 64-bit Intel Xeon (4MB shared TLC = Third Level Cache) 800 MHz DDR3 Bus, 4,80 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
<b>Xeon E5506 4C/2.13GHz/4M/4,8GT/s (80W)</b>	<b>S26361-F4479-E213</b>
<b>Xeon E5507 4C/2.26GHz/4M/4,8GT/s (80W)</b>	<b>S26361-F3287-E226</b>
<b>Xeon E5603 4C/1.60GHz/4M/4,80GT/s (80W)</b>	<b>S26361-F4483-E160</b>
<b>Xeon E5606 4C/2.13GHz/8M/4,80GT/s (80W)</b>	<b>S26361-F4484-E213</b>
<b>Xeon E5607 4C/2.26GHz/8M/4,80GT/s (80W)</b>	<b>S26361-F4491-E226</b>
<b>Turbo Quad-Core CPU's</b>	
- 1x 64-bit Intel Xeon (12MB shared TLC = Third Level Cache); Hyper-Threading (HT); 1066 MHz DDR3 Bus, 5,86 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
<b>Xeon E5620 4C/2.40GHz/12M/5,86GT/s (80W)</b>	<b>S26361-F4419-E240</b>
<b>Xeon E5630 4C/2.53GHz/12M/5,86GT/s (80W)</b>	<b>S26361-F4419-E253</b>
<b>Xeon E5640 4C/2.66GHz/12M/5,86GT/s (80W)</b>	<b>S26361-F4419-E266</b>
<b>Turbo Six-Core CPU's</b>	
- 1x 64-bit Intel Xeon (12MB shared TLC = Third Level Cache ); Hyper-Threading (HT); 1333 MHz DDR3 Bus, 5,86 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
<b>Xeon E5645 6C/2.40GHz/12M/5,86GT/s (80W)</b>	<b>S26361-F4485-E240</b>
<b>Xeon E5649 6C/2.53GHz/12M/5,86GT/s (80W)</b>	<b>S26361-F4486-E253</b>
<b>Turbo Six-Core CPU's</b>	
- 1x 64-bit Intel Xeon (12MB shared TLC = Third Level Cache); Hyper-Threading (HT); 1333 MHz DDR3 Bus, 6,40 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
<b>Xeon X5650 6C/2.66GHz/12M/6,40GT/s (95W)</b>	<b>S26361-F4417-E266</b>
<b>Xeon X5660 6C/2.80GHz/12M/6,40GT/s (95W)</b>	<b>S26361-F4417-E280</b>
<b>Xeon X5670 6C/2.93GHz/12M/6,40GT/s (95W)</b>	<b>S26361-F4417-E293</b>
<b>Xeon X5675 6C/3.06GHz/12M/6,40GT/s (95W)</b>	<b>S26361-F4487-E306</b>
<b>Xeon X5680 6C/3.33GHz/12M/6,40GT/s (130W)</b>	<b>S26361-F4417-E333</b>
<b>Xeon X5690 6C/3.46GHz/12M/6,40GT/s (130W)</b>	<b>S26361-F4488-E346</b>
<b>Frequency Optimized Turbo Quad-Core CPU's</b>	
- 1x 64-bit Intel Xeon (12MB shared TLC = Third Level Cache); Hyper-Threading (HT); 1333 MHz DDR3 Bus, 6,40 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
<b>Xeon X5647 4C/2.93GHz/12M/5,86GT/s (130W)</b>	<b>S26361-F4489-E293</b>
<b>Xeon X5667 4C/3.06GHz/12M/6,40GT/s (95W)</b>	<b>S26361-F4418-E306</b>
<b>Xeon X5677 4C/3.46GHz/12M/6,40GT/s (130W)</b>	<b>S26361-F4418-E346</b>
<b>Xeon X5687 4C/3.60GHz/12M/6,40GT/s (130W)</b>	<b>S26361-F4490-E360</b>
<b>Low Voltage Quad-Core CPU with max. 800MHz DDR3 speed</b>	
- 1x 64-bit Intel Xeon (4MB shared TLC = Third Level Cache) 800 MHz DDR3 Bus, 4,80 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
<b>Xeon L5609 4C/1.86GHz/12M/4,80GT/s (40W)</b>	<b>S26361-F4420-E186</b>
<b>Low Voltage Turbo Quad/Six-Core CPU's with max. DDR3 Bus Speed 1066MHz</b>	
- 1x 64-bit Intel Xeon (12MB shared TLC = Third Level Cache); Hyper-Threading (HT); 1066 MHz DDR3 Bus, 5,86 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
<b>Xeon L5630 4C/2.13GHz/12M/5,86GT/s (40W)</b>	<b>S26361-F4421-E213</b>
<b>Xeon L5640 6C/2.26GHz/12M/5,86GT/s (60W)</b>	<b>S26361-F4421-E240</b>

**Note: Max. DDR3 Bus Speed depends on:**  
- max. DDR3 Bus Speed from the CPU and  
- max. DDR3 Memory Speed and  
- max. memory modules on one memory channel

on special release

on special release

on special release

E

E

Section III Memory



- There are 6 memory slots for max. 96GB registered (reg) DDR3 RAM per CPU available with 16GB RDIMMs or max. 12GB unbuffered (ub) DDR3 RAM per CPU available with 2GB UDIMMs  
 => max. 192GB registered or 24GB unbuffered RAM for two CPU's possible  
 (For explanation of following terms refer to section "Memory Configurations")  
 - The memory area is divided into 3 channels per CPU with 2 slots per channel  
 - Slot 1 of each channel belongs to memory bank 1, the slot 2 belongs to memory bank 2

**Registered and unbuffered memory modules can be selected**  
**No mix of registered and unbuffered modules allowed.**  
**DDR3 1066 and 1333MHz modules can be mixed, but run always with the slower speed.**  
**With two DIMMs per channel, 1.5V DIMMs operate with 1333Mhz, 1.35V with 1066MHz as max., dep. on CPU**  
**If 1.5V DIMMs and 1.35V (Low Voltage) DIMMs are mixed, DIMMs will run at 1.5V**  
**SDDC (Chipkill) is supported only for registered memory modules.**

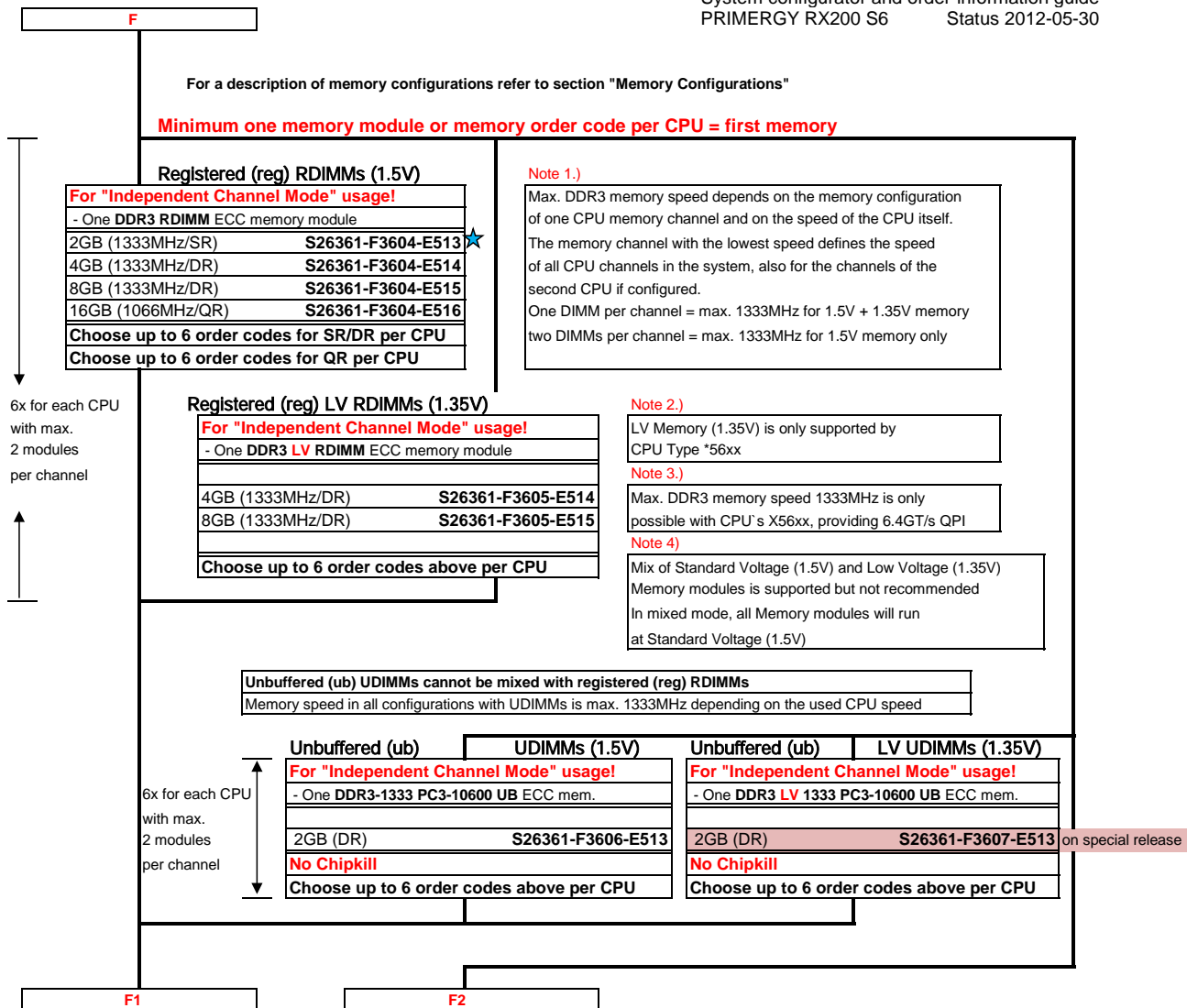
**1.) In the "Independent Channel Mode" is following configuration possible**  
 - Each slot can optionally be equipped either with registered x4 organized DDR3 modules:  
 2GB Single Rank (SR), 4GB and 8GB Dual Rank (DR), 16GB Quad Rank (QR)  
 or with unbuffered x8 organized DDR3 modules: 1GB Single Rank (SR) and 2GB Dual Rank (DR)

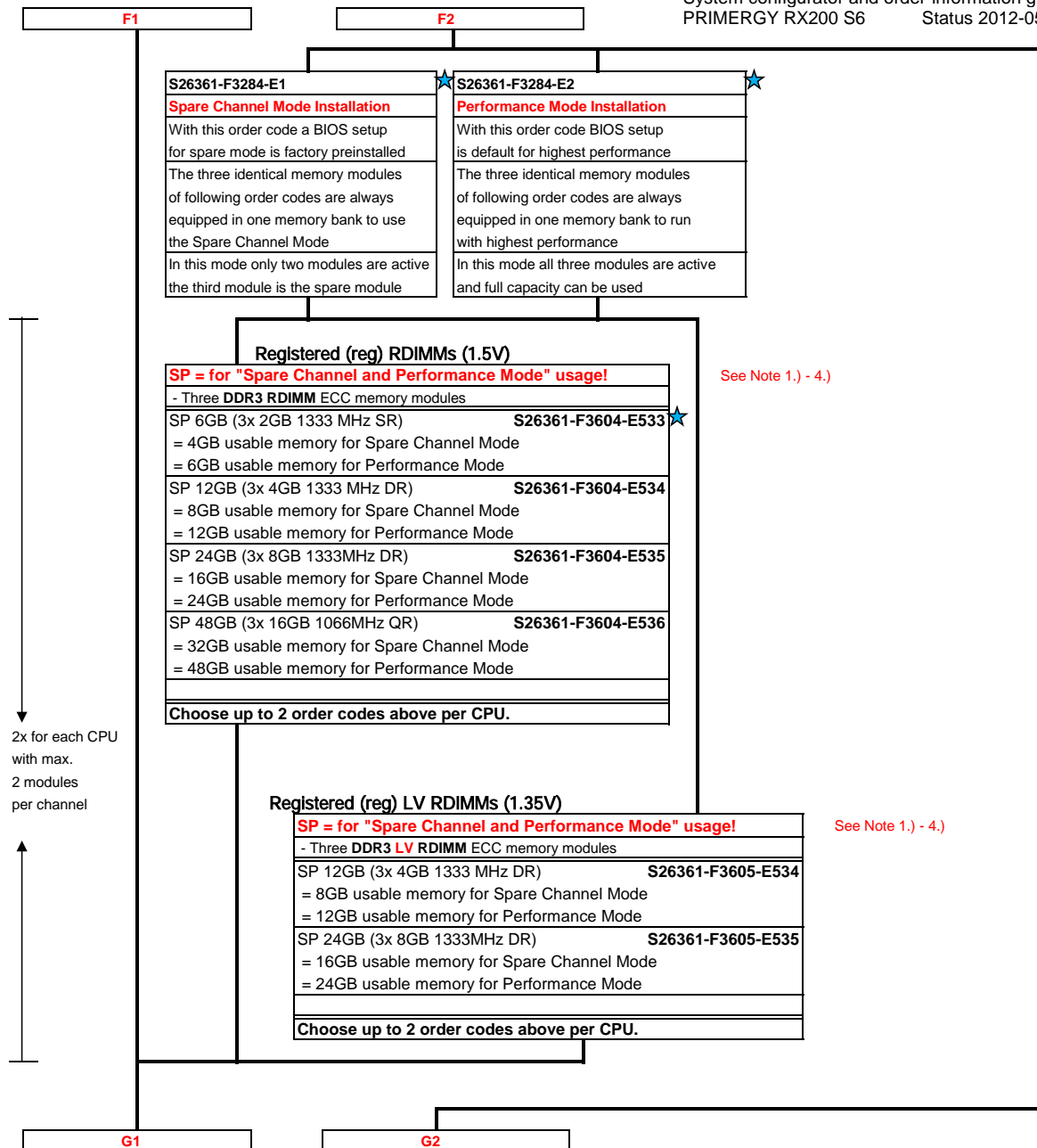
**2.) In the "Spare Channel Mode" is following configuration possible**  
 - Each memory bank can optionally be equipped with 3x2GB single rank,  
 3x4GB and 3x8GB DR or 3x 16GB QR DDR3 modules.  
**Each slot of one bank has to be equipped with identical modules for spare channel mode**  
 In channel A and B of CPU 1 or channel D and E of CPU 2 are always the active memory modules,  
 in channel C of CPU 1 and channel F of CPU 2 is always the spare module  
  
 No special order codes with UDIMMs are offered for this mode

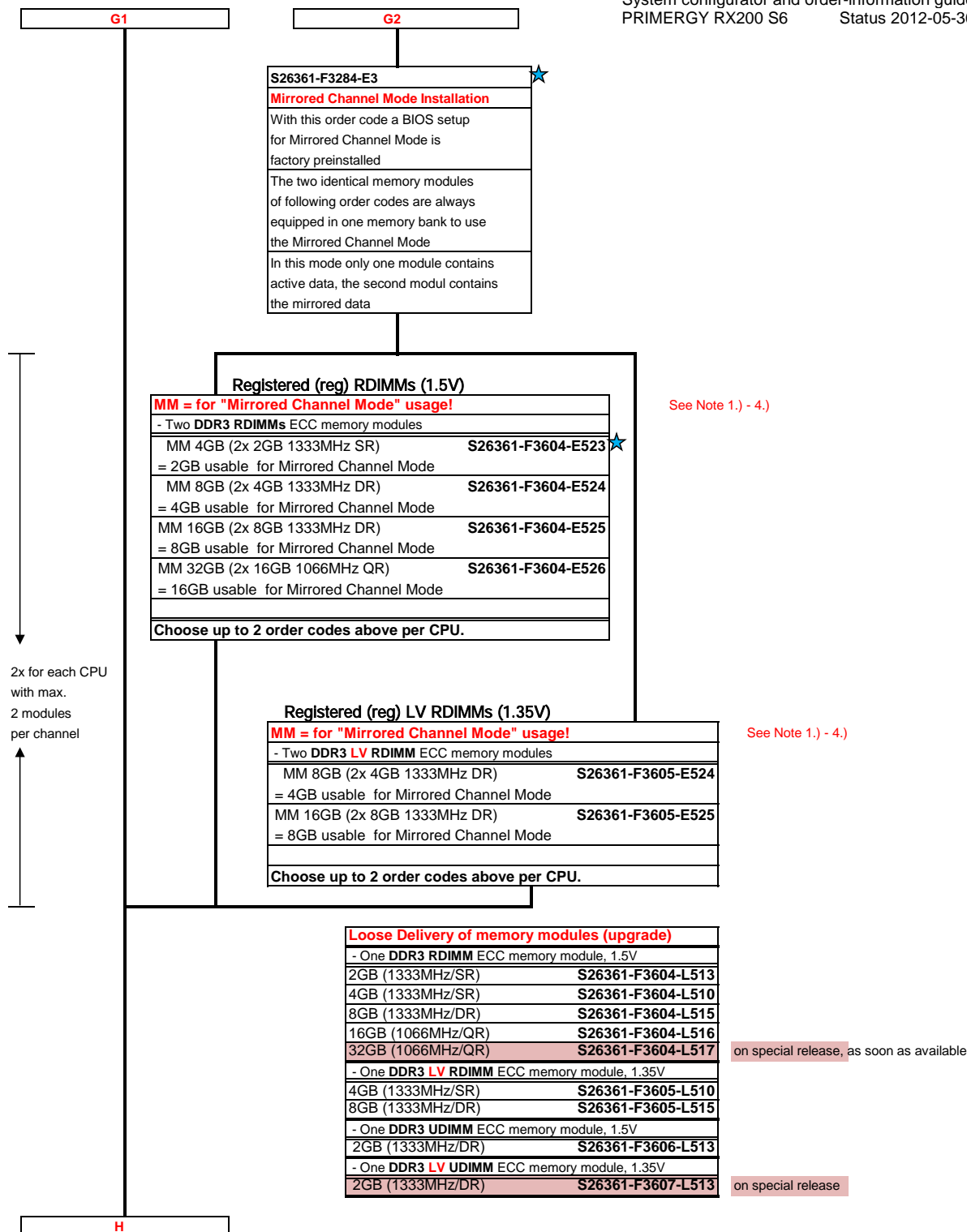
**3.) In the "Mirrored Channel Mode" is following configuration possible**  
 - Each memory bank can optionally be equipped with 2x2GB single rank,  
 2x4GB and 2x8GB DR or 2x16GB QR DDR3 modules.  
**In each memory bank channel A and B of CPU 1 or channel D and E of CPU 2 have to be equipped with identical modules for mirrored channel mode. Channel C of CPU 1 and channel F of CPU 2 is not equipped**  
 In channel B is always the mirrored memory of channel A of CPU 1  
 In channel E is always the mirrored memory of channel D of CPU 2  
  
 No special order codes with UDIMMs are offered for this mode

- **For each CPU minimum 1 memory module has to be configured in Independent Channel Mode**  
 (=> Additional memory extensions can still be configured up to five times per CPU) or  
**one bank has to be equipped with two modules (channel A+B for CPU 1 or D+E for CPU 2) in Mirrored Channel Mode**  
 (=> Additional memory extensions can still be configured up to one time per CPU) or  
**one bank has to be equipped with three modules (channel A+B+C for CPU 1 or D+E+F for CPU 2) in Spare Channel Mode or Performance Mode**  
 (=> Additional memory extensions can still be configured up to one time per CPU)

F







**Section IV Graphics**

Graphics Controller integrated in iRMC S2 (integrated Remote Management Controller):  
 1600x1200x16bpp 60Hz, 1280x1024x16bpp 60Hz, 1024x768x32bpp 75Hz, 800x600x32bpp 85Hz, 640x480x32bpp 85Hz  
 (1280x1024x24bpp 60Hz only possible if local monitor or remote video redirection is off)

<b>S26361-F2748-E537</b>
PY VGA LP card 512MB PCI-e x1
NVIDIA NVS300
512 MB PCI-e-x1
2x DVI or 2x VGA or 1x DVI plus 1x VGA cables adapters included
Dual head + fully 3-D supported for Windows OS only native driver support for Linux OS full high bracket
max. 1x per system



The high end optional NVIDIA NVS300 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 delivery.

**Remote Video direction via iRMC must be disabled.**

This PCI-e-x1 card can also be installed in any PCI-e-x4, x8 or x16 slot.

Only one card per server is allowed.

*PY VGA card must be installed in slot 1*



<b>S26361-F2748-L537</b>
PY VGA LP card 512MB PCI-e x1 for loose delivery



## Memory Configuration PRIMERGY RX200 S6

Each CPU offers 6 Slots for DDR3 Memory Modules organised in **2 Banks and 3 Channels**.

If you need more than 6 Slots you have to configure the 2nd CPU.

Depending on the amount of memory configured you can decide between 4 basic modes of operation (see explanation below).

There are 4 different kinds of DDR3 Memory Modules available: UDIMM / UDIMM LV and RDIMM / RDIMM LV

UDIMM and RDIMM offer different functionality. Mix of UDIMM + RDIMM is not allowed.

Mixing of Standard + Low Voltage DIMM's of the same type is allowed, but not recommendet (therefore not configurable ex works)

If 1.5V and 1.35V DIMMs are mixed, the DIMMs will run at 1.5V

Mode	Configuration	UDIMM	RDIMM	Application
chip kill support	any	n.a.	yes	detect multi-bit errors
Independant Channel Mode	1, 2 or 3 Modules per Bank	x	x	offers max. flexibility, upgradeability, capacity use UDIMM modules for lowest cost
Mirrored Channel Mode	2 identical Modules / Bank	**)	x	offers maximum security
Performance Mode *)	3 identical Modules / Bank	**)	x	offers maximum performance and capacity
Spare Channel Mode *)	3 identical Modules / Bank	**)	x	balances security and capacity

\*) = Performance Mode and Spare Channel Mode use different BIOS settings.

\*\*\*) = technically possible but no Order Numbers available, use at your own risk

Capacity	Configuration	UDIMM	RDIMM	RDIMM LV	Notes
Min. Memory per CPU	1 Module / CPU	1x2GB	1x2GB	1x 2GB	with one CPU
Max. Memory per CPU	6 Modules / CPU	6x2GB	6x16GB	6x 8GB	with one CPU
Max. Memory per System	12 Modules / System	24GB	192GB	96GB	if second CPU is configured

### Memory-Speed:

#### Max. DDR3 memory speed depends on the memory configuration on one memory channel and the speed of the CPU

One DIMM per channel = max. 1333MHz, two DIMMs per channel = max. 1333MHz for 1.5V / max. 1066 for 1.35V memory, three DIMMs per channel = max. 800MHz. The memory channel with the lowest speed defines the speed of all CPU channels in the system.

DIMM Type	DIMM Slots per Channel	DIMMs populated per Channel	Memory Speed max (CPU dependent)	Ranks per DIMM
RDIMM 1.5V 1333Mhz	2 / 3	1	800, 1066, 1333	SR / DR
	2 / 3	1	800, 1066	QR
	2 / 3	2	800, 1066, 1333	Mix of SR + DR
	2 / 3	2	800	Mix of QR + SR / DR
	3	3	800	Mix of SR + DR
RDIMM LV / 1.35V 1333Mhz	2 / 3	1	800, 1066, 1333	SR / DR
	2 / 3	1	800, 1066	QR
	2 / 3	2	800, 1066	Mix of SR + DR
	2 / 3	2	800	Mix of QR + SR / DR
UDIMM 1.5V 1333Mhz	2 / 3	1	800, 1066, 1333	SR / DR
	2 / 3	2	800, 1066, 1333	Mix of SR + DR
UDIMM LV / 1.35V 1333Mhz	2 / 3	1	800, 1066, 1333	SR / DR
	2 / 3	2	800, 1066	Mix of SR + DR



Used CPU	Max. Memory-Bus speed depending on DIMMs / channel if following memory speed is used for specific CPU's														
	UDIMM 1333 MHz 1.5V			UDIMM 1333 MHz LV / 1.35V			RDIMM 1333 MHz 1.5V			RDIMM 1333 MHz LV / 1.35V			RDIMM 1066 MHz (QR) 1.5V		
Populated Dimms / Channel	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
<b>Dual-Core CPU</b> with max. 800MHz DDR3 speed (4.8GT/s)															
Xeon E5503 2C/2.00GHz/2M/4,80GT/s (80W)	800	800	n.a.	800	800	n.a.	800	800	n.a.	800	800	n.a.	800	800	n.a.
<b>Quad-Core CPU's</b> with max. 800MHz DDR3 speed (4.8GT/s)															
Xeon E5506 4C/2.13GHz/4M/4,8GT/s (80W)	800	800	n.a.	800	800	n.a.	800	800	n.a.	800	800	n.a.	800	800	n.a.
Xeon E5507 4C/2.26GHz/4M/4,8GT/s (80W)	800	800	n.a.	800	800	n.a.	800	800	n.a.	800	800	n.a.	800	800	n.a.
<b>Turbo Quad-Core CPU's</b> with max. 1333MHz DDR3 speed (5.86GT/s)															
Xeon E5620 4C/2.40GHz/12M/5,86GT/s (80W)	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	800	n.a.
Xeon E5630 4C/2.53GHz/12M/5,86GT/s (80W)	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	800	n.a.
Xeon E5640 4C/2.66GHz/12M/5,86GT/s (80W)	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	800	n.a.
<b>Turbo Six-Core CPU's</b> with max. 1333MHz DDR3 speed (6.4GT/s)															
Xeon X5650 6C/2.66GHz/12M/6,40GT/s (95W)	1333	1333	n.a.	1333	1066	n.a.	1333	1333	n.a.	1333	1066	n.a.	1066	800	n.a.
Xeon X5660 6C/2.80GHz/12M/6,40GT/s (95W)	1333	1333	n.a.	1333	1066	n.a.	1333	1333	n.a.	1333	1066	n.a.	1066	800	n.a.
Xeon X5670 6C/2.93GHz/12M/6,40GT/s (95W)	1333	1333	n.a.	1333	1066	n.a.	1333	1333	n.a.	1333	1066	n.a.	1066	800	n.a.
Xeon X5680 6C/3.33GHz/12M/6,40GT/s (130W)	1333	1333	n.a.	1333	1066	n.a.	1333	1333	n.a.	1333	1066	n.a.	1066	800	n.a.
<b>Frequency Optimized Turbo Quad-Core CPU's</b> with max. 1333MHz DDR3 speed (6.4GT/s)															
Xeon X5667 4C/3.06GHz/12M/6,40GT/s (95W)	1333	1333	n.a.	1333	1066	n.a.	1333	1333	n.a.	1333	1066	n.a.	1066	800	n.a.
Xeon X5677 4C/3.46GHz/12M/6,40GT/s (130W)	1333	1333	n.a.	1333	1066	n.a.	1333	1333	n.a.	1333	1066	n.a.	1066	800	n.a.
<b>Low Voltage Quad-Core CPU</b> with max. 1066MHz DDR3 speed (4.8GT/s)															
Xeon L5609 4C/1.86GHz/12M/4.80GT/s (40W)	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	800	n.a.
<b>Low Voltage Turbo Quad-Core CPU</b> with max. 1333MHz DDR3 speed (5.86GT/s)															
Xeon L5630 4C/2.13GHz/12M/5,86GT/s (40W)	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	1066	n.a.	1066	800	n.a.
Xeon L5640 6C/2.40GHz/12M/5.86GT/s (60W)	1333	1333	n.a.	1333	1066	n.a.	1333	1333	n.a.	1333	1066	n.a.	1066	800	n.a.

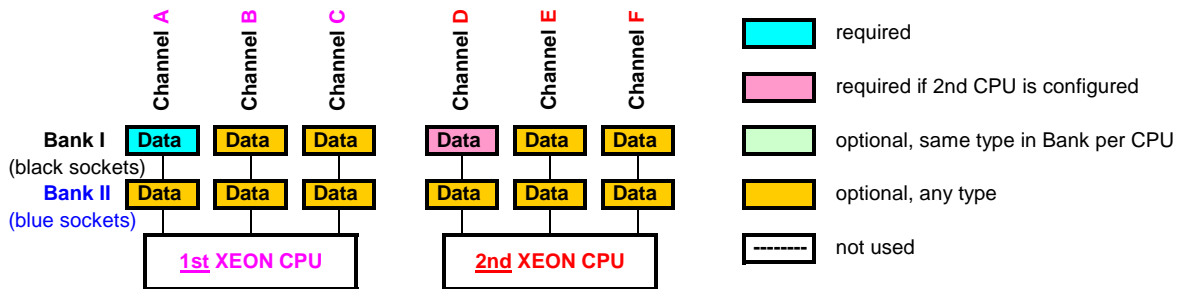
- SR - Single Rank - 1Rx4 1333
- DR - Dual Rank - 2Rx4 1066
- QR - Quad Rank - 4Rx4 800
- not supported
- special release

1DPC = 1 DIMM per Channel  
 2DPC = 2 DIMM per Channel  
 3DPC = 3 DIMM per Channel

**Configuration hints:**

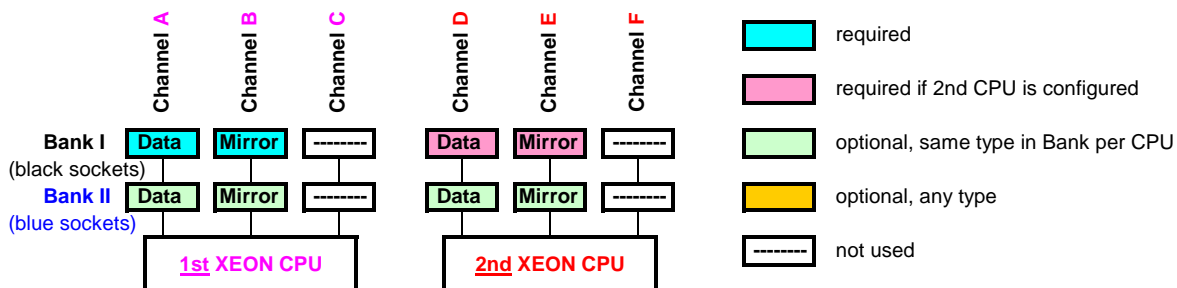
- The memory sockets on the systemboard offer a color coding:  
**Bank I** black sockets  
**Bank II** blue sockets (or white latch)
- A so called Bank consists of 1 memory module on every Channel available on one CPU (examples see below)  
**Bank I on CPU 1** up to 3 memory modules connected to Channel A, B and C on the first CPU  
**Bank II on CPU 1** up to 3 memory modules connected to Channel A, B and C on the first CPU  
**Bank I on CPU 2** up to 3 memory modules connected to Channel D, E and F on the second CPU  
**Bank II on CPU 2** up to 3 memory modules connected to Channel D, E and F on the second CPU
- See below (next page) for a detailed descriptions of the memory configuration supported.

### 1. Independent Channel Mode



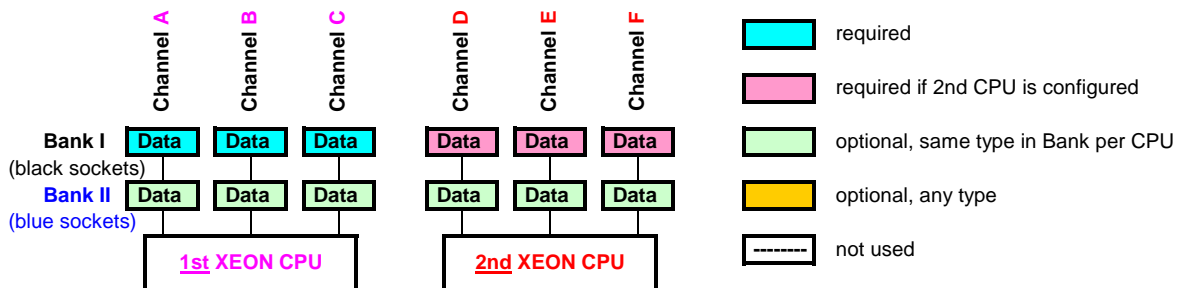
Independent Channel Mode allows all channels to be populated in any order  
 Can run with differently rated DIMMs and use the settings of the slowest DIMM installed in the system  
 Independent Channel Mode is supported using UDIMM or RDIMM memory modules

### 2. Mirrored Channel Mode



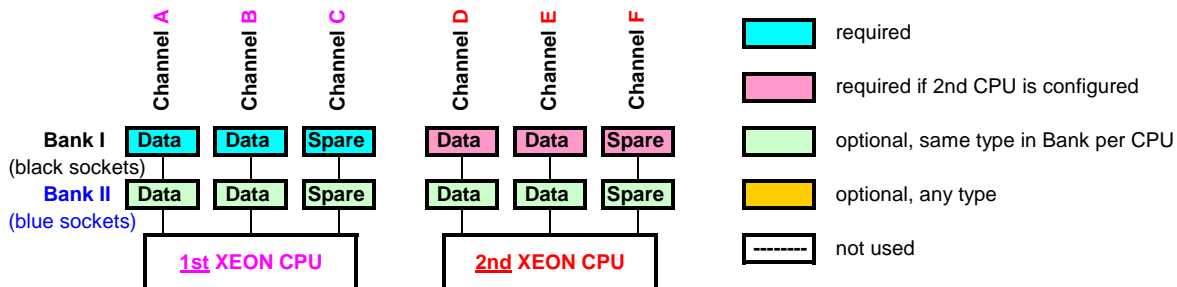
Mirrored Channel Mode requires identical modules on channel A and B (1st CPU) or channel D and E (2nd CPU)  
 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory  
 channel C (1st CPU) or channel F (2nd CPU) are not usable in Mirrored Channel Mode  
 Mirrored Channel Mode is supported using RDIMM memory modules

### 3. Performance Channel Mode




Performance Channel Mode requires identical modules on all channels of each Bank per CPU  
 Performance Channel Mode is supported using RDIMM memory modules


### 4. Spare Channel Mode (As soon as released)




Spare Channel Mode requires identical modules on all channels of each Bank per CPU  
 one third of the capacity is used for the spare => the available memory for applications is two thirds of the installed memory  
 Spare Channel Mode is supported using RDIMM memory modules



**Section V Accessible drives**

	Setup RX200 S6 by <b>ServerStart</b> is supported with following configurations:
	<b>no Floppy, no DVD, no CD:</b> remote installation only (PXE service & DHCP server required)
	<b>built in CD/DVD or USB CD/DVD, no Floppy disk drive:</b> UNC Network share reachable or USB Floppy connected
	<b>USB Floppy, no CD/DVD:</b> USB CD/DVD connected

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


	Following USB Components are available
1) USB DVD SM / Blu-Ray	
External SuperMulti Drive (as soon as released)	?
External Blu-Ray Drive (as soon as released)	?
2) USB Keyboard:	S26381-K340-V120
KBPC PX D, professional keyboard	
3) USB Mouse:	S26381-K415-L100
Optical Wheel Mouse Tilt USB/PS2	
4) USB Memorybird:	
MyUSBS A910 8GB	S26391-F6048-L208
MyUSBS A910 16GB	S26391-F6048-L216


1x

<b>S26361-F3531-E2</b> Blu-ray Combo slim SATA 6x BD-ROM, 16x DVD, 40x CD BD DL and all CD/DVD formats 0.5 x 5.25", black bezel max. 1x per system	 <b>S26361-F3269-E2</b> DVD-RW supermulti slim SATA all formats, DUAL/DL, DVD-RAM only W2K, W3K and Linux 0.5 x 5.25", black bezel max. 1x per system	 <b>S26361-F3641-E2</b> Blu-ray Triple Writer slim SATA 6x BD-RW, 8x DVD, 24x CD BD DL and all CD/DVD formats 0.5 x 5.25" max. 1x per system
-------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**USB 3.0 adapter**

<b>S26361-F3749-E201</b> USB3.0 PCIe x1 adapter card Ip Sunrich U-720 PCIe x1 1 port intern, 1 port extern USB 3.0 A jacks max. 1x per system
-----------------------------------------------------------------------------------------------------------------------------------------------------------------

 The adapter is also available as optional (loose) delivery with FH and LP bracket included  
S26361-F3749-L501

 **Configurations of DVD Drive are only possible for the Base Unit S26361-K1342-V101 (6x 2.5" HDD + DVD Option)**  
With onboard SATA controller, max. 4x SATA HD's and one DVD are configurable.

J

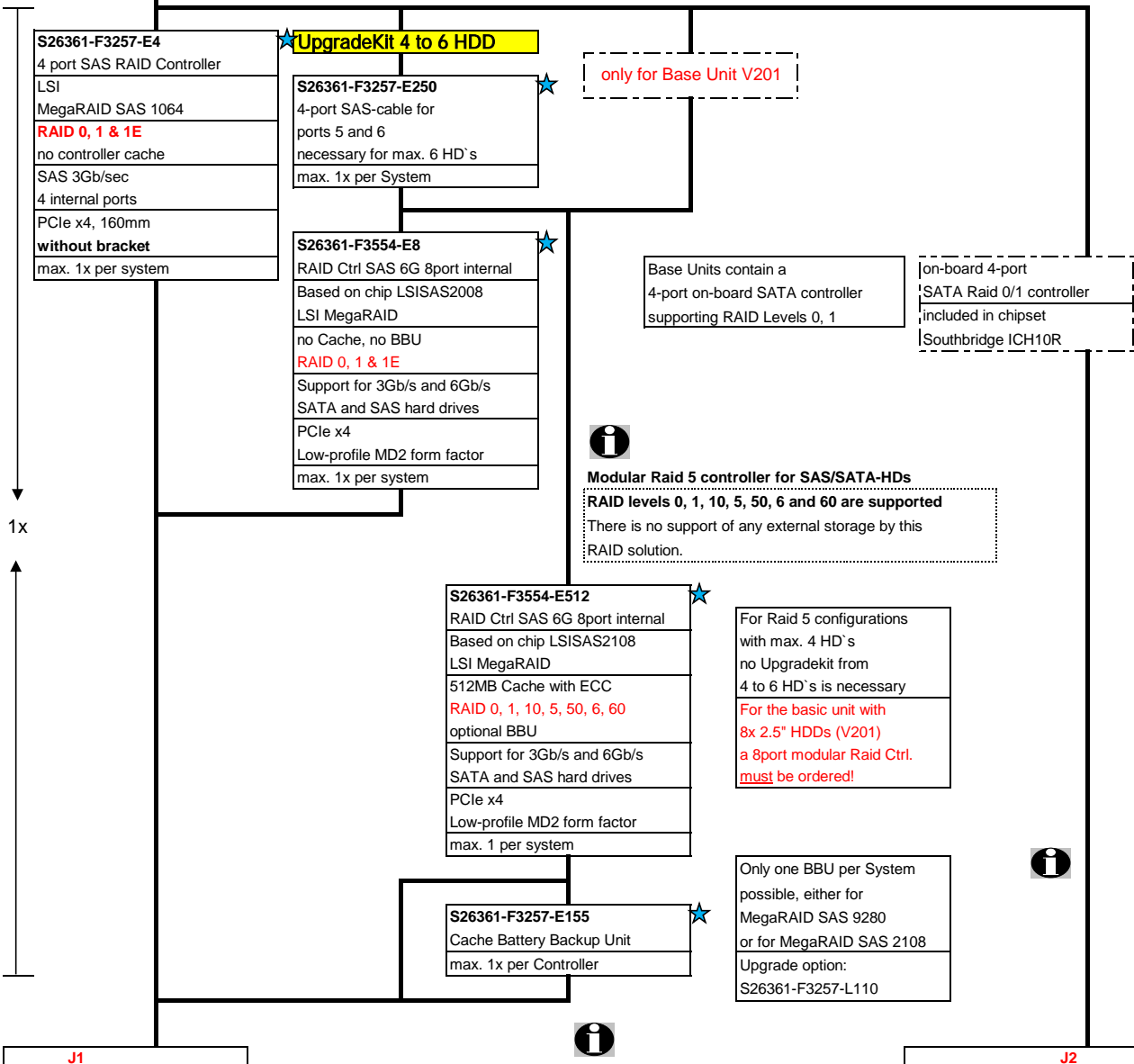
**Section G-VI Drive Bay for 6x / 8x 2.5" HD Basic Unit**

**Base Unit S26361-K1342-V101**  
 Drive Bay with up to 6x 2.5" HDDs plus one bay for DVD  
 Only 4 HDD Ports are connected to a RAID Controller.  
 In order to connect HD5 and HD6, the "UpgradeKit 4 to 6 HDD" and a 8-port SAS controller is necessary

**Base Unit S26361-K1342-V201**  
 Drive Bay with up to 8x 2.5" HDDs  
 8 HDD Ports are connected to a RAID Ctrl.

**Section G-VII Modular Raid 0/1, Raid5 for 4x / 6x / 8x 2.5" SAS or SATA HD's. On-board Controller for 4x 2.5" SATA HD's**

**Modular Raid 0/1 controller with IME support for SAS/SATA-HDs**  
 IME (Integrated Mirroring Enhanced) offers the RAID levels 0, 1, 1E  
 IME is a RAID 0, 1 implementation, whereby RAID 1 can operate an odd number of hard disks. Up to 8 hard disks including one hot spare HD are possible (limited by HDD slots in system).  
 Administration of IME is possible with the LSI Global Array Manager (GAM).  
 Windows2003/2008 as well as SUSE and RedHat Linux are supported (Restrictions refer to Software Configurator)  
 The SAS IME solution supports 2 independent RAID volumes.



J1

J2

**Section G-VIII 4x / 6x / 8x 2.5" SAS / SATA Hard disk drives**

**Section G-IX 4x 2.5" SATA Hard disk drives**



For basic units V1xx up to 6x SATA / SAS 2.5" hard disks plus ODD can be configured.  
 For basic units V2xx up to 8 SATA / SAS 2.5" hard disks can be configured.



With onboard SATA controller up to 4x SATA HD's or up to 4x SSD HD's are possible  
**Native SATA only supported by basic unit V101**

<b>S26361-F3601-E250</b> HD 250GB 7.2krpm 2.5" 7200rpm,<9,5ms, 32MB Cache <b>BC SATA</b> hot plug/hot replace tray max. 4x per system
------------------------------------------------------------------------------------------------------------------------------------------------------

<b>S26361-F3601-E500</b> HD 500GB 7.2krpm 2.5" 7200rpm,<9,5ms, 32MB Cache <b>BC SATA</b> hot plug/hot replace tray max. 4x per system
------------------------------------------------------------------------------------------------------------------------------------------------------

while stocks last

<b>S26361-F3298-E64</b> SSD 64GB <b>SATA 3Gb/s</b> hot plug/hot replace tray max. 4x per system
-------------------------------------------------------------------------------------------------------------

<b>S26361-F3298-E32</b> SSD 32GB <b>SATA 3Gb/s</b> hot plug/hot replace tray max. 4x per system
-------------------------------------------------------------------------------------------------------------

Following HDDs configurable with modular RAID controller  
 - 4 port 4x 2.5" SAS or SATA hard disks can be configured.  
 - 8 port 6x / 8x 2.5" SAS or SATA hard disks can be configured.

**All combinations of SSD, BC SATA and SAS are possible - but not in same logical drive (RAID array)**

4x / 6x  
8x

<b>S26361-F3601-E250</b> HD 250GB 7.2krpm 2.5" 7200rpm,<9,5ms, 32MB Cache <b>BC SATA</b> hot plug/hot replace tray max. 4x / 6x / 8x per system
----------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>S26361-F3601-E500</b> HD 500GB 7.2krpm 2.5" 7200rpm,<9,5ms, 32MB Cache <b>BC SATA</b> hot plug/hot replace tray max. 4x / 6x / 8x per system
----------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>S26361-F3298-E32</b> SSD 32GB <b>SATA 3Gb/s</b> hot plug/hot replace tray max. 4x / 6x / 8x per system
-----------------------------------------------------------------------------------------------------------------------

<b>S26361-F3298-E64</b> SSD 64GB <b>SATA 3Gb/s</b> hot plug/hot replace tray max. 8x per system
-------------------------------------------------------------------------------------------------------------

**SSD SAS 2.5"** as soon as available

<b>S26361-F4541-E100</b> SSD SAS 100GB, SLC Solid State Disk <b>SAS 6Gb/s</b> Enterprise Performance hot plug/hot replace tray max. 4x / 6x / 8x per system
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>S26361-F4541-E200</b> SSD SAS 200GB, SLC Solid State Disk <b>SAS 6Gb/s</b> Enterprise Performance hot plug/hot replace tray max. 4x / 6x / 8x per system
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>S26361-F4541-E400</b> SSD SAS 400GB, SLC Solid State Disk <b>SAS 6Gb/s</b> Enterprise Performance hot plug/hot replace tray max. 4x / 6x / 8x per system
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>SAS 6Gb/s 2.5" with hot plug/hot replace tray</b>	
300GB 10000rpm,<4,5ms, 8MB Cache	<b>S26361-F4482-E130</b> ★
450GB 10000rpm,<4,5ms, 8MB Cache	<b>S26361-F4482-E145</b>
600GB 10000rpm,<4,5ms, 8MB Cache	<b>S26361-F4482-E160</b>
900GB 10000rpm,<4,5ms, 8MB Cache	<b>S26361-F4482-E190</b>
73GB 15krpm,<4,5ms, 8MB Cache	<b>S26361-F4482-E573</b> ★
146GB 15krpm,<4,5ms, 8MB Cache	<b>S26361-F4482-E514</b> ★
max. 8x per system	

**i** configuration of SAS-HDDs requires SAS RAID controller

L

L

**Section X External SAS Disk Array, SAS backup drives or SCSI peripheral devices**

External 8-port SAS-controller for external SAS Disk Array

**S26361-F3593-E201**  
 RAID Ctrl SAS 6G 8port external  
 LSI MegaRAID SAS9280-8e  
 512MB Cache with ECC  
 RAID 0, 1, 10, 5, 50, 6 & 60  
**without iBBU**  
 SAS 6Gb/sec  
 8 port external  
 PCIe x4, MD2 form factor  
 low profile bracket  
 max. 1x per system

**S26361-F3257-E155**  
 Cache Battery Backup Unit  
 with 55cm cable set  
 max. 1x per Controller



Only one BBU per System possible, either for MegaRAID SAS 9280 or for MegaRAID SAS 2108 for loose delivery please order  
**S26361-F3593-L501** Contr. w/o BBU  
**S26361-F3257-L110** optional BBU

SAS-controller for external backup drives

**S26361-F3271-E201**  
 SAS Controller 3Gb/s 8 port LP  
 LSI SAS3442E-R Low Profile  
 PCIe x8,  
 int: 4 port  
 ext: 4 port  
 max. 2x per system

**S26361-F3628-E201**  
 SAS Controller 6Gb/s 8 port LP  
 LSI SAS9200-8e LP  
 PCIe 2.0 x4,  
 ext: 8 port  
 max. 2x per system

2x

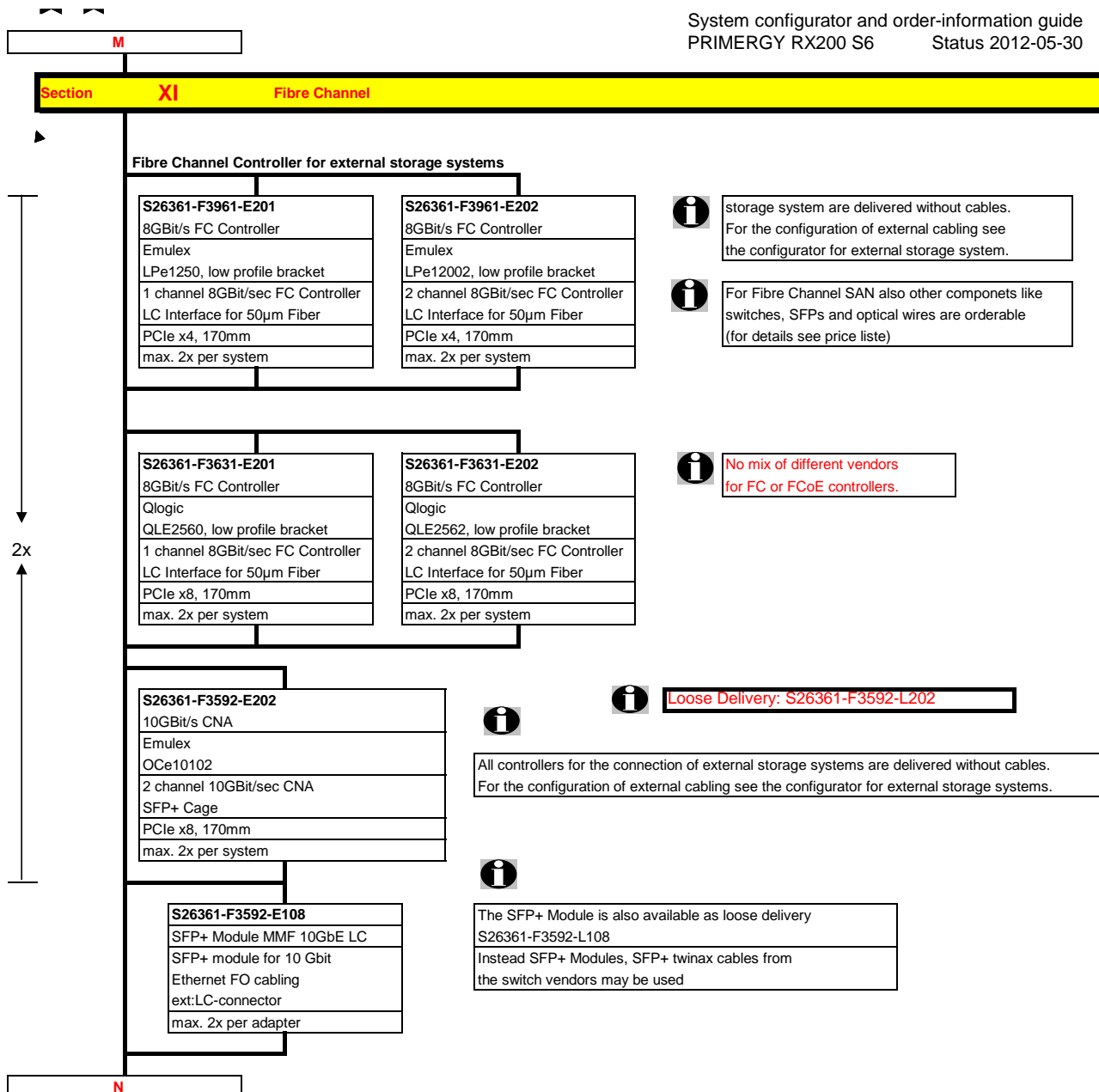
SCSI-controller for external drives and peripheral devices

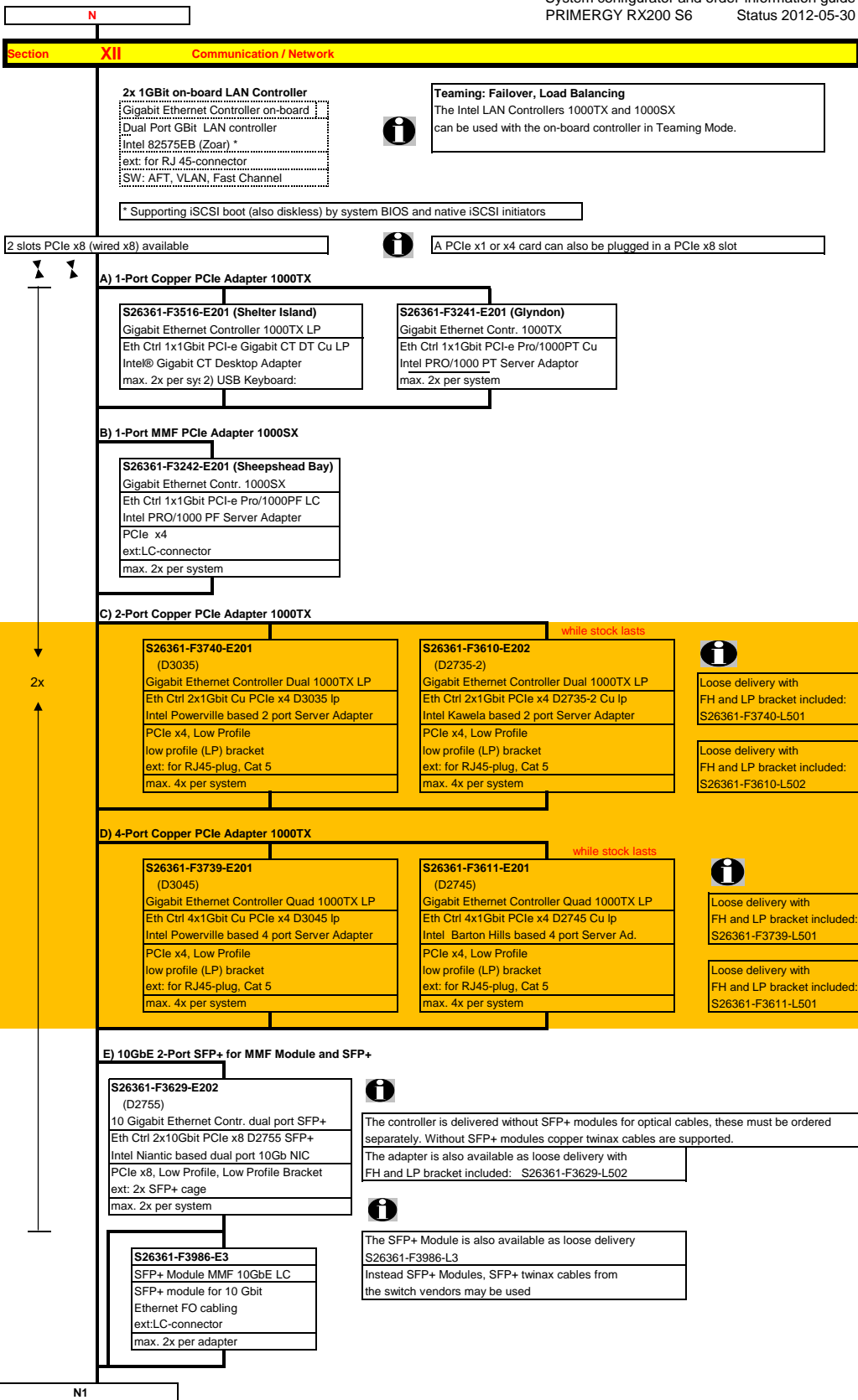
**S26361-F3270-E201**  
 SCSI U320 Controller  
 Adaptec SCSI Card 29320LPE  
 PCIe x1,  
 int: LVD HD68  
 ext: VHDCI 68pin  
 max. 2x per system



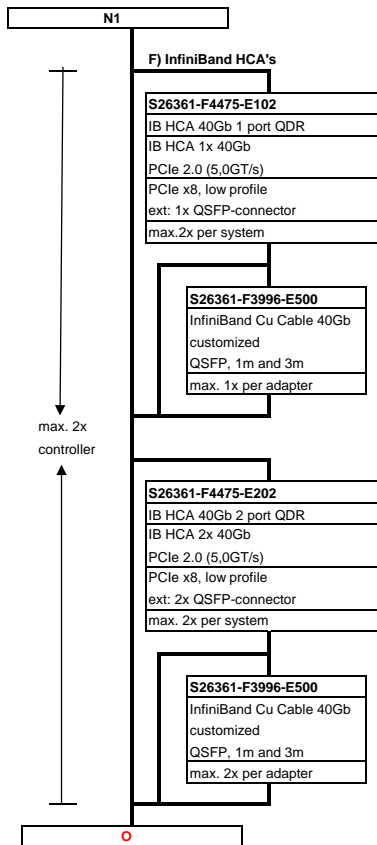
Only released for SX10. All contr. for the connection of external storage systems are delivered without cables. For the configuration of external cabling see configurator

M









**S26361-F4475-L102**  
 for loose delivery

**i** Low Profile PCIe form factor with exchangeable Full Height (FH) or Low Profile (LP) bracket

**i** If additional length of copper cable or optical cable are needed, then they must be ordered from the cable vendor directly  
 Copper cable are also available for loose delivery as  
 S26361-F3996-L101, QSFP, 40Gb, 1m  
 S26361-F3996-L103, QSFP, 40Gb, 3m

**S26361-F4475-L202**  
 for loose delivery

**i** Low Profile PCIe form factor with exchangeable Full Height (FH) or Low Profile (LP) bracket

**i** If additional length of copper cable or optical cable are needed, then they must be ordered from the cable vendor directly  
 Copper cable are also available for loose delivery as  
 S26361-F3996-L101, QSFP, 40Gb, 1m  
 S26361-F3996-L103, QSFP, 40Gb, 3m

O

**Section XIII System Management Products (RemoteView)**

**S26361-F1790-E241**  
**iRMC S2 advanced pack**  
integrated remote management controller  
activation key for  
graphical console redirection  
and remote media redirection  
max. 1x per system



iRMC S2 (integrated Remote Management Controller) onboard server management controller with dedicated 10/100 Service LAN-port and integrated graphics controller. The Service LAN-port can be switched alternatively on standard Gbit LAN port

**Section XIV Miscellaneous**



**Options and other peripherals**  
For other options, refer to SystemArchitect and Pricelist.

**Section XV 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. Description in english. Both included in basic unit. (1x with Standard PSU, 2x with hot plug upgrade)



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



P

P

**Section XVI Energy Star**

**S26361-F3301-E401** ★  
 RX200 S6 E-Star Fam1  
 Limits configuration in accordance  
 with Energy Star requirements  
 max. 1x per system

**The following order components out of the specific sections are allowed together with RX200 S6 E-Star Fam1:**

<b>Basic unit with</b>	
6x 2,5" HDD + ODD Bay, no PSU	S26361-K1342-V101
8x 2,5" HDD bays, no ODD bay, no PSU	S26361-K1342-V201

<b>Turbo Quad-Core CPU's</b>	
- 1x 64-bit Intel Xeon (12MB shared TLC = Third Level Cache ); Hyper-Threading (HT); 1066 MHz DDR3 Bus, 5,86 GT/s QPI Bus and passive heat sink occupies socket for one CPU	
Xeon E5620 4C/2.40GHz/12M/5,86GT/s (80W)	S26361-F3618-E240
Xeon E5630 4C/2.53GHz/12M/5,86GT/s (80W)	S26361-F3618-E253
Xeon E5640 4C/2.66GHz/12M/5,86GT/s (80W)	S26361-F3618-E266
<b>Always 2x per system</b> (only one CPU is out of Energy Star specification)	

<b>Registered (reg) RDIMMs (1.5V)</b>	
2GB (1333MHz/SR)	S26361-F3604-E513
min. 2 / max. 12x per system	
SP 6GB (3x 2GB 1333 MHz SR)	S26361-F3604-E533
MM 4GB (2x 2GB 1333MHz SR)	S26361-F3604-E523
min. 2 / max. 4x per system	

<b>4GBit/s Fibre Channel Controller</b>	
Emulex LPe11002	S26361-F3306-E202
min. 0 / max. 1x per system	

<b>Gigabit Ethernet Controller</b>	
Gigabit Ethernet Controller Quad 1000TX	S26361-F3462-E1
min. 0 / max. 2x per system	

<b>Raid Controller</b>	
4 port SAS RAID Controller (only V101)	S26361-F3257-E4
4-port SAS-cable for port 5 and 6	S26361-F3257-E250
RAID Ctrl SAS 6G 8port internal (RAID 0, 1 & 1E)	S26361-F3554-E8
RAID Ctrl SAS 6G 8port internal (RAID 0, 1, 10, 5, 50, 6, 60)	S26361-F3554-E512
min. 0 / max. 1x per system	

<b>ODD (only V101)</b>	
DVD-RW supermulti slim SATA	S26361-F3269-E2
Blu-ray Combo slim SATA	S26361-F3531-E2
min. 0 / max. 1x per system	

<b>Hard Disk Drives 2.5" SAS</b>	
HD 300GB 10krpm 2.5"	S26361-F4482-E130
HD 73GB 15krpm 2.5"	S26361-F4482-E573
HD 146GB 15krpm 2.5"	S26361-F4482-E514
min. 0 / max. 6x / 8x per system	

<b>PSU</b>	
450W PSU module / 92% eff	S26113-F570-E1
min. 1 / max. 2x per system	

<b>others</b>	
e.g. BBU, RMK, iRMC, ...	

End PRIMERGY RX200 S6

