

PRIMERGY RX200 S8

System configurator and order-information guide



Contents

4x 2.5" Hot-plug HDD or SSD

.

8x 2.5" Hot-plug HDD or SDD

Instructions

Configuration c Configurator

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

PRIMERGY Server

Instructions

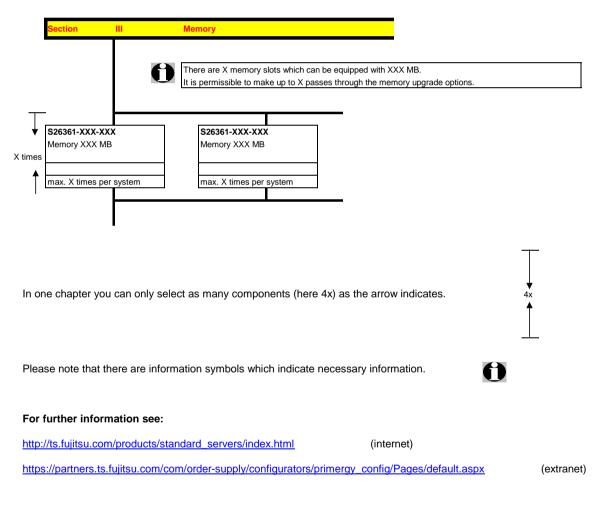
This document contains basic product and configuration information that will enable you to configure your system via PC-/SystemArchitect.

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.

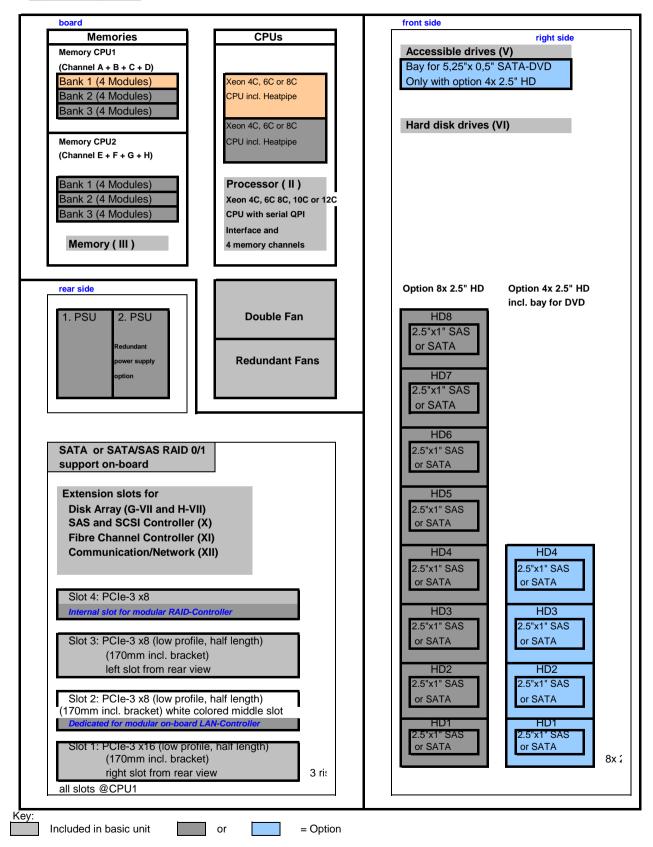
Please follow the lines. If there is a junction, you can choose which way or component you would like to take. Go through the configurator by following the lines from the top to the bottom.



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

Configuration diagram PRIMERGY RX200 S8

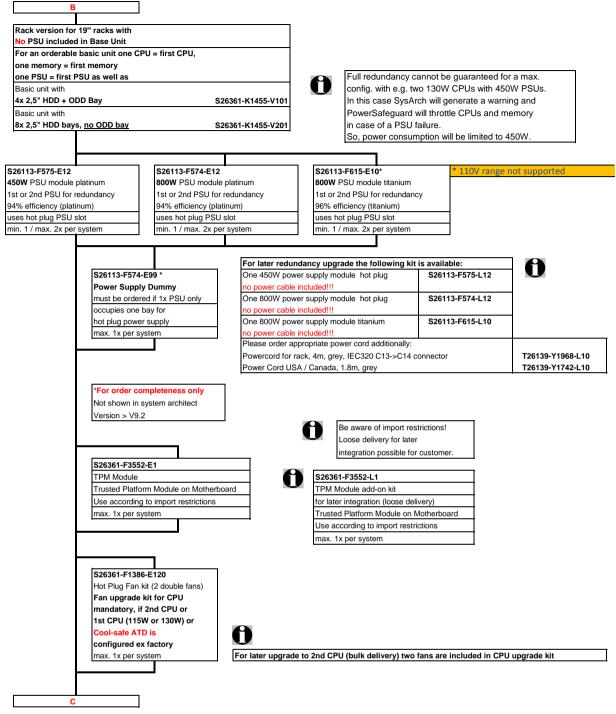
System unit (I)

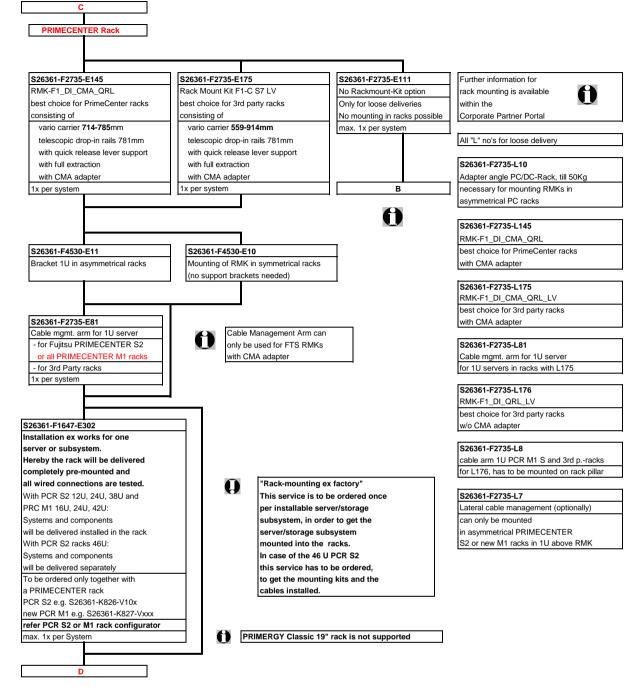


One CPU (first CPU) and one memory (first memory) has to be selected for an orderable basic unit.

ion	1	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 D3302 with:
		· Up to two Xeon DP 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 PCle-3 x16 (Low Profile cards)
		-1x PCIe-3 x8 internal for modular RAID controller only
		* 24 memory slots for max. 1.536GB RAM DDR3 available
		- Memory is divided into 12 DIMMs per CPU (4 channels with 3 slots per channel)
		Possible max. configurations are:
		24x 64GB LRDIMM (eight rank modules) = 1536GB
		16x 16GB RDIMM quad rank modules) = 384GB
		16x 8GB UDIMM (dual rank modules) = 128GB (on special Release only)
		First Memory (one module) has to be selected for an orderable basic unit per CPU
		- Memory upgrade is possible module wise
		Memory mirrroring is supported with 2 identical modules in channel A+B/C+D CPU 1 or E+F/'G+H CPU 2 Deale an active result of with mine 0 + D / D / D and with 2 identical modules in channel A+B/C+D CPU 1 or E+F/'G+H CPU 2
		Rank sparing mode is supported with min. 2x 1R/2R or 1x 4R modules for RDIMM or LRDIMM SDDC (Chinkill) is summarized for RDIMMs (second to constitute) and I RDIMMs
		- SDDC (Chipkill) is supported for RDIMMs (except x8 organisation) and LRDIMMs,
	1	* Dual Port 10/100/1000 x4 PCI Express* Gigabit Ethernet Intel LAN controller Powerville on-board
		* iRMC S4 (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 S4 (integrated Remote Management Controller):
		1600x1200x16bpp 60Hz, 1280x1024x16bpp 60Hz, 1024x768x32bpp 75Hz, 800x600x32bpp 85Hz,
		640x480x32bpp 85Hz
	1	(1280x1024x24bpp 60Hz only possible if local monitor or remote video redirection is off)

In	terfaces at the rear:			
	1x VGA (15 pins)			
	3x USB 2.0 (UHCI) with 480MBit			
	2x LAN RJ45, 1x Service-LAN R	J45		
	terfaces on the front: 2x USB 2.0 (UHCI) with 480MBit			
	1x VGA (15 pins) as an option	/s, no USB wakeup		
	1x Service-LAN RJ45 as an optic	n		
	terfaces internal:			
	1x USB 2.0 (UHCI) with 480MBit	/s for dongle funciona	lity (uSSD memory), no USB	wakeup
	1x SATA interface for DVD (only	•	• •	
*	4x SATA/SAS interface for 4 SA	TA/SAS HD`s (only u	sable for 4x 2.5" HDD baseun	it)
*	2x USB 2.0 ports for internal USE	P rodiraction connect	d to BMC	
S - -	oftware: ServerView Suite Software pack Documentation engl. (multilingua ote: Rack Mounting kit and Po	age incl. ServerStart, al on CD) wer Cord for RX200	ServerBooks, Management \$	
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S - - hi	oftware: ServerView Suite Software pack Documentation engl. (multilingua ote: Rack Mounting kit and Po as to be configured separately Cables included in ba	age incl. ServerStart, al on CD) wer Cord for RX200 Asic unit	ServerBooks, Management \$	sic unit and
1.	oftware: ServerView Suite Software pack Documentation engl. (multilingua ote: Rack Mounting kit and Po as to be configured separately Cables included in ba Connections	age incl. ServerStart, al on CD) wer Cord for RX200 ASIC Unit Cable	ServerBooks, Management S	sic unit and 10 S8 Key: © SAS
S	oftware: ServerView Suite Software pack Documentation engl. (multilingua ote: Rack Mounting kit and Po as to be configured separately Cables included in ba Connections SATA DVD	age incl. ServerStart, al on CD) wer Cord for RX200 asic unit Cable	ServerBooks, Management S S8 is not included in the ba PRIMERGY RX20	sic unit and 10 S8 Key: © SAS

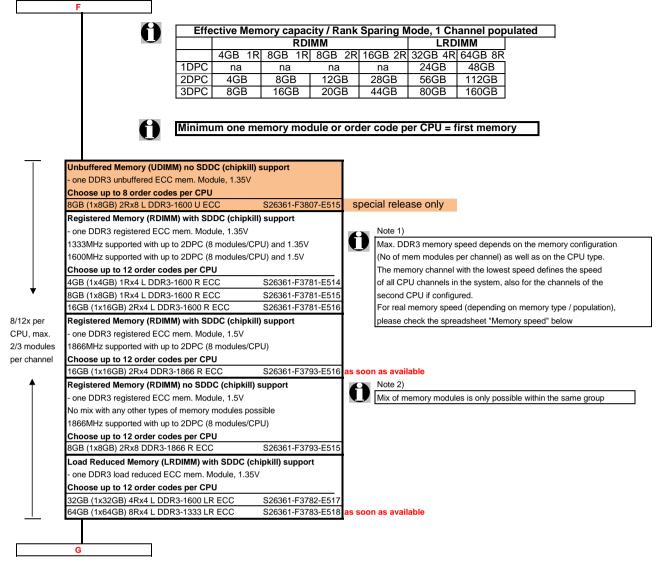




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Section	Processor		
	These are 2 pressess assists qualitable		
	There are 2 processor sockets available. The first socket is always equipped with the f	int CPU which can be calested via as	pefigurator
-	It is also possible to upgrade a dual-processo		Inigurator
	1 10 1	,	
	Two processors with different type are no	•	
	If 1CPU with a TDP >= 115W is used, the h		
	If 2CPUs are used, the hot plug redundant		
	If Cool-safe Advanced Thermal Design is	· · · · · · · · · · · · · · · · · · ·	t (S26361-F1386-E120) is required.
	A multi-processor operating system is require	ed for a dual-processor system.	
Max. two CPU's can be selected	•		
One of following CPU's has to b	be selected as first CPU		
for an orderable basic unit			
•	the same type like the first CPU		
Basic 4C CPU's			Max. DDR3 Bus Speed depends on:
 1x 64-bit Intel Xeon (10MB Smar 		1	- max. DDR3 Bus Speed from the CPU and
1333 MHz DDR3 Bus; 6,40 GT/	s QPI Bus and passive heat sink		- max. DDR3 Memory Speed and
occupies socket for one CPU			- max. memory modules on one memory chan
Xeon E5-2603v2 4C/4T 1.80GHz	10MB 6.40GT/s 1333MHz 80W	S26361-F3800-E180	For CPUs which do not offer 1866 MHz suppo
Xeon E5-2609v2 4C/4T 2.50GHz	10MB 6.40GT/s 1333MHz 80W	S26361-F3800-E250	(Basic, Standard & Low Power class),
Standard Turbo 6C/8C CPU's			System Architect will not offer memory module
- 1x 64-bit Intel Xeon (15/20MB Sr	mart Cache); Hyper-Threading (HT);		supporting this frequency.
1600 MHz DDR3 Bus; 7,20 GT/	s QPI Bus and passive heat sink		
occupies socket for one CPU			
Xeon E5-2620v2 6C/12T 2.10GH	z 15MB 7.20GT/s 1600MHz 80W	S26361-F3801-E210	
Xeon E5-2630v2 6C/12T 2.60GH	z 15MB 7.20GT/s 1600MHz 80W	S26361-F3801-E260	
Xeon E5-2640v2 8C/16T 2.00GH	z 20MB 7.20GT/s 1600MHz 95W	S26361-F3801-E200	
Advanced Turbo+ 8C/10C CPU	S		
- 1x 64-bit Intel Xeon (20/25MB Sr	mart Cache); Hyper-Threading (HT);		
1866 MHz DDR3 Bus; 8,00 GT/	s QPI Bus and passive heat sink		
occupies socket for one CPU	·		
Xeon E5-2650v2 8C/16T 2.60GH	z 20MB 8.00GT/s 1866MHz 95W	S26361-F3802-E260	
Xeon E5-2660v2 10C/20T 2.20GI	Hz 25MB 8.00GT/s 1866MHz 95W	S26361-F3802-E220	
	Hz 25MB 8.00GT/s 1866MHz 115W	S26361-F3802-E250	
Xeon E5-2680v2 10C/20T 2.80GI	Hz 25MB 8.00GT/s 1866MHz 115W	S26361-F3802-E280	
Xeon E5-2690v2 10C/20T 3.00G	Hz 25MB 8.00GT/s 1866MHz 130W	S26361-F3802-E300	
Segment Optimized CPU's			
	3 Smart Cache); Hyper-Threading (HT);		
	s QPI Bus and passive heat sink		
occupies socket for one CPU			
	15MB 8.00GT/s 1866MHz 130W	S26361-F3803-E350	
	z 25MB 8.00GT/s 1866MHz 130W	S26361-F3803-E330	
	z 25MB 8.00GT/s 1866MHz 130W	S26361-F3803-E300	
	Hz 30MB 8.00GT/s 1866MHz 115W	S26361-F3803-E240	
	Hz 30MB 8.00GT/s 1866MHz 130W	S26361-F3803-E270	
Low Power 6C/10C CPU's			
	mart Cache); Hyper-Threading (HT);		
) GT/s QPI Bus and passive heat sink		
occupies socket for one CPU	on o an bus and passive field sink		
	Hz 15MB 7.20GT/s 1600MHz 60W	S26361-F3804-E240	
	HZ 15MB 7.20G1/S 1600MHZ 60W GHz 25MB 8.00GT/s 1600MHz 70W	S26361-F3804-E240 S26361-F3804-E170	
1.700 E3-2030EV2 100/201 1.700	5112 251410 0.000 1/5 100014112 / 044	520501-1:3004-E170	
Į	7		
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E			

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ion	III	Memory
	A	- There are 12 memory slots per CPU for max.
	Ð	768GB LRDIMM (12x 64GB 8R)
		192GB RDIMM (12x 16GB 2R)
		64GB UDIMM (8x 8GB) on special Release only
		=> max. 1.536GB for two CPU`s (768GB 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 single DIMM per channel configuration, following frequencies are supported:
		- 1.5V - 1866MHz max (depending on CPU)
		- 1.35V - 1600MHz max (depending on CPU, up to two LRDIMM per channel)
		- 1.35V - 1333MHz max (up to two UDIMM or RDIMM per channel)
		In a 3 DIMMs per channel configuration, memory will operate at 1.35V or 1.5V (no UDIMM allowed). SDDC (Chipkill) is supported for registered / load reduceed 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 per CPU
		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 per CPU
		This mode is not supported by unbuffered memory modules
-		E10 Independent Mode
		annel Mode allows all channels to be populated in any order. No specific Memory RAS features are defined I memory Module per CPU
	S26361-F3694-	
		tory preinstalled to this mode. One Rank is spare of other ranks on the same channel. Spare Rank is not shown in System Memory.
		pacity within a channel, please have a look below.
		RDIMM / LRDIMM only.
CPU		2x 1R/2R or 1x 4R modules per CPU
	S26361-F3694-	
	BIOS Setup fac	tory preinstalled for max. Performance, LV memory might be set to 1.5V operation. Four identical memory modules
		in one memory bank to achieve highest memory performance. All four modules are active and full capacity can be used.
		entical modules to be configured per CPU
	S26361-F3694-	E3 Mirrored Channel Mode Installation currently not available; will be relesed in January 2015
	BIOS Setup fac	tory preinstalled to this mode. Four identical memory modules are always equipped in one memory bank to use the
	Mirrored channe	el Mode. Only two modules contain active data, the remain two modules contain mirrored data
	Supported for	RDIMM / LRDIMM only.
	Inc. inc. in care	entical modules to be configured per CPU



Memory Configuration PRIMERGY RX200 S8

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 alloved.

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

Mode	Configuration	UDIMM	RDIMM	RDIMM	Application
		ODIMIM	RUIWIW	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	1x4GB	1x4GB	1x32GB	with one CPU
Max. Memory per CPU	8/12 Modules / CPU	8x4GB	12x16GB	12x64GB	with one CPU
Max. Memory per System	16/24 Modules / System	64GB	384GB	1536GB	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)																	
	UDIMM 1866MHz				RD	MM 1	18661	ЛНz			LRDI	MM 4	R 18	66MH	z			
Voltage setting (BIOS)	1.5\	/ [defa	ault]	1.35V		1.5	1.5V [default] 1.35V			1	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 1866MHz DDR3 Bus	1866	1600	-	1333	1333	-	1866	1866	1066	1333	1333	800	1866	1600	1066	1600	1600	1066
CPU with 1600MHz DDR3 Bus	1600	1600	-	1333	1333	-	1600	1600	1066	1333	1333	800	1600	1600	1066	1600	1600	1066
CPU with 1333MHz DDR3 Bus	1333	1333	-	1333	1333	-	1333	1333	1066	1333	1333	800	1333	1333	1066	1333	1333	1066

1R - Single Rank 4R - Quad Rank 2R - Dual Rank 8R - Eight Rank

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

Bank II on CPU 1/2

- A so called Bank consits 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

up to 4 memory modules connected to Channel A - E on the 1st/2nd CPU

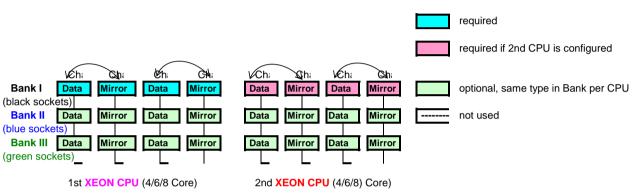
- up to 4 memory modules connected to Channel A E on the 1st/2nd CPU
- Bank III on CPU 1/2 (can not be populated by UDIMM or 4R RDIMM memory modules)

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

System configurator and order-information guide PRIMERGY RX200 S8 Status 2014-09-30 1. Independent Channel Mode required required if 2nd CPU is configured Chi Ch Ch Ch Ch Ch Ch Ch Bank I Data Data optional, same type in Bank per CPU Data Data Data Data Data Data (black sockets) Bank II Data Data Data optional, any type Data Data Data Data Data (blue sock Bank III Dat not used Data Data Data Dat Dat Dat (green sockets) 1st XEON CPU (4/6/8 Core) 2nd XEON CPU (4/6/8 Core)

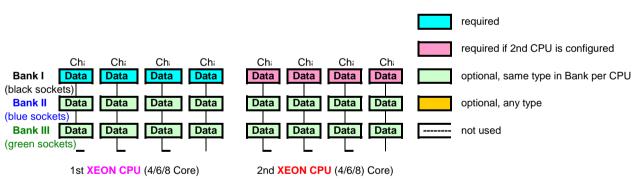
Independent Channel Mode allows all channels to be populated in any order Can run with differently rated DIMMs and use the settings of the slowest DIMM installed in the system

2. Mirrored Channel Mode



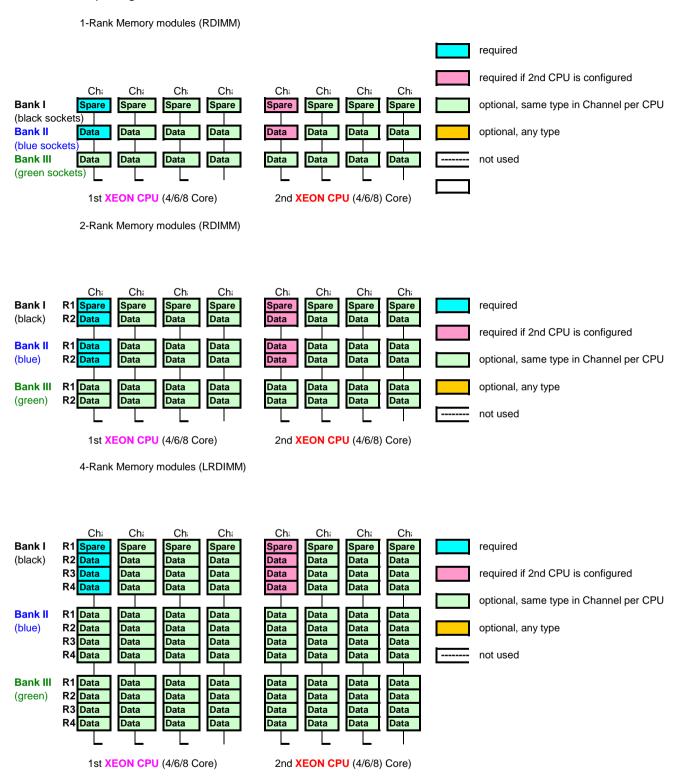
Mirrored Channel Mode requires identical modules on channel A,B, C, D (1st CPU) or channel E, F, G and H (2nd CPU) 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory If this mode is used, a multiple of 4 identical modules has to be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

3. Performance Channel Mode

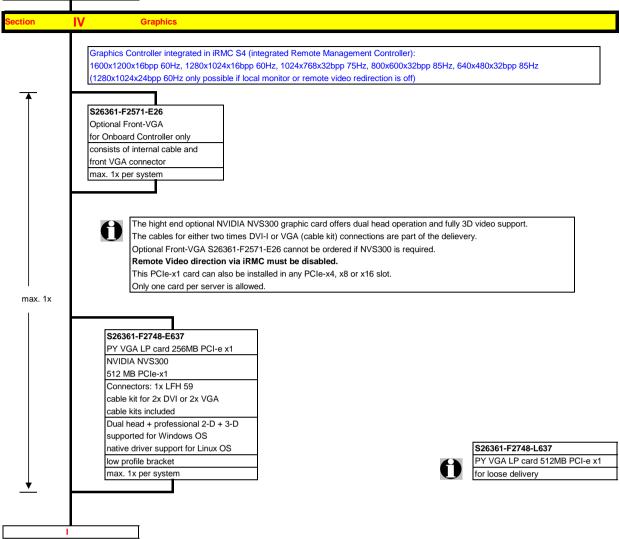


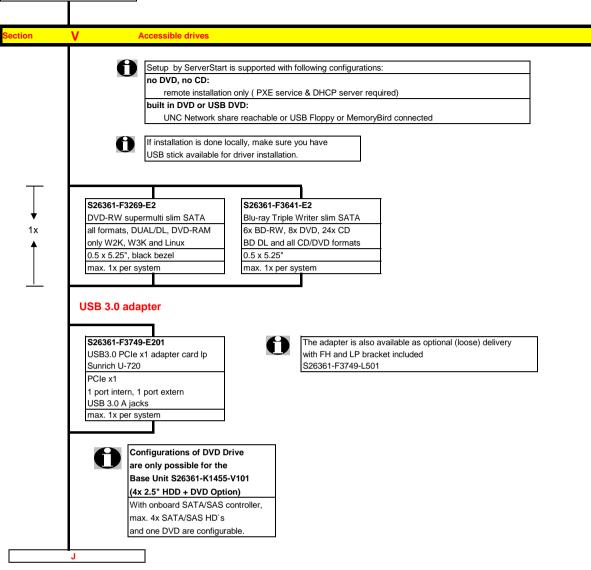
Performance Channel Mode requires identical modules on all channels of each Bank per CPU. If this mode is used, a multiple of 4 identical modules has to be ordered.

4. Rank Sparing Mode

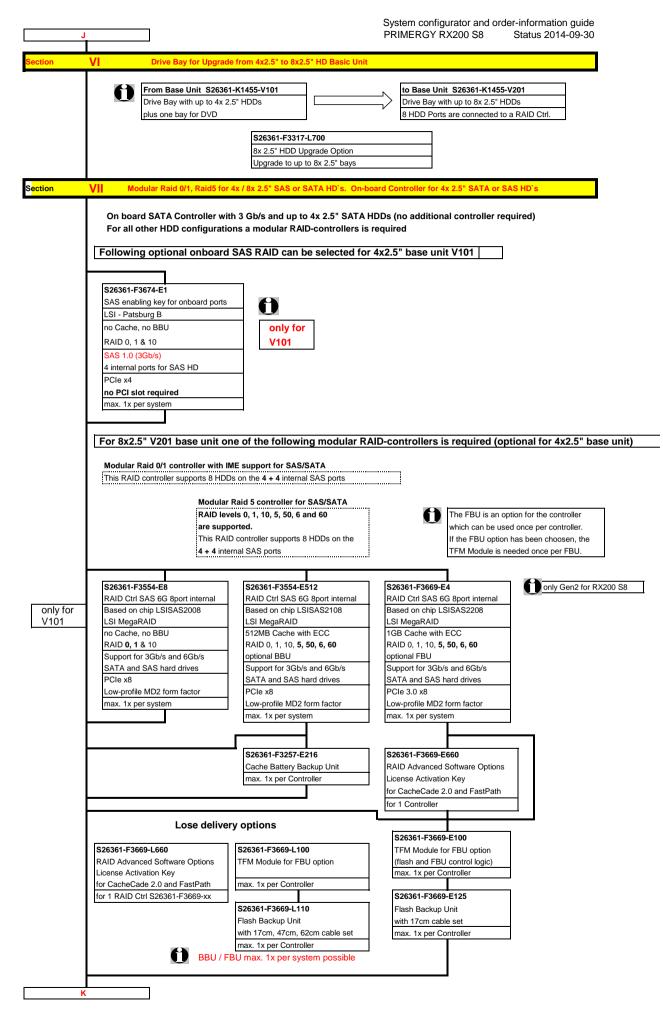


Rank Sparing Mode requires identical modules (same capacity and technology) within the same channel. The available memory for applications will vary depending on configuration. Please refer to the spreadsheet above "Effective Memory capacity with active Rank Sparing Mode". Population rule for Rank sparing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



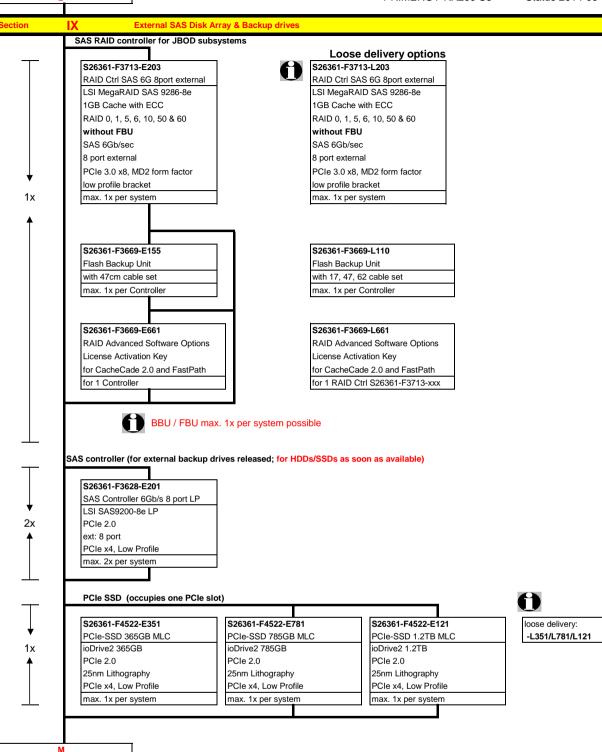


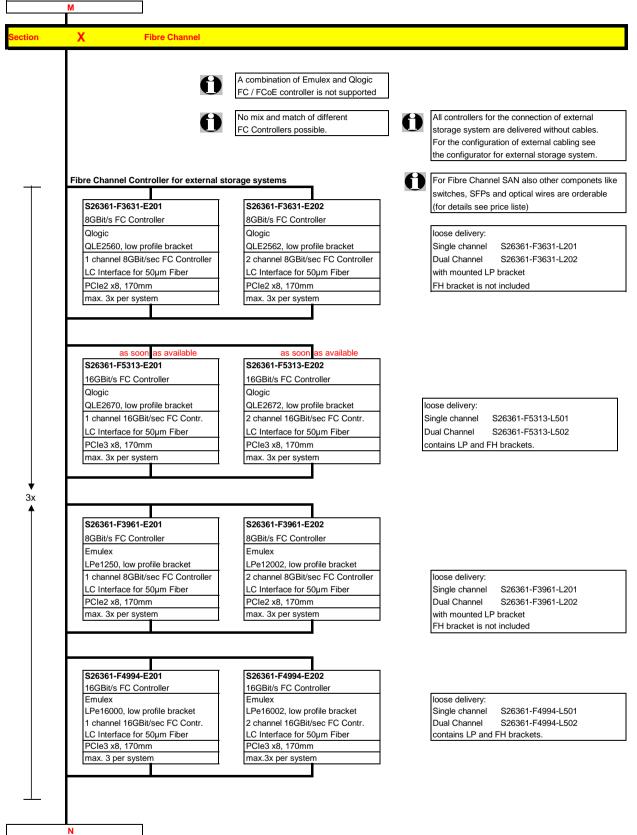
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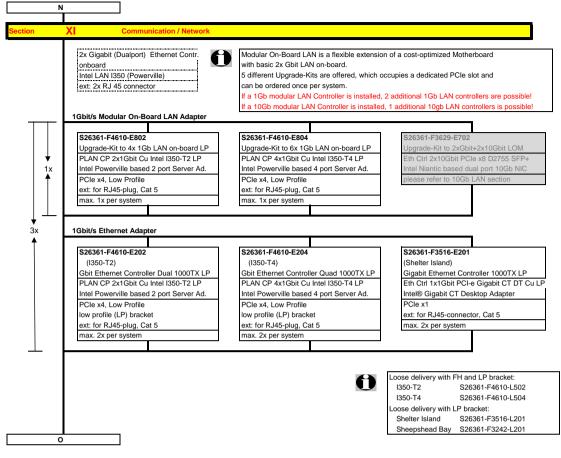


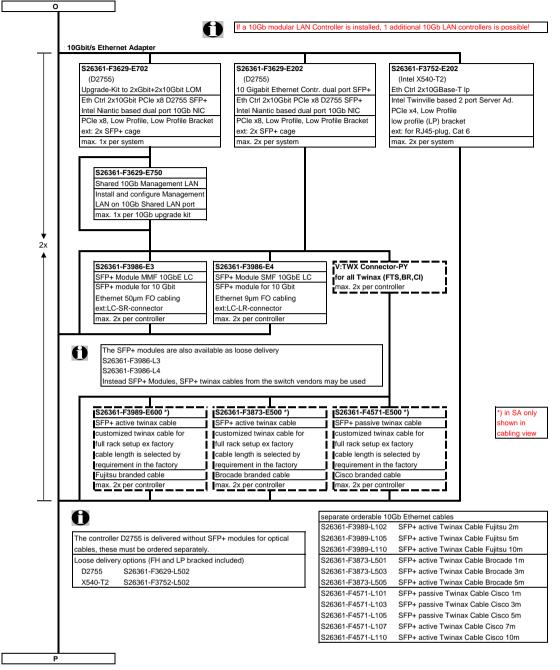
n	VIII 4x / 8x 2.5" SAS / SATA Hard disk drives		
	All combinations of SSD and SAS are possible - but	not in same logical drive	e (RAID array)
	For basic units V1xx up to 4x SATA / SAS 2.5" hard	disks plus ODD can be	configured
	SAS support for V1xx only via optional selectable Pa	sburg upgrade kit	galoal
	For basic units V2xx up to 8 SATA / SAS 2.5" hard di	sks can be configured.	
	Solid State Disk, Mainstream Endurance*		
-			
	SSD SATA 6Gb/s 2.5" with hot plug/hot replace tray		
	100GB MLC, Mainstream Performance 200GB MLC, Mainstream Performance	S26361-F5225-E100 S26361-F5225-E200	u
	400GB MLC, Mainstream Performance	S26361-F5225-E400	-
	100GB, Mainstream Performance	S26361-F5303-E100	as soon as available
	200GB, Mainstream Performance	S26361-F5303-E200	as soon as available
	400GB, Mainstream Performance	S26361-F5303-E400	as soon as available
	800GB, Mainstream Performance	S26361-F5303-E800	as soon as available
	SSD SAS 6Gb/s 2.5" with hot plug/hot replace tray		
	100GB MLC, Enterprise Performance	S26361-F4581-E100	as long as stock
	200GB MLC, Enterprise Performance	S26361-F4581-E200	as long as stock
	SSD SAS 12Gb/s 2.5" with hot plug/hot replace tray		as soon as available
	200GB, Enterprise Performance	S26361-F5297-E200	
	400GB, Enterprise Performance	S26361-F5297-E400	Interface SAS12Gb/s and SAS 6Gb/s.
	800GB, Enterprise Performance	S26361-F5297-E800	SAS 12Gb/s support is not released
	1.6TB, Enterprise Performance	S26361-F5297-E160	
	max. 4 / 8x per system		*) SSD Mainstream Endurance
	SAS Disk Drive 2.5"		
	HDD SAS 6Ch/o 2 E" with hot plug/hot replace trav		1
	HDD SAS 6Gb/s 2.5" with hot plug/hot replace tray 300GB 10000rpm <4.5ms, 32MB Cache	S26361-F5247-E130	
	HDD SAS 6Gb/s 2.5" with hot plug/hot replace tray 300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache	S26361-F5247-E130 S26361-F5247-E145	
	300GB 10000rpm,<4,5ms, 32MB Cache		
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache	S26361-F5247-E145	
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160	as soon as available
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190	as soon as available
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112	as soon as available
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E514 S26361-F4482-E530 S26361-Fxxxx-E5xx	as soon as available as soon as available
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E514	
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-F4482-E530 S26361-Fxxxx-E5xx	as soon as available
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache 600GB 15krpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E514 S26361-F4482-E530 S26361-Fxxxx-E5xx	as soon as available
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache 600GB 15krpm,<4,5ms, 32MB Cache 500GB 7.2krpm,<9,5ms, 64MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-Fxxxx-E5xx S26361-Fxxxx-E5xx S26361-F5228-E500	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache 600GB 15krpm,<4,5ms, 32MB Cache 500GB 7.2krpm,<9,5ms, 64MB Cache 1TB 7.2krpm,<9,5ms, 64MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-Fxxxx-E5xx S26361-Fxxxx-E5xx S26361-F5228-E500	as soon as available as soon as available
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache 600GB 15krpm,<4,5ms, 32MB Cache 500GB 7.2krpm,<9,5ms, 64MB Cache 1TB 7.2krpm,<9,5ms, 64MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-Fxxxx-E5xx S26361-Fxxxx-E5xx S26361-F5228-E500	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache 600GB 7.2krpm,<9,5ms, 64MB Cache 1TB 7.2krpm,<9,5ms, 64MB Cache max. 4 / 8x per system SATA Disk Drive 2.5"	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-Fxxxx-E5xx S26361-Fxxxx-E5xx S26361-F5228-E500	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed.
	300GB 10000rpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-F4482-E530 S26361-F5228-E500 S26361-F5228-E100	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed. 2.5" SATA 7.2Krpm with CPU S26361-F3803-E330
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache 600GB 7.2krpm,<9,5ms, 64MB Cache 1TB 7.2krpm,<9,5ms, 64MB Cache max. 4 / 8x per system SATA Disk Drive 2.5"	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-Fxxxx-E5xx S26361-Fxxxx-E5xx S26361-F5228-E500	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed.
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache 600GB 15krpm,<4,5ms, 32MB Cache 500GB 7.2krpm,<9,5ms, 64MB Cache 1TB 7.2krpm,<9,5ms, 64MB Cache max. 4 / 8x per system SATA Disk Drive 2.5" HDD SATA 6Gb/s 2.5" with hot plug/hot replace tray 250GB 7.2krpm,<9,5ms, 64MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-FXXXX-E5XX S26361-F5228-E500 S26361-F5228-E500 S26361-F5228-E100 S26361-F5228-E100	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed. 2.5" SATA 7.2Krpm with CPU S26361-F3803-E330
	300GB 10000rpm,<4,5ms, 32MB Cache 450GB 10000rpm,<4,5ms, 32MB Cache 600GB 10000rpm,<4,5ms, 32MB Cache 900GB 10000rpm,<4,5ms, 32MB Cache 1,2TB 10000rpm,<4,5ms, 64MB Cache 146GB 15krpm,<4,5ms, 32MB Cache 300GB 15krpm,<4,5ms, 32MB Cache 450GB 15krpm,<4,5ms, 32MB Cache 600GB 15krpm,<4,5ms, 32MB Cache 500GB 7.2krpm,<9,5ms, 64MB Cache 1TB 7.2krpm,<9,5ms, 64MB Cache max. 4 / 8x per system SATA Disk Drive 2.5" HDD SATA 6Gb/s 2.5" with hot plug/hot replace tray 250GB 7.2krpm,<9,5ms, 64MB Cache 500GB 7.2krpm,<9,5ms, 64MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-F4482-E530 S26361-F5228-E500 S26361-F5228-E500 S26361-F5228-E100 S26361-F3708-E250 S26361-F3708-E250	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed. 2.5" SATA 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed.
_	300GB 10000rpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-F4482-E530 S26361-F5228-E500 S26361-F5228-E500 S26361-F5228-E100 S26361-F3708-E250 S26361-F3708-E250	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed. 2.5" SATA 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed. 526361-F3837-L64
-	300GB 10000rpm,<4,5ms, 32MB Cache	S26361-F5247-E145 S26361-F5247-E160 S26361-F5247-E190 S26361-F5247-E112 S26361-F4482-E514 S26361-F4482-E530 S26361-F4482-E530 S26361-F5228-E500 S26361-F5228-E500 S26361-F5228-E100 S26361-F3708-E250 S26361-F3708-E250	as soon as available as soon as available 2.5" SAS 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed. 2.5" SATA 7.2Krpm with CPU S26361-F3803-E330 is not released. The configuration is not allowed.

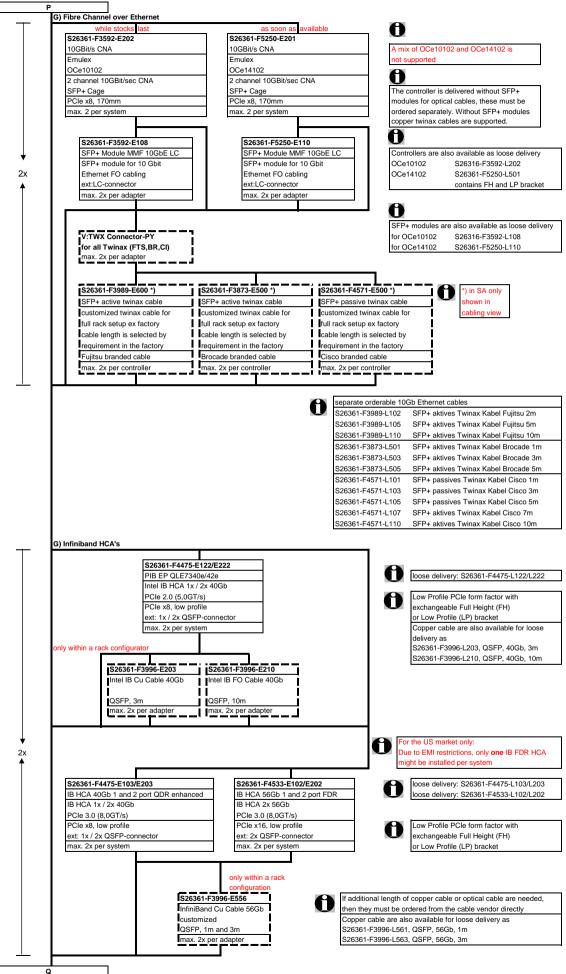
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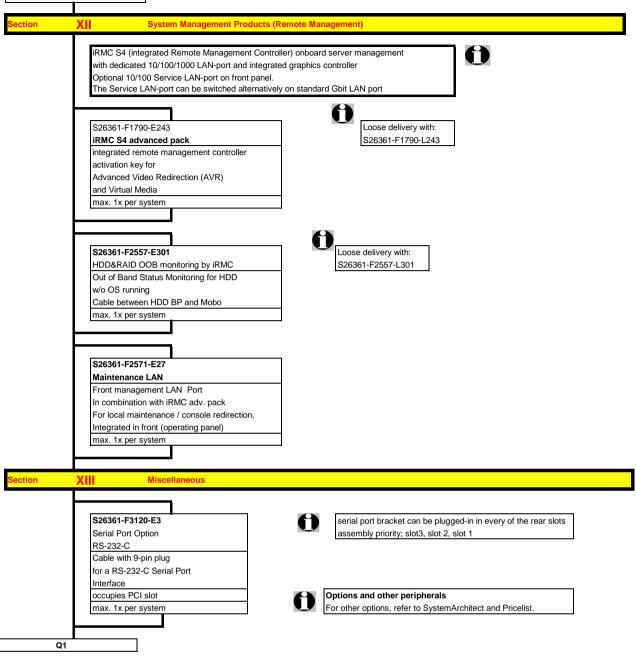


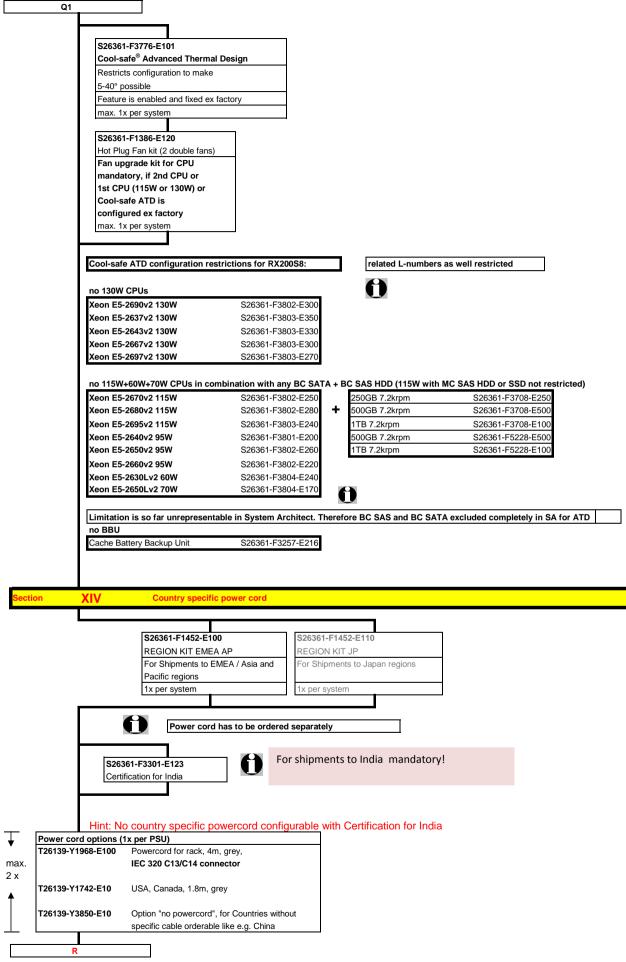












R		PRIMERGY RX200 S8	Status 2014
ion	XVI CCC exclusions		
	S26361-F3301-E120		
	CCC Certification for China		
	Limits configuration in accordance		
	with CCC exclusions		
	max. 1x per system		
	The following order components out of the specific sections		
	are NOT allowed together with CCC Certification for China:	0	
	Front-VGA Interface	S26361-F2571-E26	
	PCIe-SSD 365GB MLC	S26361-F4522-E351	
	PCIe-SSD 785GB MLC	S26361-F4522-E781	
	PCIe-SSD 1.2TB MLC	S26361-F4522-E121	
	RAID Ctrl SAS 6G 8Port ex 1GB LP LSI V3	S26361-F3713-E203	
	SFP+ Module Multi Mode Fiber 10GbE LC	S26361-F3986-E3	
	SFP+ Module Single Mode Fiber 10GbE LC	S26361-F3986-E4	
	SFP+ Modul Multi Mode Fibre 10Gb FCoE	S26361-F3592-E108	
	IB HCA 40Gb 1 port QDR	S26361-F4475-E102	
	PIB EP QLE7342e	S26361-F4475-E222	
	Shared 10Gb Management LAN Kit	S26361-F3629-E750	
	IB HCA 56Gb 1 Kanal FDR	S26361-F4533-E102	
	IB HCA 56Gb 2 Kanal FDR	S26361-F4533-E202	
	Modulare SV 800W titanium hp	S26113-F615-E10	
	Cable powercord rack, 4m, grey	T26139-Y1968-E100	
	Leitung Netzanschluss (USA), 1,8m, grau	T26139-Y1742-E10	
	Serial Port Option	S26361-F3120-E3	
	TPM Modul	S26361-F3552-E1	

End PRIMERGY RX200 S8

Change Report

Date	Order number	Changes
Date	order number	onanges
2014-08-07	S26361-F3694-E3	Can't be offered. Release planed January 2015
	S26361-F5313-xxx	16Gb Qlogic added
2014-07-25		link in work sheet instructions updated
	S26113-F615-E10/L10	as soon as available removed
	S26361-F3301-E123	Added certification for India
	S26361-F3740-xxx	EOL
	S26361-F3739-xxx	EOL
2014-06-16	S26361-F3242-E201 / -L201	EOL
2014-06-05	S26361-F5250-L201	new CNA OCe14102 added
2014-03-17	S26361-F3739-E201	phase out
	S26361-F3740-E201	phase out
2014-03-17	S26361-F3610-E202	EOL
2014-02-26	S26361-F4475-E102/L102	"IB HCA 40Gb 1 port QDR" Removed.
2014-02-25		comment "SSD/SAS requires RAID Controller" removed; typo!
2014-01-30	S26361-F5303-*	New SATA SSDs added.
-	S26361-F5297-*	New SAS 12G SSDs added.
	S26361-F3554-E8	restricted for ATD
	S26361-F3837-L64	SATA DOM added
2013-11-27	S26361-F3301-E120	Restrictions CCC Certification for China updated
2013-11-26		restrictions for ATD adjusted; 95W as well restricted in combination with BC
2013-10-28		SSD support with On-Board controller.
2013-10-28		restriction for 2.5" BC-SAS HDD with "*F3554-E8" removed.
2013-10-18	optional USB Comps	no longer available
2013-10-16		restrictions for Cool-safe ATD changed
2013-10-14		restrictions for Cool-safe ATD changed
2013-09-30		restrictions for Cool-safe ATD added
2013-09-30		CCC restrictions added
2013-09-30		Restriction for HDDs 2.5" 7.2Krpm HDD with CPU E5-2643v2
2013-09-19		Memory hint on CPU page extended
2013-09-13	S26361-F5247-E112	HDD 2.5" 1.2TB SAS 10K added.
2013-09-12		First Release
2010 00 12		