

PRIMERGY RX200 S7

System configurator and order-information guide

October 2013

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4x 2.5" Hot-plug HDD or SSD



8x 2.5" Hot-plug HDD or SSD



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PRIMERGY Server

Instructions

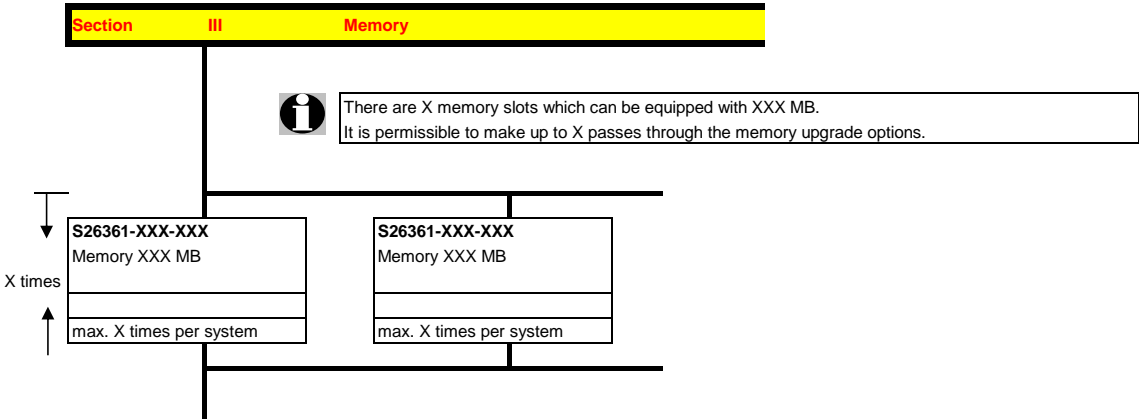
This document contains basic product and configuration information that will enable you to configure your system via PC-/SystemArchitect.

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

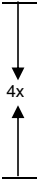
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

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.



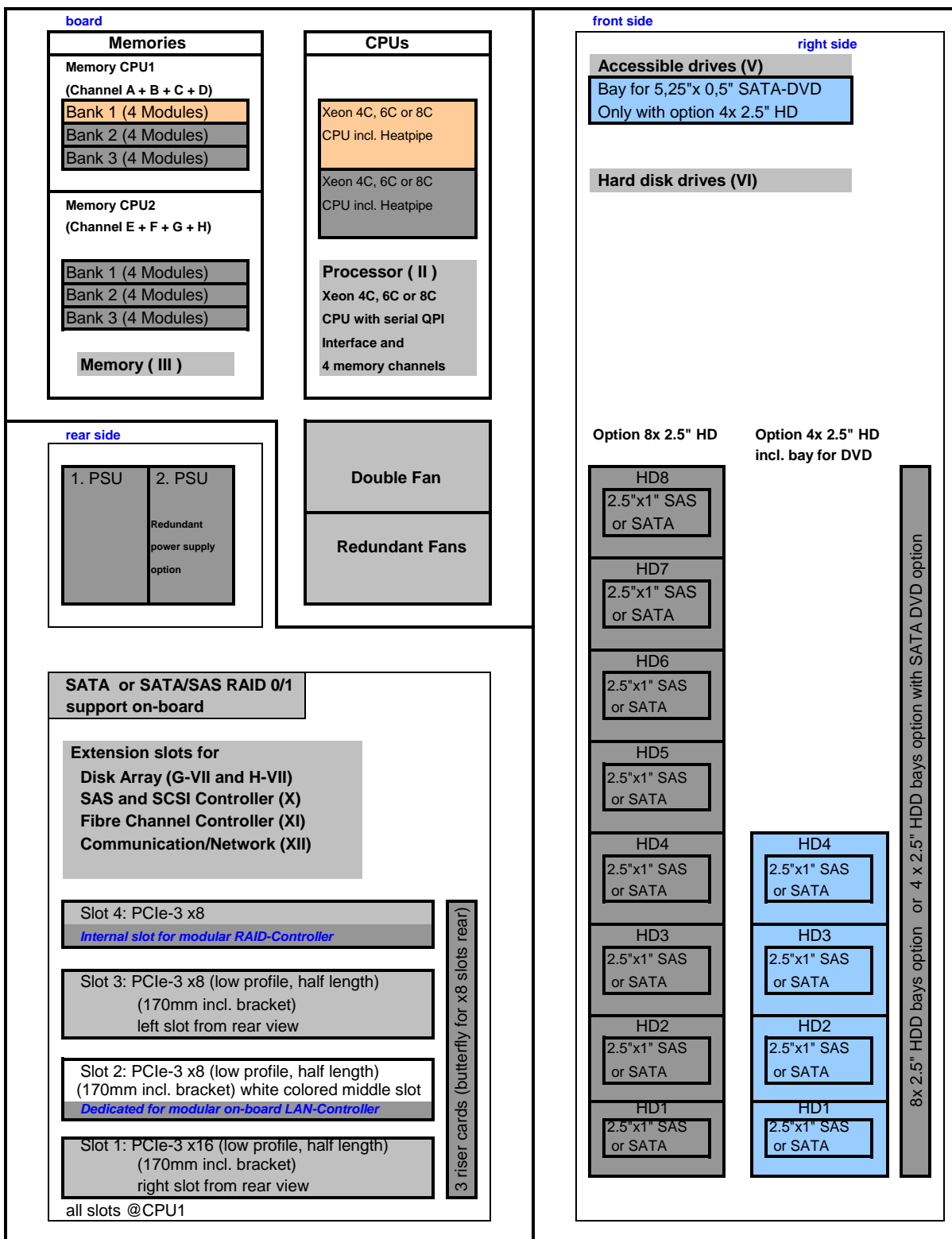
For further information see:

- http://ts.fujitsu.com/products/standard_servers/index.html (internet)
- 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 S7

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 S7

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 - Downgrade Media Only

- Windows Server 2008 Enterprise
- Windows Server 2008 Standard

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
- Altiris Server Deployment



*) 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/primergy/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/primergy/Pages/default.aspx>


Continue with PRIMERGY HW configurator

Start PRIMERGY RX200 S7

SW Configurator 64 bit (EM64T / IA64)

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.
 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 for SME
 - Microsoft System Center Virtual Machine Manager Workgroup Edition for any server released for Windows Server 2008 R2
 - Microsoft System Center Essentials 2010 for any server released for Windows Server 2008 R2
 - Microsoft Hyper-V Server 2008 R2 - Free Microsoft Web Download (not necessary for Windows Server 2008 R2 customers)

Microsoft - Windows Server 2008 R2 Server Licenses
 - Windows HPC Server 2008 R2 Suite
 - Windows Server 2008 R2 Datacenter
 - Windows Server 2008 R2 Enterprise
 - Windows Server 2008 R2 Standard
 - Windows Web Server 2008 R2

Microsoft - Windows Small Business Server 2011
 - Windows Small Business Server Standard 2011
 - Windows Small Business Server 2011 Premium Add-on

Microsoft - Downgrade Media Only
 - Windows Server 2008 Enterprise
 - Windows Server 2008 Standard

Microsoft Windows Small Business Server 2011 Client Access
 - Windows Small Business Server 2011 Standard I Premium Device CAL
 - Windows Small Business Server 2011 Standard I Premium User CAL
 - Windows Server 2008 Remote Desktop Services Device CAL
 - Windows Server 2008 Remote Desktop Services User CAL


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

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

PRIMECLUSTER *)
 - Clustering
 - Load Balancing

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


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

 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

 *) 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/primerq/Pages/default.aspx>

 ***) 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:

Continue with PRIMERGY HW configurator

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

Start PRIMERGY RX200 S7

Section | Basic unit



System unit consisting of:

- * 1U Housing without power supply modules
(PSU has to be configured min 1x)
- * Fans
 - Redundant and hot plug system double-fans 4x for 1 CPU / 6x for 2 CPU configuration (n+1 redundancy)
- * SAS Backplanes for 4x or 8x 2.5" HDD
with cable connection to on-board or modular RAID Controller
- * Drives / Bays
 - 4x 2.5" SAS / SATA HDD or 8x 2.5" SAS / SATA HDD option
 - 1 bay SATA DVD-ROM 0,5" height (option if 4x 2.5" HDD only)
- * Integrated ServerView Diagnostics Technology (Diagnosis LED's) for indication of internal failed components


Systemboard D3032 with:

- * Up to two Xeon 4C, 6C & 8C CPU's (Socket-R)
with 2 serial QPI links (Quick Path Interconnect) and four memory channels per CPU
First CPU has to be selected for an orderable basic unit,
- * Chipset Intel® C600 Series (codenamed Patsburg)
- * 4 PCIe slots
 - 2x PCIe-3 x8 (Low Profile cards)
 - 1x PCIe-3 x16 (Low Profile cards)
 - 1x PCIe-3 x8 internal for modular RAID controller only
- * 24 memory slots for max. 768GB RAM DDR3 available
 - Memory is divided into 12 DIMMs per CPU (4 channels with 3 slots per channel)
 - Possible max. configurations are:
 - 24x 32GB LRDIMM (quad rank modules) = 768GB
 - 16x 16GB RDIMM quad rank modules) = 384GB
 - 16x 4GB UDIMM (dual rank modules) = 64GB
 - First Memory (one module) has to be selected for an orderable basic unit per CPU
 - Memory upgrade is possible module wise
 - Memory mirroring is supported with 2 identical modules in channel A+B CPU 1 or D+E CPU 2
 - Hot Spare Memory is supported with 3 identical modules in channel A+B+C CPU 1 or D+E+F CPU 2
 - SDDC (Chipkill) is supported for memory modules,
- * Dual Port 10/100/1000 x4 PCI Express* Gigabit Ethernet Intel LAN controller Powerville on-board
- * iRMC S3 (integrated Remote Management Controller) on-board server management controller with dedicated 10/100/1000 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 S3 (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

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<p>Interfaces at the rear: * 1x VGA (15 pins) * 3x USB 2.0 (UHCI) with 480MBit/s, no USB wakeup * 2x LAN RJ45, 1x Service-LAN RJ45</p>
<p>Interfaces on the front: * 2x USB 2.0 (UHCI) with 480MBit/s, no USB wakeup * 1x VGA (15 pins) as an option * 1x Service-LAN RJ45 as an option</p>
<p>Interfaces internal: * 1x USB 2.0 (UHCI) with 480MBit/s for dongle functionality (uSSD memory), no USB wakeup * 1x SATA interface for DVD (only usable with 4x 2.5" HDD + DVD Option) * 4x SATA/SAS interface for 4 SATA/SAS HD's (only usable for 4x 2.5" HDD baseunit) * 2x USB 2.0 ports for internal USB redirection connected to BMC</p>
<p>Software: - ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates - Documentation engl. (multilingual on CD)</p>

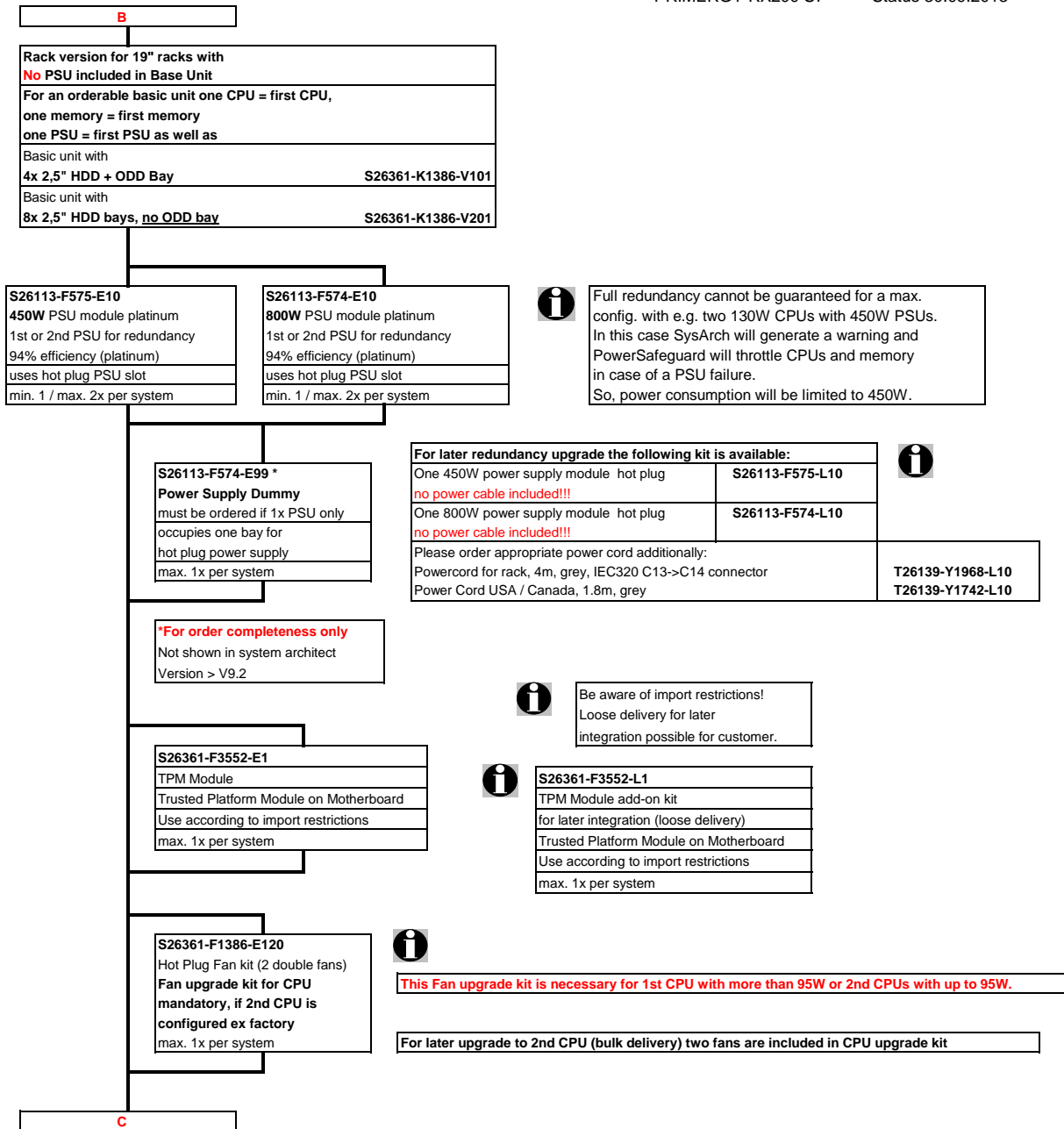
 **Note: Rack Mounting kit and Power Cord for RX200S7 is not included in the basic unit and has to be configured separately**

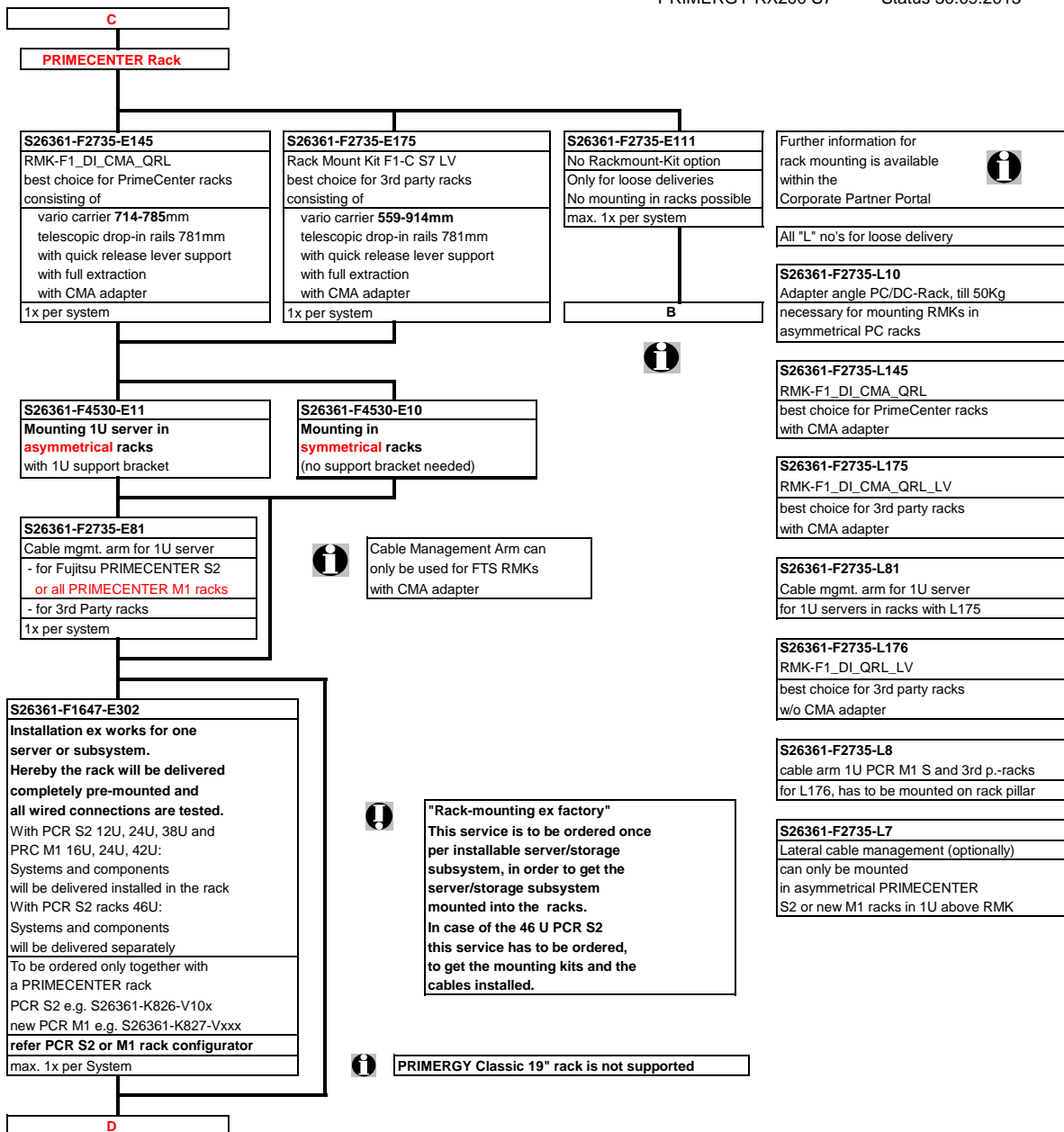
 **Cables included in basic unit**

Connections	Cable	PRIMERGY RX200 S7	Key:
1. SATA DVD		 (optional)	 SAS  SATA
2. 4-port SAS cable HDDs		 (optional)	
3. 4-port SAS cable HDDs		 (optional)	

Conditions for SATA cable and one ore two 4-port SAS cables see description "Cables" above

B





D

Section 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**
 For the configuration of the 2nd CPU ex factory, a hot-plug fan kit is necessary.
Two processors with different clock frequencies are not possible
 A multi-processor operating system is required for a dual-processor system.

Max. two CPU's can be selected per basic unit		
One of following CPU's has to be selected as first CPU for an orderable basic unit		
Optional second CPU has to be the same type like the first CPU		
Basic 4C CPU's		
- 1x 64-bit Intel Xeon (10MB Smart Cache) 1066 MHz DDR3 Bus; 6,40 GT/s QPI Bus and passive heat sink occupies socket for one CPU		
Xeon E5-2603 4C/4T 1.80GHz 10MB 6.40GT/s 1066MHz 80W		S26361-F3689-E180
Xeon E5-2609 4C/4T 2.40GHz 10MB 6.40GT/s 1066MHz 80W		S26361-F3689-E240
Standard Turbo 6C CPU's		
- 1x 64-bit Intel Xeon (15MB Smart Cache); Hyper-Threading (HT); 1333 MHz DDR3 Bus; 7,20 GT/s QPI Bus and passive heat sink occupies socket for one CPU		
Xeon E5-2620 6C/12T 2.00GHz 15MB 7.20GT/s 1333MHz 95W		S26361-F3690-E200
Xeon E5-2630 6C/12T 2.30GHz 15MB 7.20GT/s 1333MHz 95W		S26361-F3690-E230
Xeon E5-2640 6C/12T 2.50GHz 15MB 7.20GT/s 1333MHz 95W		S26361-F3690-E250
Advanced Turbo+ 8C CPU's		
- 1x 64-bit Intel Xeon (20MB Smart Cache); Hyper-Threading (HT); 1600 MHz DDR3 Bus; 8,00 GT/s QPI Bus and passive heat sink occupies socket for one CPU		
Xeon E5-2650 8C/16T 2.00GHz 20MB 8.00GT/s 1600MHz 95W		S26361-F3691-E200
Xeon E5-2660 8C/16T 2.20GHz 20MB 8.00GT/s 1600MHz 95W		S26361-F3691-E220
Xeon E5-2665 8C/16T 2.40GHz 20MB 8.00GT/s 1600MHz 115W		S26361-F3691-E240
Xeon E5-2670 8C/16T 2.60GHz 20MB 8.00GT/s 1600MHz 115W		S26361-F3691-E260
Xeon E5-2680 8C/16T 2.70GHz 20MB 8.00GT/s 1600MHz 130W		S26361-F3691-E270
Xeon E5-2690 8C/16T 2.90GHz 20MB 8.00GT/s 1600MHz 135W		S26361-F3691-E290
Frequency Optimized Turbo 2C, 4C & 6C CPU's		
- 1x 64-bit Intel Xeon (5/10/15MB Smart Cache); Hyper-Threading (HT); 1600 MHz DDR3 Bus; 6,40/7,20 GT/s QPI Bus and passive heat sink occupies socket for one CPU		
Xeon E5-2637 2C/4T 3.00GHz 5MB 6.40GT/s 1600MHz 80W		S26361-F3692-E300
Xeon E5-2643 4C/8T 3.3GHz 10MB 6.40GT/s 1600MHz 130W		S26361-F3692-E330
Xeon E5-2667 6C/12T 2.90GHz 15MB 7.20GT/s 1600MHz 130W		S26361-F3692-E290
Low Power 4C/6C/8C CPU's		
- 1x 64-bit Intel Xeon (15/20MB Smart Cache); Hyper-Threading (HT); 1333/1600 MHz DDR3 Bus; 7,20/8,00 GT/s QPI Bus and passive heat sink occupies socket for one CPU		
Xeon E5-2630L 6C/12T 2.00GHz 15MB 7.20GT/s 1333MHz 60W		S26361-F3693-E200
Xeon E5-2650L 8C/16T 1.80GHz 20MB 8.00GT/s 1600MHz 70W		S26361-F3693-E180

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 only

A CPU with 135W excludes SATA HDDs and 10k SAS HDDs

E

E

Section III Memory



- There are 12 memory slots per CPU for max.
 384GB LRDIMM (12x 32GB 4R)
 192GB RDIMM (12x 16GB 2R)
 32GB UDIMM (8x 4GB)
=> max. 768GB for two CPU's (384GB per CPU), using LRDIMM

- The memory area is divided into 4 channels per CPU with 3 slots per channel
 - Slot 1 of each channel belongs to memory bank 1, the slot 2 belongs to memory bank 2, slot 3 belongs to memory bank 3

Registered, LR DIMMs and unbuffered memory modules can be selected
No mix of registered, load reduced and unbuffered modules allowed.
 Memory can be operated at 1.5V or 1.35V, even if the modules are of low voltage type.
 Memory operating voltage can be set within BIOS (**1.5V is default** setting for max. speed).
 In a 2 DIMMs per channel configuration, following frequencies are supported:
 - 1.5V - 1600MHz max (depending on CPU, special memory modules)
 - 1.35V - 1333MHz max (depending on CPU)
 In a 3 DIMMs per channel configuration, memory will operate at 1.5V only.
SDDC (Chipkill) is supported for registered / load reduced x4 organized memory modules only

1.) In the "Independent Channel Mode" is following configuration possible
 Channels can be populated in any order in Independent Channel Mode. All four channels may be populated in any order and have no matching requirements. All channels must run at the same interface frequency but individual channels may run at different DIMM timings (RAS latency, CAS latency, and so forth)
No mix of registered, load reduced and unbuffered modules allowed.

2.) "Rank Sparing Mode" configuration
 - Within a memory channel, one rank is a spare of the other ranks.
 The Spare Rank is held in reserve and is not available as system memory
 For the effective memory capacity, please refer to the spreadsheet below.
 The BIOS is set to the rank sparing setting.
Minimum configuration is: 2x 1R, 2x 2R or 1x4R DDR3 module per channel
This mode is not supported by unbuffered memory modules

3.) "Performance Mode" configuration
 - In this configuration, the memory module population ex factory is spread across all channels.
 The BIOS is set to the max. performance for memory.
Minimum configuration is: 4x identical modules

4.) In the "Mirrored Channel Mode" is following configuration possible
 - Each memory bank can optionally be equipped with 4x registered or load reduced or unbuffered DDR3 modules
In each memory bank channel A and B / C and D of CPU 1 or channel E and F / G and H of CPU 2 have to be equipped with identical modules for mirrored channel mode.
 In channel B / D is always the mirrored memory of channel A / B of CPU 1
 In channel F / H is always the mirrored memory of channel E / G of CPU 2
Minimum configuration is: 4x identical modules
This mode is not supported by unbuffered memory modules

1x per CPU

<p>S26361-F3694-E10 Independent Mode Independent Channel Mode allows all channels to be populated in any order. No specific Memory RAS features are defined Requires min 1 memory Module per CPU</p>
<p>S26361-F3694-E1 Rank Sparing Mode Installation BIOS Setup factory preinstalled to this mode. One Rank is spare of other ranks on the same channel. Spare Rank is not shown in System Memory. For effective capacity within a channel, please have a look below. Supported for RDIMM / LRDIMM only. Requires min 2x 1R/2R or 1x 4R modules per CPU</p>
<p>S26361-F3694-E2 Performance Mode Installation BIOS Setup factory preinstalled for max. Performance, LV memory might be set to 1.5V operation. Four identical memory modules will be equipped in one memory bank to achieve highest memory performance. All four modules are active and full capacity can be used. Multiple of 4 identical modules to be configured per CPU</p>
<p>S26361-F3694-E3 Mirrored Channel Mode Installation BIOS Setup factory preinstalled to this mode. Four identical memory modules are always equipped in one memory bank to use the Mirrored channel Mode. Only two modules contain active data, the remain two modules contain mirrored data Supported for RDIMM / LRDIMM only. Multiple of 4 identical modules to be configured per CPU</p>

F

F



Effective Memory capacity / Rank Sparing Mode, 1 Channel populated

	UDIMM		RDIMM			LRDIMM	
	2 1R	2 2R	4 1R	8 2R	16 2R	16 4R	32 4R
1	na	na	na	na	na	12	24
2	na	na	4	12	24	28	56
3	na	na	8	20	40	40	80



Minimum one memory module or order code per CPU = first memory

Note 1.)

Max. DDR3 memory speed depends on the memory configuration (No of mem modules per channel) as well as on the CPU type. The memory channel with the lowest speed defines the speed of all CPU channels in the system, also for the channels of the second CPU if configured.

For real memory speed (depending on memory type / population), please check the spreadsheet "Memory speed" below

8/12x per CPU, max. 2/3 modules per channel

<p>Unbuffered Memory (UDIMM) no SDDC (chipkill) support - one DDR3 unbuffered ECC mem. Module, 1.35V Choose up to 8 order codes per CPU 2GB (1x2GB) 1Rx8 L DDR3-1600 U ECC S26361-F3694-E513 4GB (1x4GB) 2Rx8 L DDR3-1600 U ECC S26361-F3694-E514</p>
<p>Registered Memory (RDIMM) no SDDC (chipkill) support - one DDR3 registered ECC mem. Module, 1.35V No mix with any other types of memory modules possible Choose up to 12x for 1R/2R or 8x for 4R per CPU For performance reasons, we do not recommend to configure more than 8 DIMMs per CPU 4GB (1x4GB) 2Rx8 L DDR3-1600 R ECC S26361-F3695-E514</p>
<p>Registered Memory (RDIMM) with SDDC (chipkill) support - one DDR3 registered ECC mem. Module, 1.35V 1333MHz supported with up to 2DPC (8 modules/CPU) Choose up to 12 order codes per CPU 4GB (1x4GB) 1Rx4 L DDR3-1333 R ECC S26361-F3696-E514 8GB (1x8GB) 2Rx4 L DDR3-1333 R ECC S26361-F3696-E515</p>
<p>Registered Memory (RDIMM) with SDDC (chipkill) support - one DDR3 registered ECC mem. Module, 1.35V 1600MHz supported with up to 2DPC (8 modules/CPU) at 1.5V Choose up to 12 order codes per CPU 4GB (1x4GB) 1Rx4 L DDR3-1600 R ECC S26361-F3697-E514 8GB (1x8GB) 2Rx4 L DDR3-1600 R ECC S26361-F3697-E515 16GB (1x16GB) 2Rx4 L DDR3-1600 R ECC S26361-F3697-E516</p>
<p>Load Reduced Memory (LRDIMM) with SDDC (chipkill) support - one DDR3 load reduced ECC mem. Module, 1.35V Choose up to 12 order codes per CPU 16GB (1x16GB) 4Rx4 L DDR3-1333 LR ECC S26361-F3698-E516 32GB (1x32GB) 4Rx4 L DDR3-1333 LR ECC S26361-F3698-E517</p>



Mix of memory modules is only possible within the same group

new due to supply
 new due to supply

extended delivery time
 extended delivery time

G

Memory Configuration PRIMERGY RX200 S7

Each CPU offers 12 Slots for DDR3 Memory Modules organised in **3 Banks and 4 Channels**.

If you need more than 12 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 3 different kinds of DDR3 Memory Modules available: UDIMM / RDIMM and LRDIMM

UDIMM / RDIMM / LRDIMM offer different functionality. Mix of UDIMM / RDIMM / LRDIMM is not allowed.

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

Mode	Configuration	RDIMM			Application
		UDIMM	RDIMM	LRDIMM	
		x8	x8	x4	
SDDC (chipkill) support	any	no	no	yes	detect multi-bit errors
Independant Channel Mode	1, 2 or 3 Modules per Bank	yes	yes	yes	offers max. flexibility, upgradeability, capacity use UDIMM modules for lowest cost
Mirrored Channel Mode *)	4 identical Modules / Bank	no	no	yes	offers maximum security
Performance Mode	4 identical Modules / Bank	yes	yes	yes	offers maximum performance and capacity
Rank Sparing Mode *)	min. 2 Ranks / Channel	no	no	yes	balances security and capacity

*) For the delivery ex works the system will be prepared with dedicated BIOS setting.

Capacity	Configuration	UDIMM	RDIMM	LRDIMM	Notes
Min. Memory per CPU	1 Module / CPU	1x2GB	1x4GB	1x 16GB	with one CPU
Max. Memory per CPU	8/12 Modules / CPU	8x4GB	12x16GB	12x 32GB	with one CPU
Max. Memory per System	16/24 Modules / System	64GB	384GB	768GB	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

The memory channel with the lowest speed defines the speed of all CPU channels in the system

Mem. Speed provided by CPU

Real maximum memory-bus speed depending on CPU type, memory configuration (DPC) and voltage setting (BIOS)

Voltage setting (BIOS)	UDIMM 1600MHz						RDIMM 1600MHz						LRDIMM 1333MHz					
	1.5V [default]			1.35V			1.5V [default]			1.35V			1.5V [default]			1.35V		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC	DPC
CPU with 1600MHz DDR3 Bus	1333	-	-	1066	-	-	1600	1600	1066	1333	1333	-	-	-	-	1066	1066	1066
CPU with 1333MHz DDR3 Bus	1333	1333	-	1066	1066	-	1333	1333	1066	1333	1333	-	-	-	-	1066	1066	1066
CPU with 1066MHz DDR3 Bus	1066	1066	-	1066	1066	-	1066	1066	1066	1066	1066	-	not supported	not supported	not supported	1066	1066	1066

- 1R - Single Rank
- 2R - Dual Rank
- 4R - Quad Rank

on special release as soon as available

- 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:

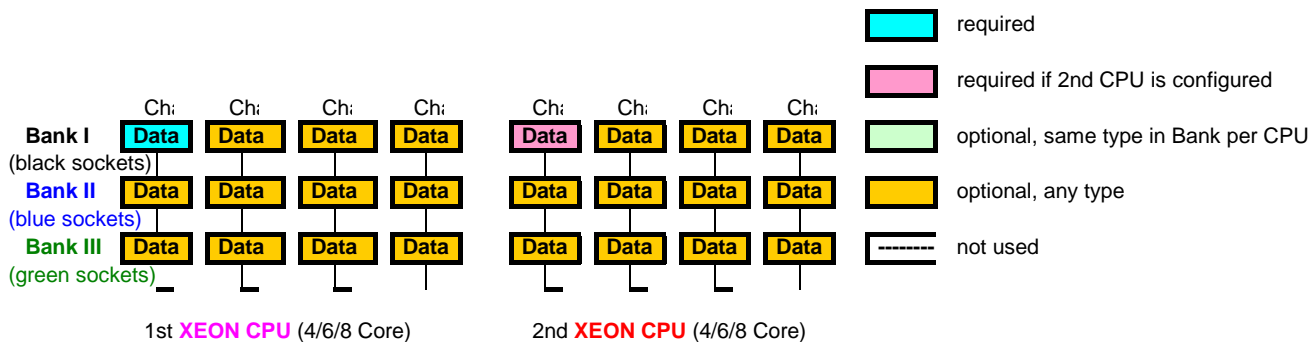
- Bank I** black sockets
- Bank II** blue sockets
- Bank III** green sockets

- A so called Bank consists of 1 memory module on every Channel available on one CPU (examples see below)

- Bank I on CPU 1/2** up to 4 memory modules connected to Channel A - H on the 1st/2nd CPU
- Bank II on CPU 1/2** up to 4 memory modules connected to Channel A - E on the 1st/2nd CPU
- Bank III on CPU 1/2** up to 4 memory modules connected to Channel A - E on the 1st/2nd CPU (can not be populated by UDIMM or 4R RDIMM memory modules)

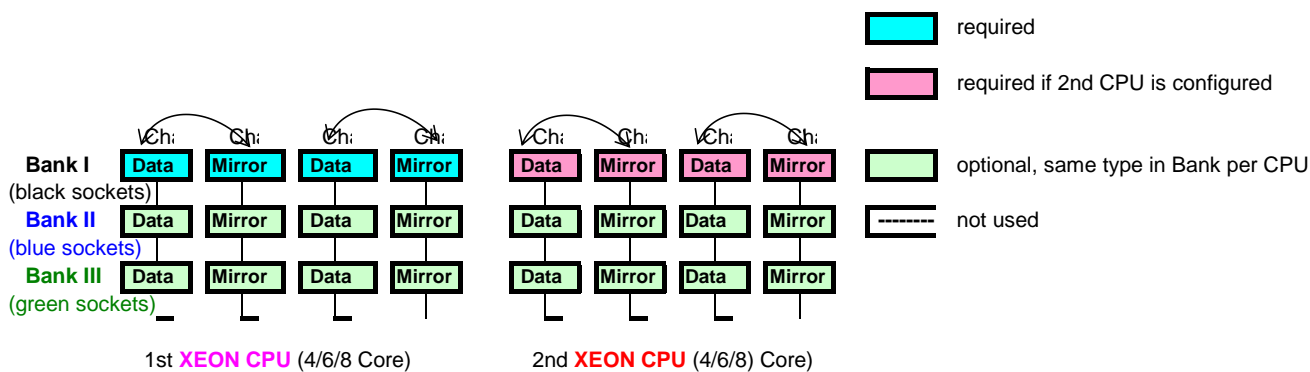
- See below and next page for a detailed descriptions of the memory configuration supported.

1. Independent Channel Mode



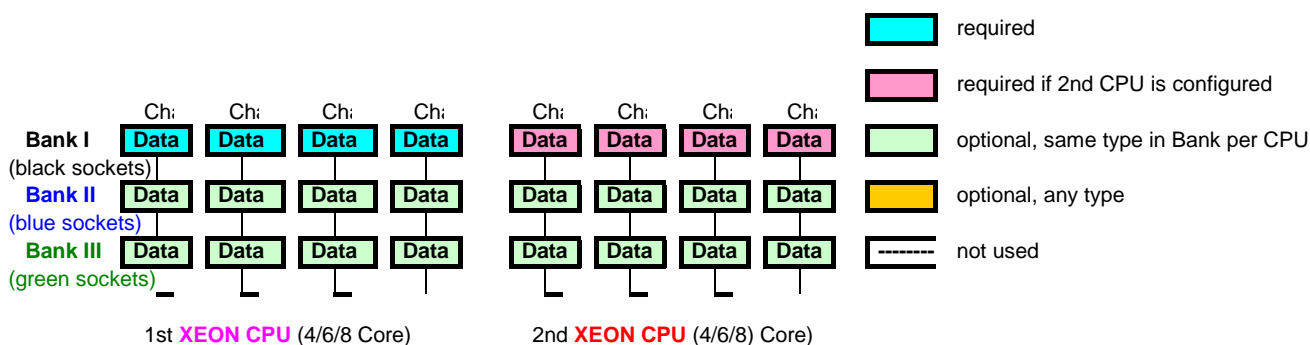
Independent Channel Mode allows all channels to be populated in any order
 Can run with differently rated DIMMs and use the settings of the slowest DIMM installed in the system

2. Mirrored Channel Mode



Mirrored Channel Mode requires identical modules on channel A,B, C, D (1st CPU) or channel E, F, G and H (2nd CPU)
 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory
 If this mode is used, a multiple of 4 identical modules has to be ordered.

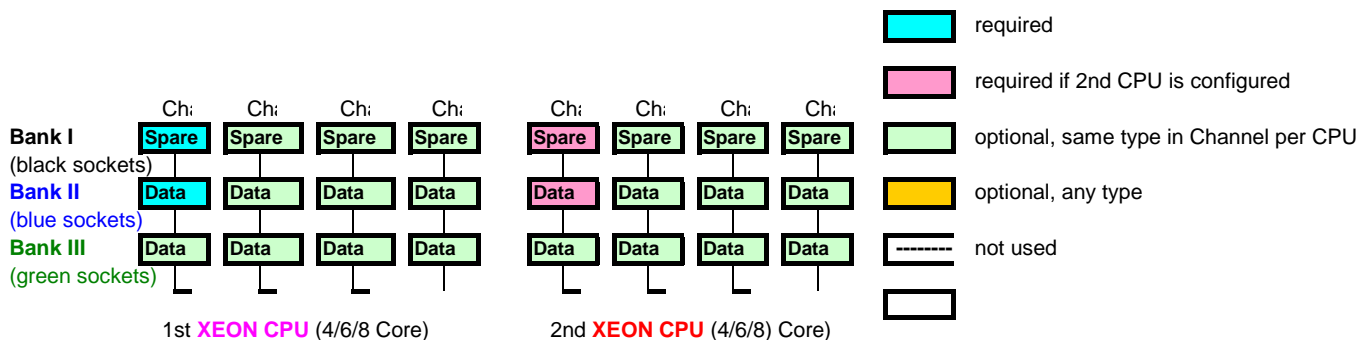
3. Performance Channel Mode



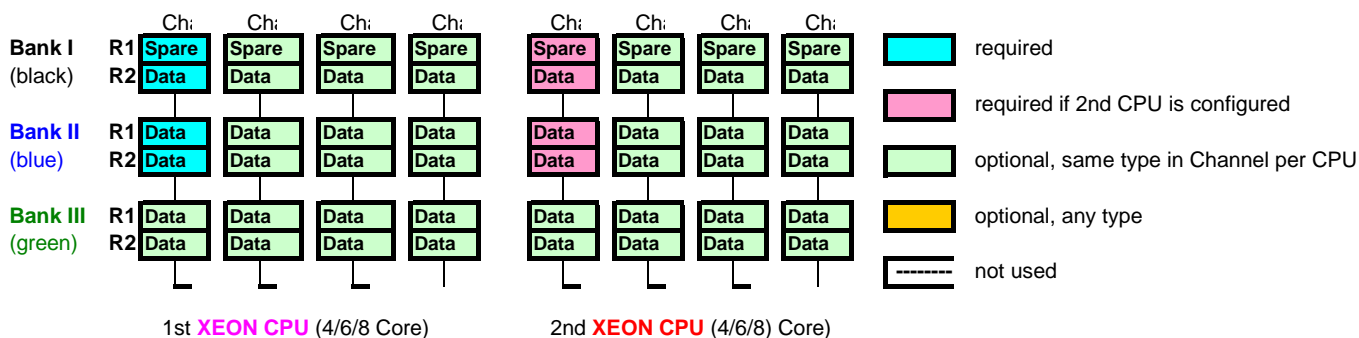
Performance Channel Mode requires identical modules on all channels of each Bank per CPU.
 If this mode is used, a multiple of 4 identical modules has to be ordered.

4. Rank Sparing Mode

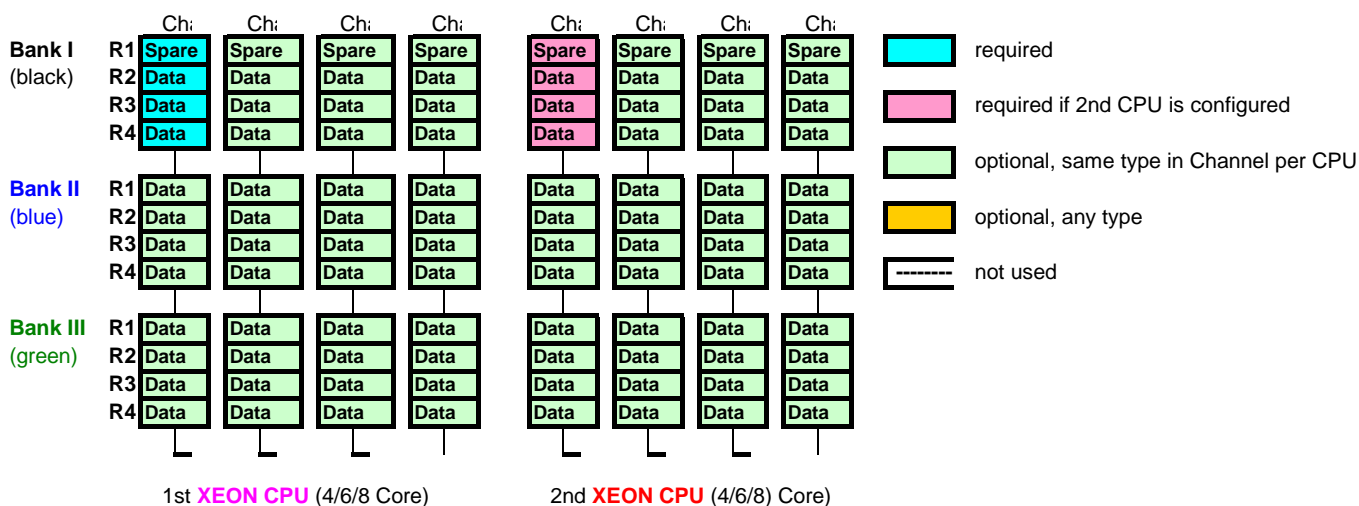
1-Rank Memory modules (RDIMM)



2-Rank Memory modules (RDIMM)



4-Rank Memory modules (LRDIMM)




Rank Sparing Mode requires identical modules (same capacity and technology) within the same channel.
 The available memory for applications will vary depending on configuration. Please refer to the spreadsheet above
 "Effective Memory capacity with active Rank Sparing Mode". Population rule for Rank sparing mode is to achieve max.
 available memory, e.g. 6 DIMMs will be spread across two channels, each with 3DPC

G

Section IV Graphics


Graphics Controller integrated in iRMC S3 (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)

S26361-F2571-E26
 Optional Front-VGA
 for Onboard Controller only
 consists of internal cable and
 front VGA connector
 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-I or VGA (cable kit) connections are part of the delivery. Optional Front-VGA S26361-F2571-E26 cannot be ordered if NVS300 is required.
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.

↑
 max. 1x
 ↓

S26361-F2748-E637
 PY VGA LP card 256MB PCI-e x1
 NVIDIA NVS300
 512 MB PCI-e-x1
 Connectors: 1x LFH 59
 cable kit for 2x DVI or 2x VGA
 cable kits included
 Dual head + professional 2-D + 3-D
 supported for Windows OS
 native driver support for Linux OS
 low profile bracket
 max. 1x per system

 **S26361-F2748-L637**
 PY VGA LP card 512MB PCI-e x1
 for loose delivery

I

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Section V Accessible drives

i Setup by ServerStart is supported with following configurations:
no DVD, no CD:
 remote installation only (PXE service & DHCP server required)
built in DVD or USB DVD:
 UNC Network share reachable or USB Floppy or MemoryBird connected

i If installation is done locally, make sure you have USB stick available for driver installation.

i Following USB Components are available

1) USB DVD SM / Blu-Ray		
External SuperMulti Drive	S26341-F103-L126	as long as available
External Blu-Ray Drive	S26341-F103-L127	as long as available
2) USB Memorybird:		
MyUSBS A910 8GB, MLC Flash	S26391-F6048-L208	as long as available
MyUSBS A910 16GB, MLC Flash	S26391-F6048-L216	as long as available

1x

S26361-F3269-E2
 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

S26361-F3641-E2
 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

S26361-F3749-E201
 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

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

i Configurations of DVD Drive are only possible for the Base Unit **S26361-K1386-V101** (4x 2.5" HDD + DVD Option)
 With onboard SATA/SAS controller, max. 4x SATA/SAS HD's and one DVD are configurable.

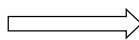
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Section VI Drive Bay for Upgrade from 4x2.5" to 8x2.5" HD Basic Unit



From Base Unit S26361-K1386-V101
 Drive Bay with up to 4x 2.5" HDDs
 plus one bay for DVD



to Base Unit S26361-K1386-V201
 Drive Bay with up to 8x 2.5" HDDs
 8 HDD Ports are connected to a RAID Ctrl.

S26361-F3317-L700
 8x 2.5" HDD Upgrade Option
 Upgrade to up to 8x 2.5" bays

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

On board SATA Controller with 3 Gb/s and up to 4x 2.5" SATA HDDs (no additional controller required)
 For all other HDD configurations a modular RAID-controllers is required

Following optional onboard SAS RAID can be selected for 4x2.5" base unit V101

S26361-F3674-E1
 SAS enabling key for onboard ports
 LSI - Patsburg B
 no Cache, no BBU
 RAID 0, 1 & 10
 SAS 1.0 (3Gb/s)
 4 internal ports for SAS HD
 PCIe x4
 no PCI slot required
 max. 1x per system



only for
 V101

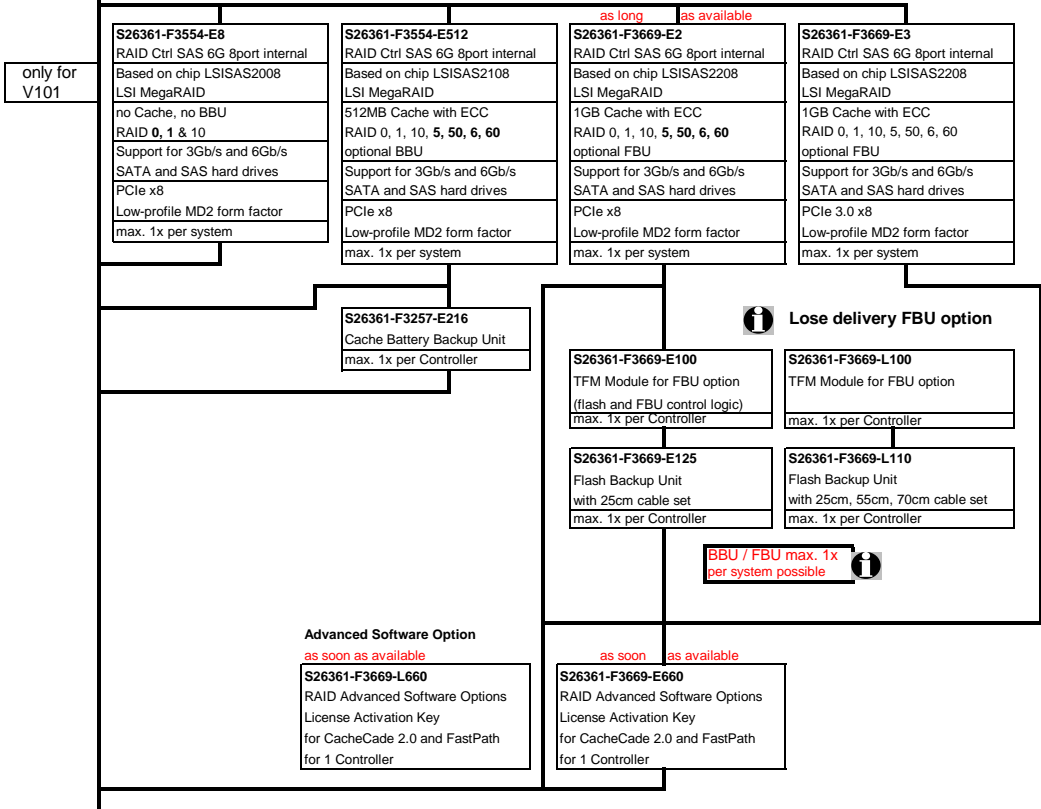
For 8x2.5" V201 base unit one of the following modular RAID-controllers is required (optional for 4x2.5" base unit)

Modular Raid 0/1 controller with IME support for SAS/SATA
 This RAID controller supports 8 HDDs on the 4 + 4 internal SAS ports

Modular Raid 5 controller for SAS/SATA
 RAID levels 0, 1, 10, 5, 50, 6 and 60
 are supported.
 This RAID controller supports 8 HDDs on the
 4 + 4 internal SAS ports



The FBU is an option for the controller
 which can be used once per controller.
 If the FBU option has been chosen, the
 TFM Module is needed once per FBU.



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Section VIII 4x / 8x 2.5" SAS / SATA Hard disk drives

Mixed configurations with 2.5" BC-SATA/BC-SAS HDD drives and 2.5" 10K SAS HDD drives (-F4482-E130, -F4482-E145 and -F4482-E160) are not allowed.
135W CPU is currently with 2.5" SAS 15K HDD, 2.5" SAS 10K HDDs(only S26361-F5247-*) and SSDs allowed.
All combinations of SSD and SAS are possible - but not in same logical drive (RAID array)
For basic units V1xx up to 4x SATA / SAS 2.5" hard disks plus ODD can be configured.
SAS support for V1xx only via optional selectable Patsburg upgrade kit
For basic units V2xx up to 8 SATA / SAS 2.5" hard disks can be configured.

S26361-F4581-E100 SSD SAS 100GB, MLC Solid State Disk, SAS 6Gb/s Enterprise Performance Mainstream Endurance * hot plug/hot replace tray max. 4/8x per system	S26361-F4581-E200 SSD SAS 200GB, MLC Solid State Disk, SAS 6Gb/s Enterprise Performance Mainstream Endurance * hot plug/hot replace tray max. 4/8x per system	S26361-F4581-E400 SSD SAS 400GB, MLC Solid State Disk, SAS 6Gb/s Enterprise Performance Mainstream Endurance * hot plug/hot replace tray max. 4/8x per system
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i *) Mainstream Endurance 10DWPD over 5y
Managed Life Model

S26361-F5225-E100 SSD SATA 100GB, MLC Solid State Disk, SATA 6Gb/s Mainstream Performance Mainstream Endurance * hot plug/hot replace tray max. 4/8x per system	S26361-F5225-E200 SSD SATA 200GB, MLC Solid State Disk, SATA 6Gb/s Mainstream Performance Mainstream Endurance * hot plug/hot replace tray max. 4/8x per system	S26361-F5225-E400 SSD SATA 400GB, MLC Solid State Disk, SATA 6Gb/s Mainstream Performance Mainstream Endurance * hot plug/hot replace tray max. 4/8x per system
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S26361-F4541-E100 SSD 100GB, SLC Solid State Disk, SAS 6Gb/s Enterprise Performance High Endurance ** hot plug/hot replace tray max. 4/8x per system	S26361-F4541-E400 SSD 400GB, SLC Solid State Disk, SAS 6Gb/s Enterprise Performance High Endurance ** hot plug/hot replace tray max. 4/8x per system	i **) High Endurance 100GB: max 9PB***, random write 400GB: max 35PB***, random write
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4x / 8x

S26361-F3708-E250 HD 250GB 7.2krpm 2.5" 7200rpm, <9,5ms, 64MB Cache BC SATA 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F3708-E500 HD 500GB 7.2krpm 2.5" 7200rpm, <9,5ms, 64MB Cache BC SATA 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F3708-E100 HD 1000GB 7.2krpm 2.5" 7200rpm, <9,5ms, 64MB Cache BC SATA 6Gb/s hot plug/hot replace tray max. 4/8x per system
	S26361-F4482-E514 HD 146GB 15krpm 2.5" 15000rpm, <4,5ms, 32MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F4482-E530 HD 300GB 15krpm 2.5" 15000rpm, <4,5ms, 32MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system
S26361-F4482-E190 HD 900GB 10krpm 2.5" 10000rpm, <4,5ms, 32MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F5228-E500 HD 500GB 7.2krpm 2.5" 7200rpm, <9,5ms, 64MB Cache BC SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F5228-E100 HD 1TB 7.2krpm 2.5" 7200rpm, <9,5ms, 64MB Cache BC SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system
S26361-F5247-E130 HD 300GB 10krpm 2.5" 10000rpm, <4,5ms, 32MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F5247-E145 HD 450GB 10krpm 2.5" 10000rpm, <4,5ms, 32MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F5247-E160 HD 600GB 10krpm 2.5" 10000rpm, <4,5ms, 32MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system
S26361-F5247-E190 HD 900GB 10krpm 2.5" 10000rpm, <4,5ms, 32MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system	i *F5247*: 135W CPU (-F3691-E290) supported *F5247*: sucessor for *F5227*	
S26361-F4482-E130 HD 300GB 10krpm 2.5" 10000rpm, <4,5ms, 16MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F4482-E145 HD 450GB 10krpm 2.5" 10000rpm, <4,5ms, 16MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system	S26361-F4482-E160 HD 600GB 10krpm 2.5" 10000rpm, <4,5ms, 16MB Cache SAS 6Gb/s hot plug/hot replace tray max. 4/8x per system

i ***) 1GB is equal to one billion bytes when referring to SSD capacity. 1TB equals 1,000GB, and 1PB equals 1,000TB. Accessible capacity will vary depending on the operating environment and formatting.

L

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Section IX External SAS Disk Array & Backup drives

SAS RAID controller for JBOD subsystems

1x

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

as long as available
S26361-F3713-E201
 RAID Ctrl SAS 6G 8port external
 LSI MegaRAID SAS 9285-8e
 1GB Cache with ECC
 RAID 0, 1, 5, 6, 10, 50 & 60
without FBU
 SAS 6Gb/sec
 8 port external
 PCIe x8, MD2 form factor
 low profile bracket
 max. 1x per system

as soon as available
S26361-F3713-E203
 RAID Ctrl SAS 6G 8port ext. V3 lp
 LSI MegaRAID SAS 9286-8e
 1GB Cache with ECC
 RAID 0, 1, 5, 6, 10, 50 & 60
without FBU
 SAS 6Gb/sec
 8 port external
 PCIe 3.0 x8, MD2 form factor
 low profile bracket
 max. 1 per system

S26361-F3257-E255
 Cache Battery Backup Unit
 with 55cm cable set
 max. 1x per Controller

i
BBU / FBU max. 1x per system possible
 for loose delivery please order
S26361-F3257-L110

i
S26361-F3669-L110
 Flash Backup Unit
 with 25, 55, 70 cable set
 max. 1x per Controller

S26361-F3669-E155
 Flash Backup Unit
 with 55cm cable set
 max. 1x per Controller

i **Advanced Software Option**
as soon as available
S26361-F3669-L661
 RAID Advanced Software Options
 License Activation Key
 for CacheCade 2.0 and FastPath
 for 1 Controller

as soon as available
S26361-F3669-E661
 RAID Advanced Software Options
 License Activation Key
 for CacheCade 2.0 and FastPath
 for 1 Controller

SAS controller for external backup drives (in SX05 S1 SAS)

2x

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

PCIe SSD (occupies one PCIe slot)

1x

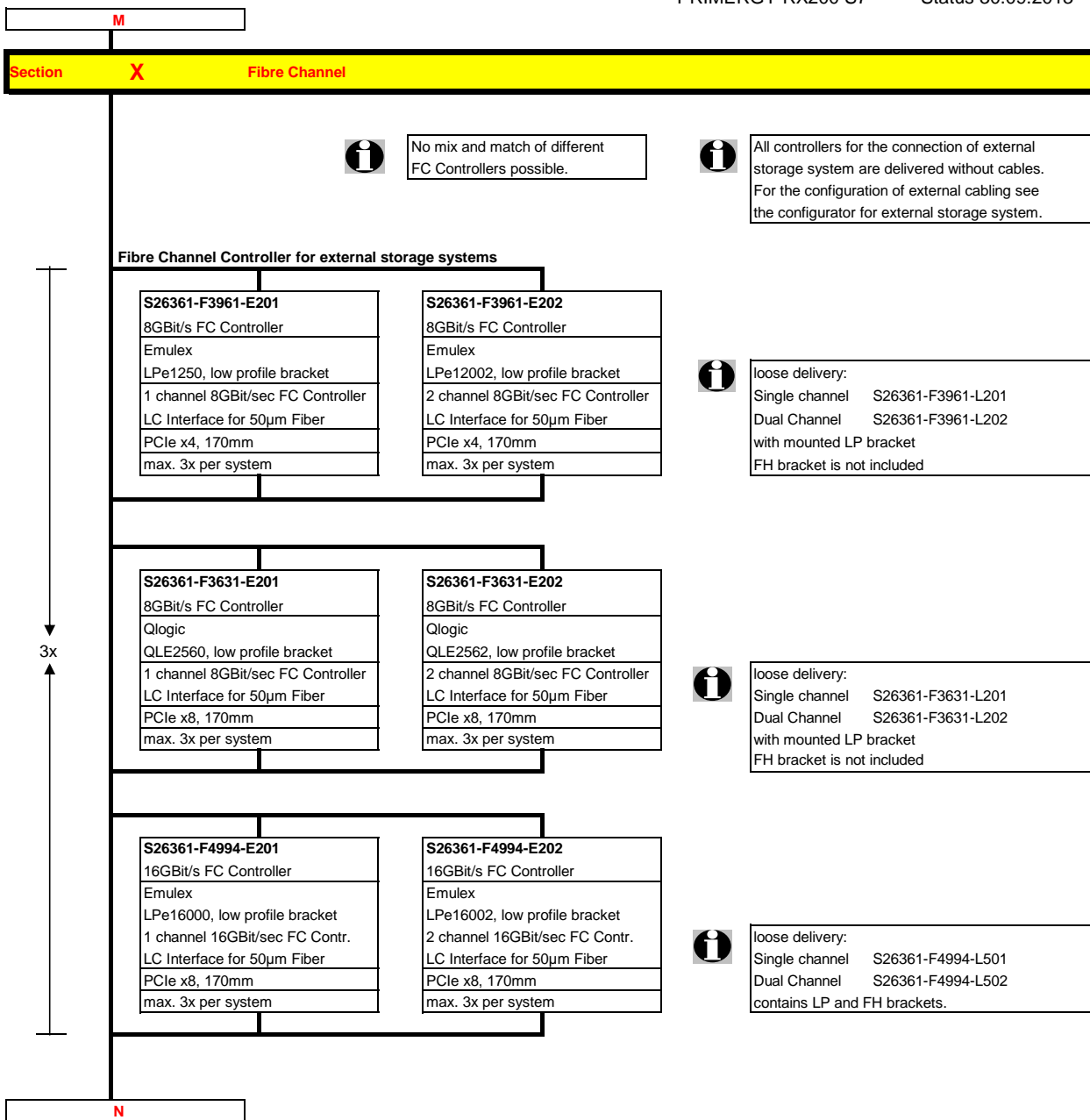
S26361-F4522-E351
 PCIe-SSD 365GB MLC
 ioDrive2 365GB
 PCIe 2.0
 25nm Lithography
 PCIe x4, Low Profile
 max. 1x per system

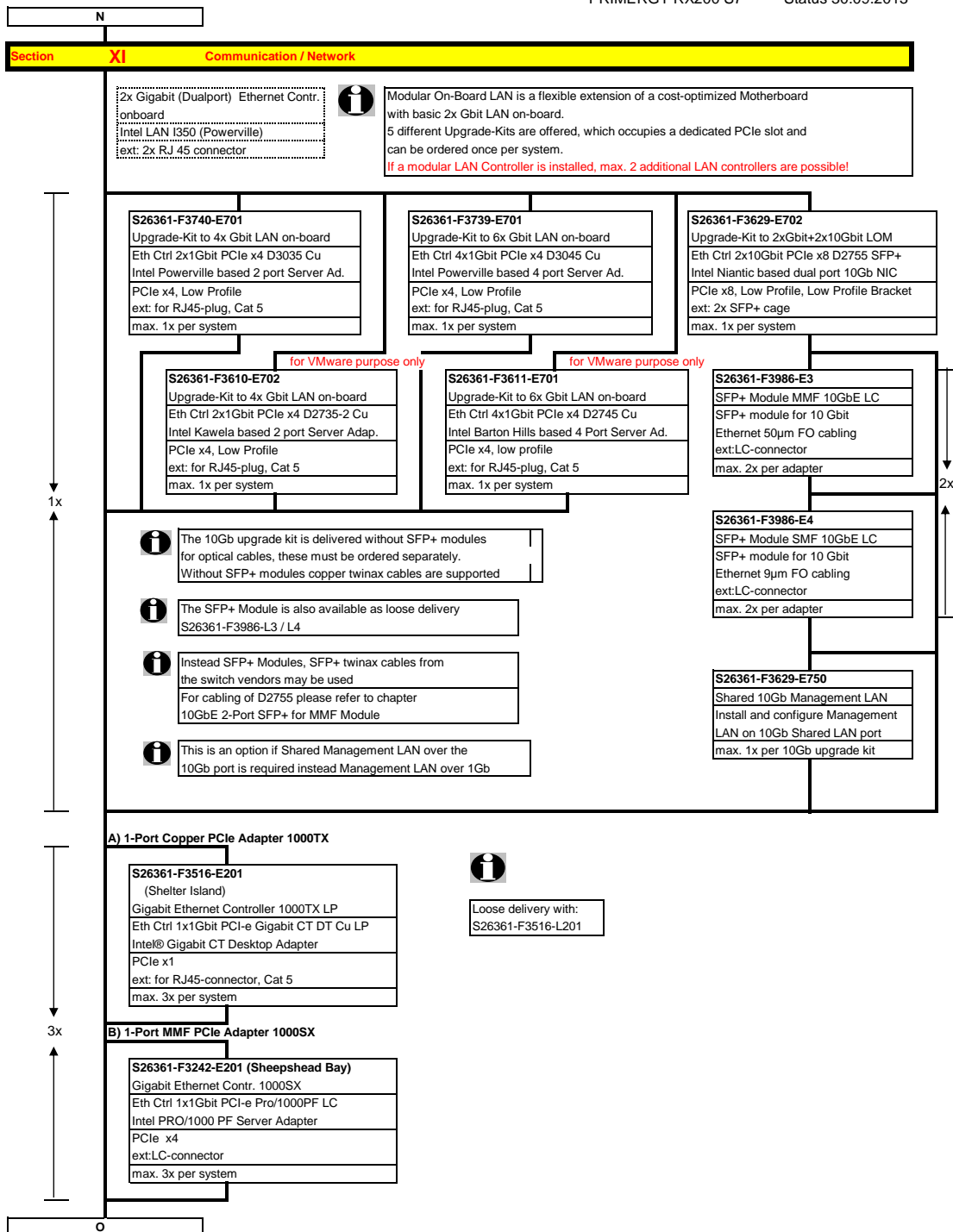
S26361-F4522-E781
 PCIe-SSD 785GB MLC
 ioDrive2 785GB
 PCIe 2.0
 25nm Lithography
 PCIe x4, Low Profile
 max. 1x per system

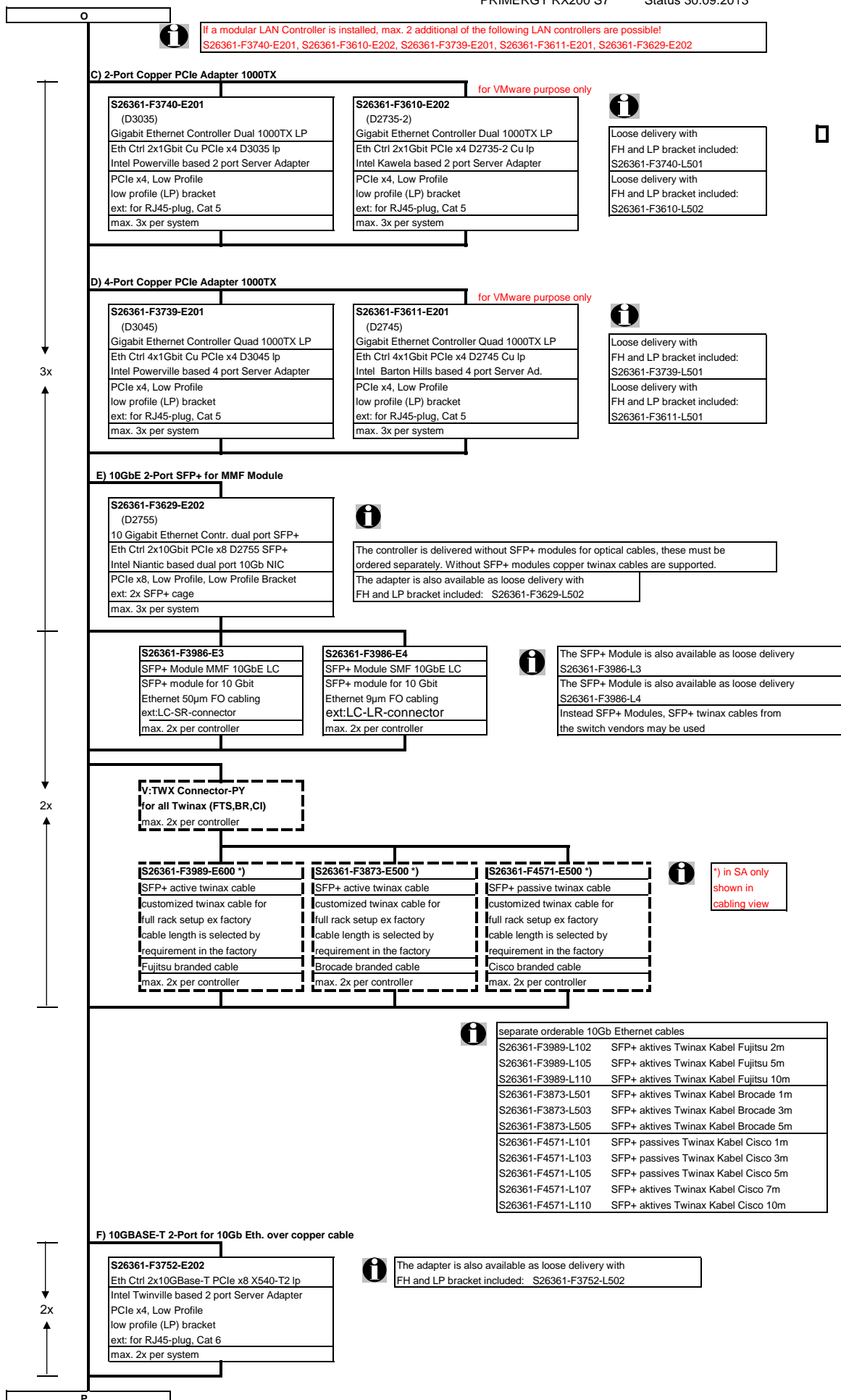
S26361-F4522-E121
 PCIe-SSD 1.2TB MLC
 ioDrive2 1.2TB
 PCIe 2.0
 25nm Lithography
 PCIe x4, Low Profile
 max. 1x per system

i
 loose delivery: S26361-F4522-L351
 loose delivery: S26361-F4522-L781/L121

M







If a modular LAN Controller is installed, max. 2 additional of the following LAN controllers are possible!
S26361-F3740-E201, S26361-F3610-E202, S26361-F3739-E201, S26361-F3611-E201, S26361-F3629-E202

C) 2-Port Copper PCIe Adapter 1000TX

<p>S26361-F3740-E201 (D3035) Gigabit Ethernet Controller Dual 1000TX LP Eth Ctrl 2x1Gbit Cu PCIe x4 D3035 lp Intel Powerville based 2 port Server Adapter PCIe x4, Low Profile low profile (LP) bracket ext: for RJ45-plug, Cat 5 max. 3x per system</p>	<p>S26361-F3610-E202 (D2735-2) Gigabit Ethernet Controller Dual 1000TX LP Eth Ctrl 2x1Gbit PCIe x4 D2735-2 Cu lp Intel Kawela based 2 port Server Adapter PCIe x4, Low Profile low profile (LP) bracket ext: for RJ45-plug, Cat 5 max. 3x per system</p>
---	---

for VMware purpose only

Loose delivery with FH and LP bracket included: S26361-F3740-L501
Loose delivery with FH and LP bracket included: S26361-F3610-L502

D) 4-Port Copper PCIe Adapter 1000TX

<p>S26361-F3739-E201 (D3045) Gigabit Ethernet Controller Quad 1000TX LP Eth Ctrl 4x1Gbit Cu PCIe x4 D3045 lp Intel Powerville based 4 port Server Adapter PCIe x4, Low Profile low profile (LP) bracket ext: for RJ45-plug, Cat 5 max. 3x per system</p>	<p>S26361-F3611-E201 (D2745) Gigabit Ethernet Controller Quad 1000TX LP Eth Ctrl 4x1Gbit PCIe x4 D2745 Cu lp Intel Barton Hills based 4 port Server Ad. PCIe x4, Low Profile low profile (LP) bracket ext: for RJ45-plug, Cat 5 max. 3x per system</p>
---	---

for VMware purpose only

Loose delivery with FH and LP bracket included: S26361-F3739-L501
Loose delivery with FH and LP bracket included: S26361-F3611-L501

E) 10GbE 2-Port SFP+ for MMF Module

<p>S26361-F3629-E202 (D2755) 10 Gigabit Ethernet Contr. dual port SFP+ Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+ Intel Niantic based dual port 10Gb NIC PCIe x8, Low Profile, Low Profile Bracket ext: 2x SFP+ cage max. 3x per system</p>
--

The controller is delivered without SFP+ modules for optical cables, these must be ordered separately. Without SFP+ modules copper twinax cables are supported.
The adapter is also available as loose delivery with FH and LP bracket included: S26361-F3629-L502

<p>S26361-F3986-E3 SFP+ Module MMF 10GbE LC SFP+ module for 10 Gbit Ethernet 50µm FO cabling ext:LC-SR-connector max. 2x per controller</p>	<p>S26361-F3986-E4 SFP+ Module SMF 10GbE LC SFP+ module for 10 Gbit Ethernet 9µm FO cabling ext:LC-LR-connector max. 2x per controller</p>
--	---

The SFP+ Module is also available as loose delivery S26361-F3986-L3
The SFP+ Module is also available as loose delivery S26361-F3986-L4
Instead SFP+ Modules, SFP+ twinax cables from the switch vendors may be used

V:TWX Connector-PY
for all Twinax (FTS,BR,CI)
max. 2x per controller

<p>S26361-F3989-E600 *) SFP+ active twinax cable customized twinax cable for full rack setup ex factory cable length is selected by requirement in the factory Fujitsu branded cable max. 2x per controller</p>	<p>S26361-F3873-E500 *) SFP+ active twinax cable customized twinax cable for full rack setup ex factory cable length is selected by requirement in the factory Brocade branded cable max. 2x per controller</p>	<p>S26361-F4571-E500 *) SFP+ passive twinax cable customized twinax cable for full rack setup ex factory cable length is selected by requirement in the factory Cisco branded cable max. 2x per controller</p>
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*) in SA only shown in cabling view

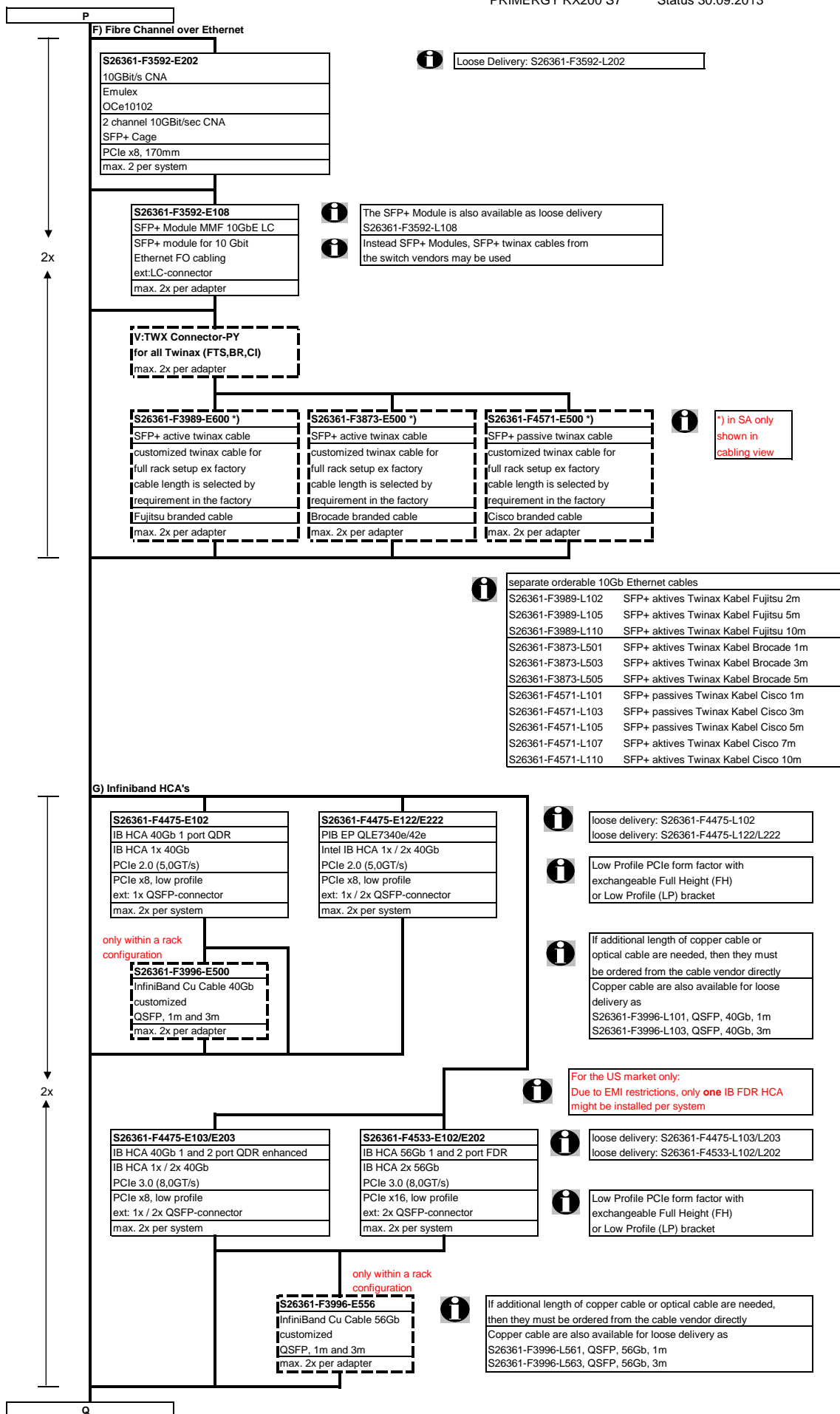
separate orderable 10Gb Ethernet cables

S26361-F3989-L102	SFP+ aktives Twinax Kabel Fujitsu 2m
S26361-F3989-L105	SFP+ aktives Twinax Kabel Fujitsu 5m
S26361-F3989-L110	SFP+ aktives Twinax Kabel Fujitsu 10m
S26361-F3873-L501	SFP+ aktives Twinax Kabel Brocade 1m
S26361-F3873-L503	SFP+ aktives Twinax Kabel Brocade 3m
S26361-F3873-L505	SFP+ aktives Twinax Kabel Brocade 5m
S26361-F4571-L101	SFP+ passives Twinax Kabel Cisco 1m
S26361-F4571-L103	SFP+ passives Twinax Kabel Cisco 3m
S26361-F4571-L105	SFP+ passives Twinax Kabel Cisco 5m
S26361-F4571-L107	SFP+ aktives Twinax Kabel Cisco 7m
S26361-F4571-L110	SFP+ aktives Twinax Kabel Cisco 10m

F) 10GBASE-T 2-Port for 10Gb Eth. over copper cable

<p>S26361-F3752-E202 Eth Ctrl 2x10GBase-T PCIe x8 X540-T2 lp Intel Twinville based 2 port Server Adapter PCIe x4, Low Profile low profile (LP) bracket ext: for RJ45-plug, Cat 6 max. 2x per system</p>
--

The adapter is also available as loose delivery with FH and LP bracket included: S26361-F3752-L502



Q

Section XII System Management Products (RemoteView)

iRMC S3 (integrated Remote Management Controller) onboard server management Controller with dedicated 10/100/1000 Service LAN-port and integrated graphics. Optional 10/100 Service LAN-port on front panel. The Service LAN-port can be switched alternatively on standard Gbit LAN port



S26361-F1790-E242
iRMC S3 advanced pack
 integrated remote management controller activation key for graphical console redirection and remote media redirection
 max. 1x per system

S26361-F2557-E301
HDD&RAID OOB monitoring by iRMC
 Out of Band Status Monitoring for HDD w/o OS running
 Cable between HDD BP and Mobo
 max. 1x per system



Loose delivery with:
S26361-F2557-L301

S26361-F2571-E27
Maintenance LAN
 Front management LAN Port
 In combination with iRMC adv. pack
 For local maintenance / console redirection, Integrated in front (operating panel)
 max. 1x per system

Section XIII Miscellaneous

S26361-F3120-E3
 Serial Port Option
 RS-232-C
 Cable with 9-pin plug for a RS-232-C Serial Port Interface
 occupies PCI slot
 max. 1x per system



serial port bracket can be plugged-in in every of the rear slots assembly priority; slot3, slot 2, slot 1



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

Section XIV Country specific power cord

S26361-F1452-E100
REGION KIT EMEA AP
 For Shipments to EMEA / Asia and Pacific regions
 1x per system

S26361-F1452-E110
REGION KIT JP
 For Shipments to Japan regions
 1x per system



Power cord has to be ordered separately

max. 2 x

Power cord options (1x per PSU)	
T26139-Y1968-E100	Powercord for rack, 4m, grey, IEC 320 C13/C14 connector
T26139-Y1742-E10	USA, Canada, 1.8m, grey
T26139-Y3850-E10	Option "no powercord", for Countries without specific cable orderable like e.g. China

R

R

Section XVI CCC exclusions

S26361-F3301-E120
 CCC Certification for China
 Limits configuration in accordance
 with CCC exclusions
 max. 1x per system

The following order components out of the specific sections are NOT allowed together with CCC Certification for China:



ODD (only V101)	
DVD-RW supermulti slim SATA	S26361-F3269-E2
Blu-ray Triple Writer slim SATA	S26361-F3641-E2

Raid Controller external	
RAID Ctrl SAS 6G 8port external	S26361-F3593-E201
SAS Controller 6Gb/s 8 port LP	S26361-F3628-E201

Fibre Cannel Controller	
8GBit/s FC Controller Qlogic	S26361-F3631-E201
8GBit/s FC Controller Emulex	S26361-F3961-E202

Comm., Network	
Upgrade-Kit to 2xGbit+2x10Gbit LAN on-board	S26361-F3629-E702
SFP+ Module MMF 10GbE LC	S26361-F3986-E3
Shared 10Gb Management LAN	S26361-F3629-E750
Gigabit Ethernet Controller 1000TX LP	S26361-F3516-E201
Gigabit Ethernet Contr. 1000SX	S26361-F3242-E201
10 Gigabit Ethernet Contr. dual port SFP+	S26361-F3629-E202
10GBit/s CNA	S26361-F3592-E202
SFP+ Module MMF 10GbE LC	S26361-F3592-E108

End PRIMERGY RX200 S7

Change Report

Date	Order number	Changes
2013-06-10	S26361-F3669-E3	Cougar 3 V3 not available with TFM and FBU
2013-05-29	S26361-F3610-E202	D2735 for VMware purpose added
2013-05-23	S26361-F3713-E203	RAID Ctrl SAS 6G 8Port ex 1GB LSI V3
2013-05-16		HDD & SSD description text updated
2013-03-25	S26361-F3669-E661/L661	RAID advanced SW options added - for RAID Ctrl SAS 6G 8port external
2013-03-25	S26361-F3669-E660/L660	RAID advanced SW option added - for RAID Ctrl SAS 6G 1GB (D3116C)
2013-03-25	S26361-F3669-E3	RAID Ctrl SAS 6G 1GB (D3116C) added
2013-02-13	S26361-F3694-E3	comment (as soon as available) removed
2013-02-04	S26361-F4995-*	added preliminary LPe1600x
2013-01-29	S26361-F2735-E145	Add RMK-F1 Standard , tab basic units
2013-01-08	S26361-F5247-E*	New 2.5" SAS HDD order number (135W CPU supported, mix with BC-SATA supported, successor for * F5227*)
2012-11-27	S26361-F5228-E500/-E100	2.5" BC-SAS 500GB/1TB added
2012-11-14		200GB SLC SSD removed as EOL
2012-11-14	S26361-F3669-L100/-L110	know available
2012-11-14	S26361-F3669-E2 S26361-F3669-E100 S26361-F3669-E125	added (S26361-F3669-E1 removed)
2012-11-14	S26361-F3713-E201 S26361-F3669-E155	know available including FBU
2012-10-19		comment added: Optional Front-VGA S26361-F2571-E26 cannot be ordered if NVS300 is required.
2012-10-14	S26361-F3301-E120	Added CCC exclusions
2012-10-10	S26361-F3749-E201	Added USB 3.0 Adapter
2012-10-02	S26361-F4522-E121	now released
2012-10-02	S26361-F4522-E781	now released
2012-09-28	S26361-F4541-E200	SSD no longer available
2012-09-28	S26361-F3739-E201/701 S26361-F3740-E201/701 S26361-F3752-E202	Added New dual/quad 1Gb controller and 10Gb BASE-T controller
2012-09-26		LAN controller 3x instead of 2x per system (typo corrected)
2012-08-29	S26361-F4522-E781	as soon as released
2012-08-24	S26361-F3641-E2	comment (as soon as available) removed,
2012-08-24	S26361-F3698-E516/-E517	comment (as soon as available) removed, extended delivery time
2012-08-20	S26341-F103-L127	comment (as soon as released) removed
2012-08-20	S26341-F103-L126	comment (as soon as released) removed
2012-08-17	S26361-F4522-E641	removed, PCIe-SSD 640GB MLC
2012-08-17	S26361-F4522-E321	removed, PCIe-SSD 320GB MLC
2012-07-30	S26361-F2735-L176	Add RMK-F1 LV w/o. CMA adapter (short rail 731mm)
2012-07-25	S26361-F4581-Exxx	Add SSD SAS MLC
2012-07-25	S26361-F5225-Exxx	Add SSD SATA MLC
2012-07-13	S26361-F5227-E1*	New order for 2.5" 10K SAS HDD supporting mix with 2.5" BC-SATA HDD
2012-06-28		Restriction of TFM / FBU for F3669-E1
2012-05-16		Sheet CCC exclusions added
2012-04-20	S26361-F3669-E125	F3669: FBU cable lengths changed from 55 to 25
2012-04-20	S26361-F3713-E201	new ext. SAS RAID controller added
2012-04-20		Memory voltage / frequency spreadsheet, 3DPC at 1.5V only
2012-03-30	S26361-F2735-L7	optional lateral cable mangement added for loose delivery for asymmetrical racks
2012-02-29		First Release