

PRIMERGY RX100 S8

System configurator and order-information guide

June 2014

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Instructions

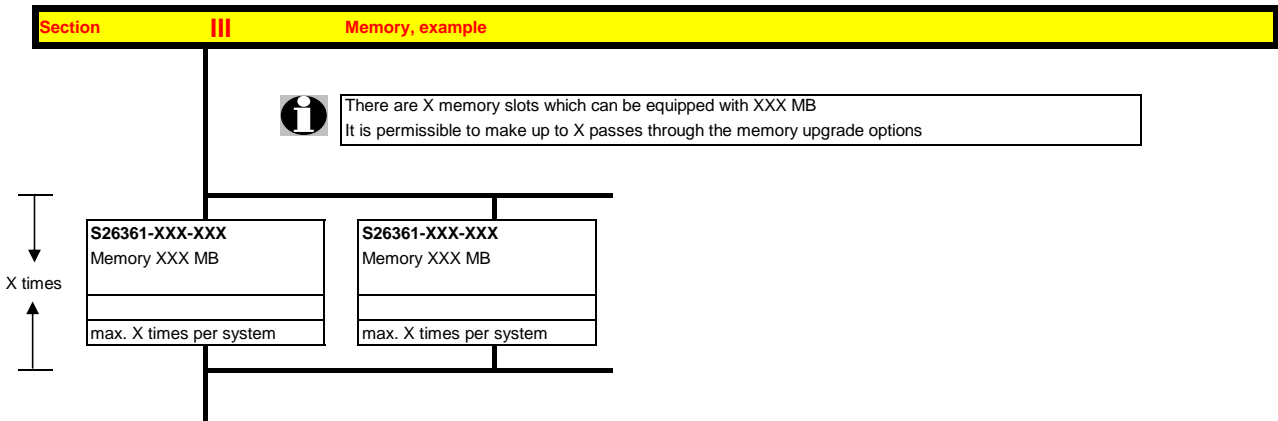
This document contains basic product and configuration information that will enable you to configure your system via PC-/System-Architect

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

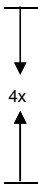
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

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

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



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



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



Further information in the internet see:

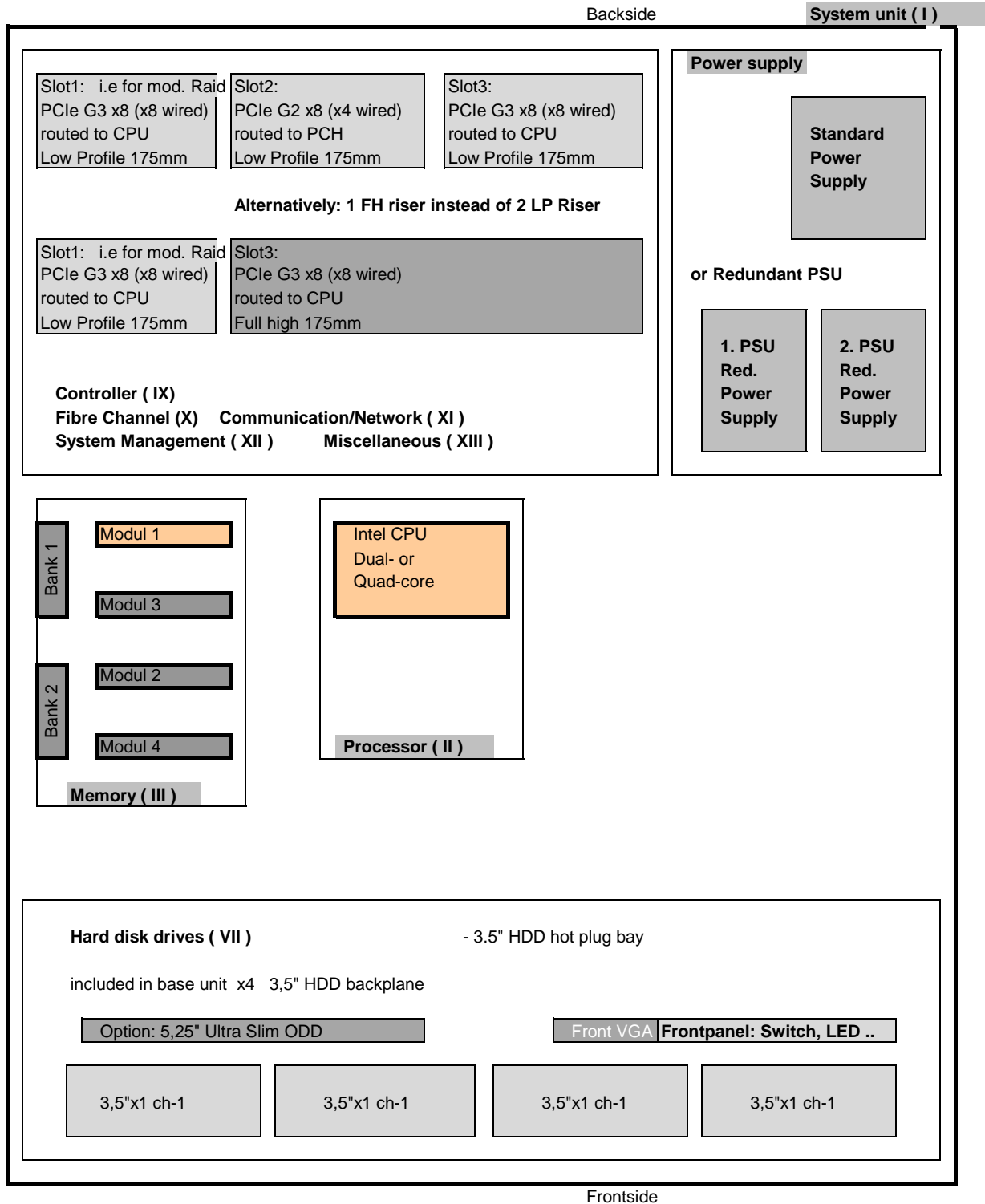
http://ts.fujitsu.com/products/standard_servers/index.html (internet)

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

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

Configuration diagram PRIMERGY RX100 S8

with 3.5" Hard disk drives



Key:

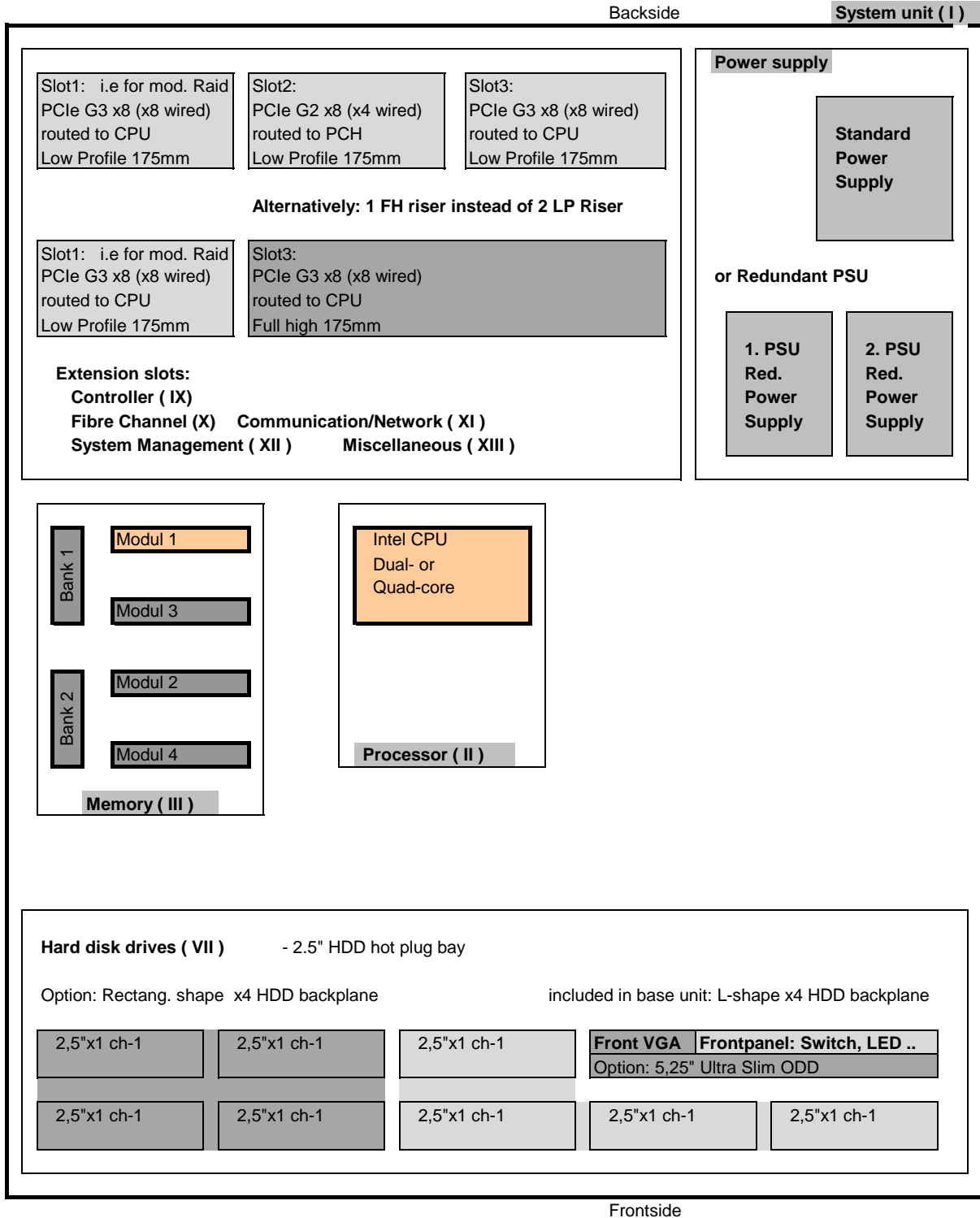
Included in basic unit

Option

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

Configuration diagram PRIMERGY RX100 S8

with 2.5" Hard disk drives

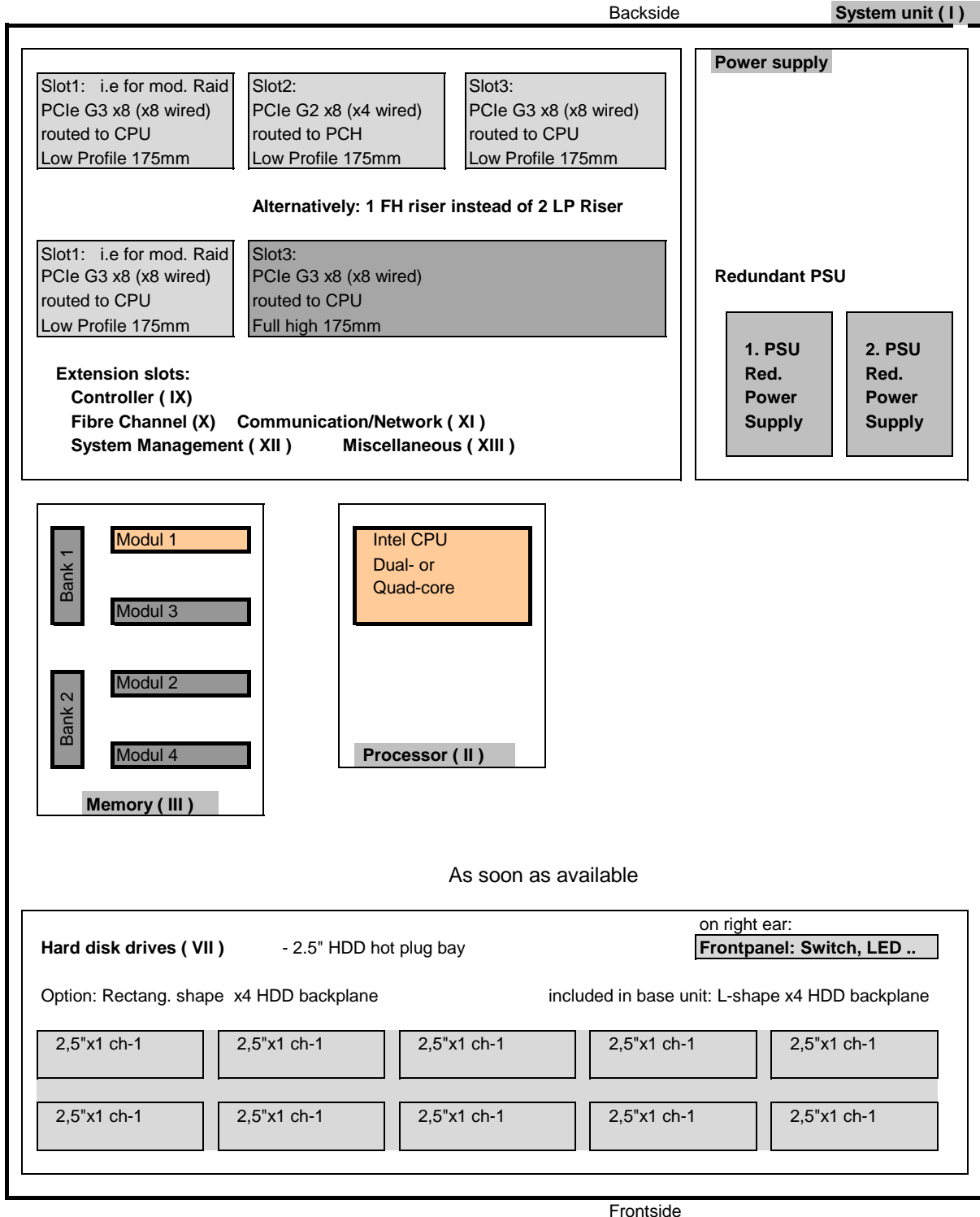


Key:

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

Configuration diagram PRIMERGY RX100 S8

with 2.5" Hard disk drives



Key:

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

Start PRIMERGY RX100 S8

SW - Configurator 32 bit

with OEM-Software
for PRIMERGY Server



VMWare restrictions
1 onboard LAN is supported
SATA RAID is not supported

without OEM-Software
for PRIMERGY Server

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

VMware-Software
- VCMS VirtualCenter Management 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.

Microsoft - Windows Server 2008 Server Licenses
- Windows Server 2008 Datacenter
- Windows Server 2008 Enterprise
- Windows Server 2008 Standard

PRIMECLUSTER *)
- Clustering
- Load Balancing

Microsoft - Windows Server Client Access Licenses
- Windows Server 2012 Device CAL
- Windows Server 2012 User CAL
- Windows Server 2012 Remote Desktop Services Device CAL
- Windows Server 2012 Remote Desktop Services 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
- SuSE Linux ES (Support): LS
- Red Hat EL (OEM): LO
- Red Hat EL (Support): LS

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



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



*) Pay attention to the PRIMECLUSTER release and ordering information in the Extranet



**) Pay attention to release and order information in PRINCE -> Operating System

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

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

for internal users: <http://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 RX100 S8

SW - Configurator EM64T

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY Server



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

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

only EM64T	Microsoft - Software: W
	- Windows Server 2008, Standard x64 Edition - Enterprise x64 Edition - Additional loose - Client-Access-Lizenzen (CALs)

only x86_64	Linux - Software *) (**)
	- SuSE Linux ES (OEM): LO - SuSE Linux ES (Support): LS - Red Hat EL (OEM): LO - Red Hat EL (Support): LS

only EM64T	Manageability Software: V(**)
	- RemoteView Software - RemoteDeploy - IRMC advanced Pack



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



*) Pay attention to the PRIMECLUSTER release and ordering information in the Extranet



***) Pay attention to release and order information in PRINCE -> Operating System

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

Section 1 | Basic unit

**System unit including:**

- * **1U Housing**
- * **1 power supply** (Standard Ps with 300W or two hot plug PSU with 450W)
- * **Fans**
 - Fans for Power Supply and Chassis
 - 4x non hot-plug fans in standard PSU base unit, 5 fans with 1 of 5 redundancy in hotplug PSU base unit
- * **Drives / Bays**
 - 4 bays 3.5" for hot-plug HDDs **or**
 - 4 or 8 bays 2.5" for hot-plug HDDs **or**
 - 10 bays 2.5" for hot-plug HDDs (as soon as available)
 - 1 bay for optional SATA ODD (not for 10x 2.5" HDD)
 - 1 bay for Front VGA (not for 10x 2,5" HDD)

Options:t.b.d.

For indication of a failed component via LED's
Simultaneously components are marked which can be replaced by the customer.
This LEDs can be displayed during service even without mains connection.

Front VGA

Systemboard with:

- Mono Processor Board with LGA1155 socket and Intel® C202 (codenamed Bromolow Cougar Point Essential) (s. section II)
- Ip Slot 1 (left): PCIe Gen3 x8 from CPU (mech x8), Ip Slot 2 (middle): PCIe Gen2 x4 from PCH (mech x8) (lp = low profile)
- Ip Slot 3 (right = near to PSU) : PCIe Gen3 x8 from CPU (mech x8)
- Slot 3 and Slot 2's riser can be replaced by another riser to support 1 full height PCIe Gen3 x8 from CPU (mech x8)
- 4 memory slots (s. section III)
- SATA RAID on-board or SAS RAID controller in slot 1 (s. section IX) slot 1
- 2x 1 Gbit Ethernet LAN Intel 82579 (Lewisville) + RTL8211E on-board with ToE and iSCSI boot integrated in System BIOS as selectable option
- **iRMC S4** (integrated Remote Management Controller) on-board server management controller with dedicated 10/100/1000 Mbit Service LAN-port and integrated graphics controller
The Service LAN-port can be switched alternatively on standard Gbit LAN port 1 (shared mode)
- Graphics Controller integrated in iRMC S4 (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)

Interfaces:

- 1x RS-232-C (serial, 9 pins) (usable for BMC or OS or shared)
- 1x VGA (15 pins), 1x Front VGA optional
- 4x USB 2.0 (UHCI) with 480MBit/s (2x external rear, 2x internal)
- 4x USB 3.0 (UHCI) with 5 GBit/s (2x external rear, 2x external frontside)
- 2x LAN RJ45 (1x shared), 1x Service-LAN RJ45

Cables:

1. SATA cable for ODD
2. SATA/SAS cables for up to 4 HDDs

Software:

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



Note: Rack Mounting kit and Power Cord for PRIMERGY RX100 S8 is not included in the basic unit and has to be configured separately

A

A	
Basic unit (for 19" racks) with SATA RAID (can be upgraded by Modular SAS RAID) without CPU and Memory	
- One CPU (first CPU) has to be configured additionally for a base configuration	
- One memory kit has to be configured for a base configuration	
SAS/SATA LFF (3.5") Base Unit (max 4 HDD) - 2-or 4 port SAS backplane hot plug LFF (3.5") SAS/SATA HDDs incl. cables for connection to the onboard SATA or plug in SAS controller	
standard PSU	S26361-K1420-V101
hot plug PSU / red. Fan	S26361-K1420-V201
SAS/SATA SFF (2.5") Base Unit (max 8 HDD) - 4 port L-shape + opt. 4 port rect. shape SAS backplane hot plug SFF (2.5") SAS/SATA HDDs incl. cables for connection to the onboard SATA or plug in SAS controller	
standard PSU	S26361-K1420-V301
hot plug PSU / red. fan	S26361-K1420-V401
SAS/SATA SFF (2.5") Base Unit (max 10 HDD) - 10 port SAS backplane hot plug SFF (2.5") SAS/SATA HDDs incl. cables for connection to the onboard SATA or plug in SAS controller	
hot plug PSU / red. fan	S26361-K1420-V501



select additional x4 rectang. shape SFF (2.5") SAS Backplane, see folder Acc. drives, HD's

2

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

S26113-F575-E12
2nd power supply module (PSU)
450W / 94% efficiency (platinum)
for redundancy of BU V201/V401/501
occupies one bay for hot plug power supply
max. 1x per system

For Base Units with hot plug PSU only (V201, V401)	
For later conversion of basic units with standard power supply to hot plug power supply, the following kit is available:	
1.) hot plug PS upgrade kit, incl. 1 PS module + Fan + PDU + PSU Cage (no power cord included) Conversion standard into hot plug PS After upgrade, the Std. PSU can not be used anymore	S26361-F1420-L10
2.) Supplementary power supply module for redundancy or repair (no power cable included!)	S26113-F575-L12
3.) Please order appropriate power cord additionally: Powercord for rack, 4m, grey, IEC320 C13->C14 connect. Power Cord USA / Canada, 1.8m, grey	T26139-Y1968-L10 T26139-Y1742-L10

PRIMECENTER Rack

S26361-F2735-E200
Rack Mount Kit F1-CMA, SlimLine
Kit consists of
- telescopic slimline rail
- vario carrier for PrimeCenter and 3rd party Racks (depth dependency)
- Cable Management Adapter
1x per system

S26361-F2735-E201
Rack Mount Kit F1, SlimLine
- Kit consists of
- telescopic slimline rail
- vario carrier for PrimeCenter and 3rd party Racks
1x per system

S26361-F2735-E111
No Rackmount-Kit option
Only for loose deliveries
No mounting in racks possible
max. 1x per system

S26361-F2735-E81
Cable mgmt. arm for 1U Server
- for PrimeCenter racks
- for direct mounting at Rack Mounting Kit F1.
1x per system

S26361-F4530-E11
Bracket 1U in asymmetrical racks

S26361-F4530-E10
Mounting of RMK in symmetrical racks (no support brackets needed)

S26361-F1647-E302
Installation ex works for one server or subsystem.
Hereby the rack will be delivered completely pre-mounted and all wired connections are tested.
With PCR S2 12U, 24U, 38U and PRC M1 16U, 24U, 42U:
Systems and components will be delivered installed in the rack
With PCR S2 racks 46U:
Systems and components will be delivered separately
To be ordered only together with a PRIMECENTER rack
PCR S2 e.g. S26361-K826-V10x
new PCR M1 e.g. S26361-K827-Vxxx
refer PCR S2 or M1 rack configurator
max. 1x per System



"Rack-mounting ex factory"
 This service is to be ordered once per installable server/storage subsystem, in order to get the server/storage subsystem mounted into the racks.
 In case of the 46 U PCR S2 this service has to be ordered, to get the mounting kits and the cables installed.

PRIMERGY Classic 19" rack is not supported



All "L" no's for loose delivery

S26361-F2735-L10
Adapter angle PC/DC-Rack, till 50Kg
for mounting RMKs in asymmetrical racks

S26361-F2735-L200
Rack Mount Kit F1-CMA, SlimLine

S26361-F2735-L201
Rack Mount Kit F1, SlimLine

S26361-F2735-L81
Cable mgmt. arm for 1U server
can only be used for RMKs with CMA adapter

S26361-F2735-L8
cable arm 1U PCR M1 S and 3rd p.-racks for L201, has to be mounted on rack pillar

B

B

Section 2 II Processor

One of following CPU's has to be selected for an orderable basic unit

Dual-Core CPU's
 - 1x 64-bit Intel
 Celeron (2MB SLC), Pentium (3MB SLC) or Core-i3 (4MB TLC)
 occupies socket for one CPU

Celeron		
Celeron G1820 2.7GHz 2C/2T 2MB 1333MHz (54W)	S26361-F3581-E182	on special release
Pentium		
Pentium G3420 3.2GHz 2C/2T 3MB 1600MHz (54W)	S26361-F3581-E232	
Core i3		
Core i3-4330 3.5GHz 2C/4T 4MB 1600MHz (54W)	S26361-F3581-E243	

Quad-Core XEON CPU's
 - 1x 64-bit Intel Xeon UP (8MB shared TLC = Third Level Cache)
 Hyper-Threading; 1600 MHz DDR3 Bus and heat pipe
 occupies socket for one CPU

Xeon E3-1220v3 3.1GHz 4C/4T 8MB 1600MHz Turbo (80W)	S26361-F3581-E322	
Xeon E3-1230v3 3.3GHz 4C/8T 8MB 1600MHz Turbo (80W)	S26361-F3581-E323	
Xeon E3-1240v3 3.4GHz 4C/8T 8MB 1600MHz Turbo (80W)	S26361-F3581-E324	on special release
Xeon E3-1270v3 3.5GHz 4C/8T 8MB 1600MHz Turbo (80W)	S26361-F3581-E327	
Xeon E3-1280v3 3.6GHz 4C/8T 8MB 1600MHz Turbo (82W)	S26361-F3581-E328	on special release

Xeon E3-12xxL Power Optimized
 - 1x 64-bit Intel Xeon LV UP (8MB shared TLC = Third Level Cache)
 Hyper-Threading (HT); 1600 MHz DDR3 Bus and heat pipe
 occupies socket for one CPU

Xeon E3-1230LV3 1.8GHz 4C/8T 8MB 1600MHz Turbo (25W)	S26361-F3581-E313	
Xeon E3-1265LV3 2.5GHz 4C/8T 8MB 1600MHz Turbo (45W)	S26361-F3581-E316	

Section 3 III Memory

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

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

Dual channel memory configurations for maximum performance:
 For optimum performance memory has to be configured in pairs of memory modules with identical size.
 max. 32GB unbuffered DDR3 RAM for UDIMMs with 8GB modules

Note:** Memory is not included in the base unit and has to be configured separately, min 1x.

4x ↑

- One DDR3- unbuffered ECC memory module, 1.35V		
4GB (1x4GB) 2Rx8 L DDR3-1600 U ECC	S26361-F3777-E514	
8GB (1x8GB) 2Rx8 L DDR3-1600 U ECC	S26361-F3777-E515	

Choose up to 4 order codes above.

Section 4 IV Riser Card

i Three low profile riser cards are included in basic unit

S26361-F1420-E210 FH KIT this kit supports 1x full height PCIe card remove 2x low profile riser (Slot2, 3) stuff into Slot 3	S26361-F1420-L210 FH KIT this kit supports 1x full height PCIe card remove 2x low profile riser stuff into Slot 3
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Section 5 V Graphics

i Graphics Controller integrated in iRMC S4 (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)

1x ↓

Opt. Front VGA Please refer to Sys.Manag. XII	S26361-F2748-E637 PY VGA LP card 512MB PCI-e x1 NVIDIA NVS300 512 MB PCIe-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
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i Optional Front VGA only possible for onboard graphics

C

C

Section 6 VII Accessible drives

Setup PRIMERGY RX100 S8 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 MemoryBird connected

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

S26361-F3778-E1
DVD-RW supermulti ultraslim SATA
SATA
8x DVD 24x CD
9.5mm x 5.25", black bezel
max. 1x per system



- not for 10x HDD -V501

D

D

Section 7 VIII Hard disk drives

Configurations with Eco SATA can only be mixed with BC SATA HDD type
SAS and BC SATA drives with the same size can be mixed, but not used in one logical RAID volume

SAS/SATA LFF (3.5") Base Units: SAS HDDs Require SAS Controller! see section "Internal Disk Array"

There is a 6 port SATA controller in the Base Unit for connection of up to 4 SATA LFF (3.5") hard disks
 For up to 4 LFF SAS hard Drives, you must configure 1 of 3 different SAS controller



Economy SATA 6Gb/s HD 3.5" with hot plug/hot replace tray	
250GB 7.200rpm,<12,0ms, 16MB Cache, AF (512e)	S26361-F3814-E250
500GB 7.200rpm,<12,0ms, 16MB, Cache AF (512e)	S26361-F3814-E500
max. 4x per system	

i ECO SATA HDDs not supported by RAID-Contrl. S26361-F3669-E4

SAS 6Gb/s 3.5" with hot plug/hot replace tray	
300GB 15000rpm,<4,5ms, 16MB Cache,	S26361-F3819-E530
450GB 15000rpm,<4,5ms, 16MB Cache	S26361-F3819-E545
600GB 15000rpm,<4,5ms, 16MB Cache	S26361-F3819-E560
1TB, 7200rpm, <9,0ms, 32MB Cache	S26361-F3820-E100
2TB, 7200rpm, <9,0ms, 32MB Cache	S26361-F3820-E200
3TB, 7200rpm, <9,0ms, 32MB Cache	S26361-F3820-E300
4TB, 7200rpm, <9,0ms, 32MB Cache	S26361-F3820-E400
max. 4x per system	

i SAS HD requires SAS Controller

Business Critical (BC) SATA 6Gb/s HD 3.5" with hot plug/hot replace tray	
500GB 7.200rpm,<9,0ms, 64MB Cache	S26361-F3815-E500
1TB 7.200rpm,<9,0ms, 64MB Cache	S26361-F3815-E100
2TB 7.200rpm,<9,0ms, 64MB Cache	S26361-F3815-E200
3TB 7.200rpm,<9,0ms, 64MB Cache	S26361-F3815-E300
4TB 7.200rpm,<9,0ms, 64MB Cache	S26361-F3815-E400
max. 4x per system	

SSD SATA 6Gb/s, 2.5" SSD with 3.5" hot plug/hot replace tray (H-P)	
100GB, Enterprise (EP), Mainstream Endurance (ME)*	S26361-F5289-E100
200GB, Enterprise (EP), Mainstream Endurance (ME)*	S26361-F5289-E200
400GB, Enterprise (EP), Mainstream Endurance (ME)*	S26361-F5289-E400
800GB, Enterprise (EP), Mainstream Endurance (ME)*	S26361-F5289-E800
max. 4x per system	

D1

D1

SAS / SATA SFF (2.5") Base Units: SAS HDDs Require SAS Controller! see section "Internal Disk Array"



There is a 6 port SATA controller in the Base Unit for connection of up to 4 SATA SFF (2.5") hard disks
 For up to 8/10 SFF SAS hard Drives, you must configure 1 of 3 different SAS controller



- not for 10x HDD -V501

S26361-F1420-E140 8x2.5 HDD kit
 this kit supports 4x 2.5" additional HDD
 includes rectangular backplane plus
 x4 SAS cable



S26361-F1420-L140 8x2.5 HDD kit
 this kit supports 4x 2.5" additional HDD
 includes rectangular backplane plus
 x4 SAS cable

8/10x

SSD SATA 6Gb/s 2.5" with hot plug/hot replace tray (H-P)	
100GB, Enterprise (EP), Mainstream Endurance (ME)*	S26361-F3821-E100
200GB, Enterprise (EP), Mainstream Endurance (ME)*	S26361-F3821-E200
400GB, Enterprise (EP), Mainstream Endurance (ME)*	S26361-F3821-E400
800GB, Enterprise (EP), Mainstream Endurance (ME)*	S26361-F3821-E800
max. 8/10x	

*) SSD Mainstream Endurance
 10DWPD over 5y

Business Critical (BC) SATA 6Gb/s HD 2.5" with hot plug/hot replace tray	
250GB 7.200rpm, <9,5ms, 64MB Cache	S26361-F3816-E250
500GB 7.200rpm, <9,5ms, 64MB Cache	S26361-F3816-E500
1TB 7.200rpm, <9,5ms, 64MB Cache	S26361-F3816-E100
max. 8/10x	

Business Critical (BC) SAS 6Gb/s HD 2.5" with hot plug/hot replace tray	
500GB 7.200rpm, <9,5ms, 64MB Cache	S26361-F3817-E500
1TB 7.200rpm, <9,5ms, 64MB Cache	S26361-F3817-E100
max. 8/10x	

SAS 6Gb/s 2.5" with hot plug/hot replace tray	
300GB 10000rpm, <4,5ms, 32MB Cache	S26361-F3818-E130
450GB 10000rpm, <4,5ms, 32MB Cache	S26361-F3818-E145
600GB 10000rpm, <4,5ms, 32MB Cache	S26361-F3818-E160
900GB 10000rpm, <4,5ms, 32MB Cache	S26361-F3818-E190
1.2TB 10000rpm, <4,6ms, 64MB Cache	S26361-F3818-E112
146GB 15krpm, <4,5ms, 32MB Cache	S26361-F3818-E514
300GB 15krpm, <4,5ms, 32MB Cache	S26361-F3818-E530
max. 8/10x	



configuration of
 SAS-HDDs requires
 SAS RAID controller

E

Section 8 IX SAS / RAID-Controller SAS-Controller Low Profile

Slot suitable for Low Profile PCIe

SAS controller (for external backup drives released; for HDDs/SSDs as soon as available)

2 x

S26361-F3628-E201
SAS 9200-8e
LSI SAS9200-8e lp
SAS 6Gb/sec
ext: 8 port
PCIe 2.0 x4,
low profile bracket
max. 2x per system

i max 2x per system 05/2014

Sections 9 X Disk Array

SATA Configuration

i SATA Base Units contains a 6-port (5 in use) on-board SATA controller supporting RAID Levels 0, 1, 10
SATA RAID is not supported by VMWare

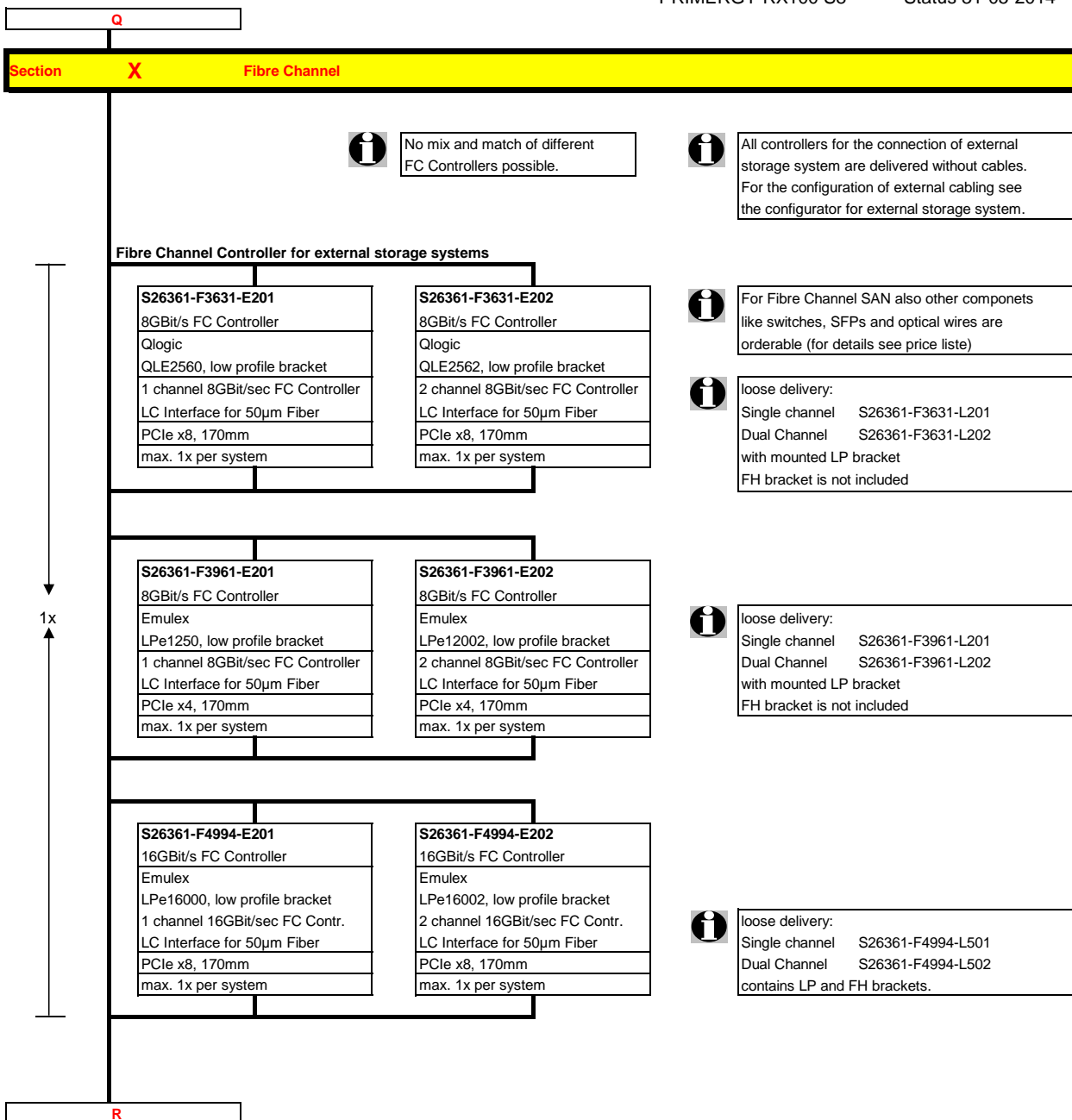
SAS Configuration

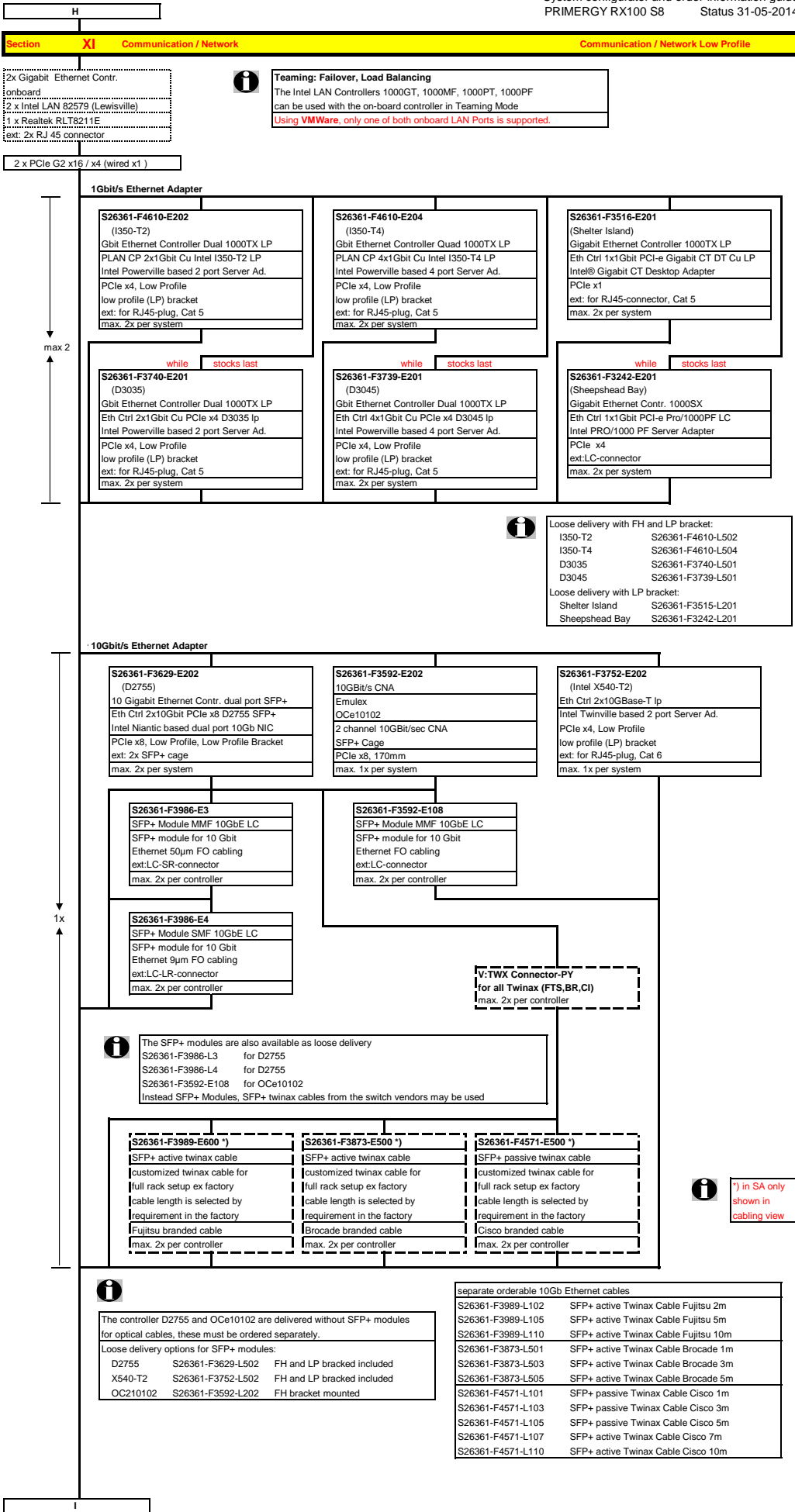
i you can choose between three different SAS controllers for the Base Unit:
 - LSI 2008 based Modular RAID 0,1 (IME) for SAS HDDs only
 - LSI 2108 and LSI 2208 based Modular RAID 0, 1, 10, 5, 50, 6, 60
if you want to use SAS harddisks one Controller is required
S26361-F3669-E4 does not support 3.5" ECO SATA HDD (S26361-F3814-E250/E500)

Controller for LFF (3.5") or SFF (2.5") HDD - mandatory for SAS HDD * -F3554-E8- not for 10x HDD -V501

1 x

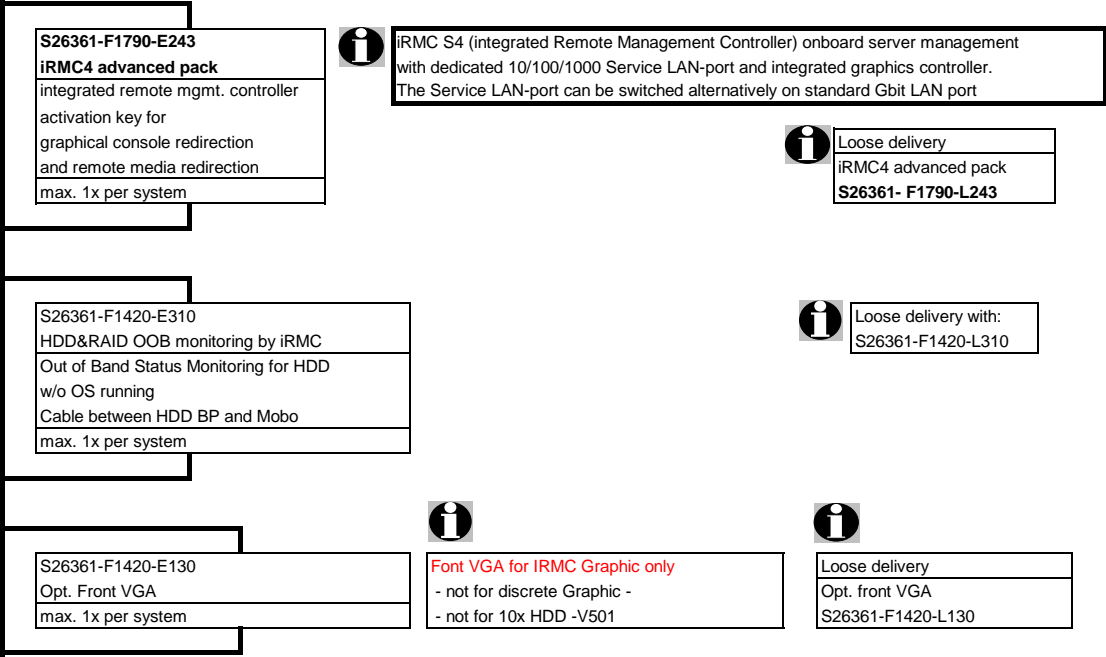
<p>S26361-F3554-E8 RAID Ctrl SAS 6G 8port internal Based on chip LSI SAS2008 LSI MegaRAID no Cache, no BBU RAID 0, 1 & 1E Support for 3Gb/s and 6Gb/s SATA and SAS hard drives PCIe x8 Low-profile MD2 form factor max. 1x per system</p> <p>i - not for 10x HDD -V501</p>	<p>S26361-F3554-E512 RAID Ctrl SAS 6G 8port internal Based on chip LSI SAS2108 LSI MegaRAID 512MB Cache with ECC RAID 0, 1, 10, 5, 50, 6, 60 optional BBU Support for 3Gb/s and 6Gb/s SATA and SAS hard drives PCIe x8 Low-profile MD2 form factor max. 1 per system</p>	<p>S26361-F3669-E4 RAID Ctrl SAS 6G 1GB (D3116C) Based on chip LSI SAS2208 LSI MegaRAID 1GB Cache with ECC RAID 0, 1, 10, 5, 50, 6, 60 optional FBU Support for 3Gb/s and 6Gb/s SATA and SAS hard drives PCIe 3.0 x8 Low-profile MD2 form factor max. 1x per system</p>	<p>i Upgrade RAID controllers RAID Controller Loose delivery F3554-L8/L512, F3669-L4)</p>
<p>S26361-F3257-E270 Cache Battery Backup Unit max. 1x per controller / system</p>	<p>S26361-F3669-E660 RAID Advanced Software Options License Activation Key for CacheCade Pro 2.0 & FastPath for 1 Controller</p>	<p>S26361-F3669-L660 RAID Advanced Software Options License Activation Key for CacheCade Pro 2.0 & FastPath</p>	<p>i Upgrade BBU / FBU Cache Battery Backup Unit S26361-F3257-L210</p>
<p>Note: i Only one BBU / FBU per system</p>	<p>S26361-F3669-E100 TFM Module for FBU option (flash and FBU control logic) max. 1x per Controller</p>	<p>S26361-F3669-L100 TFM Module for FBU option (flash and FBU control logic)</p>	<p>S26361-F3669-L110 Flash Backup Unit with 25, 55, 70cm cable set</p>
	<p>S26361-F3669-E170 Flash Backup Unit with 70cm cable set max. 1x per controller / system</p>		<p>S26361-F3669-L100 Flash Backup Unit with 25, 55, 70cm cable set</p>



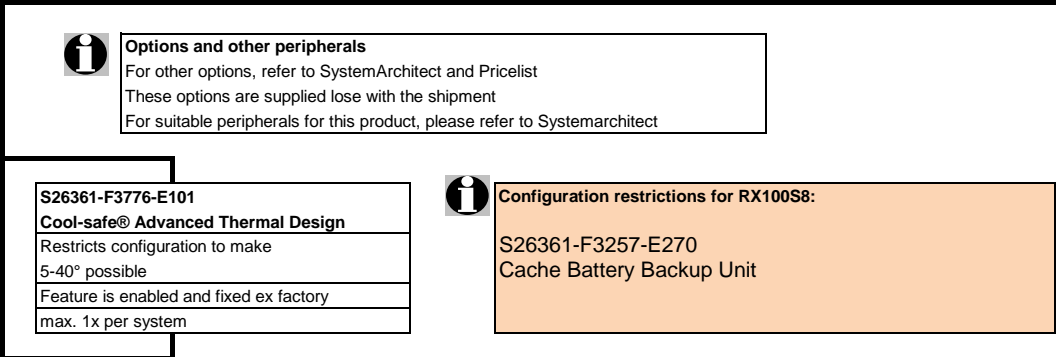


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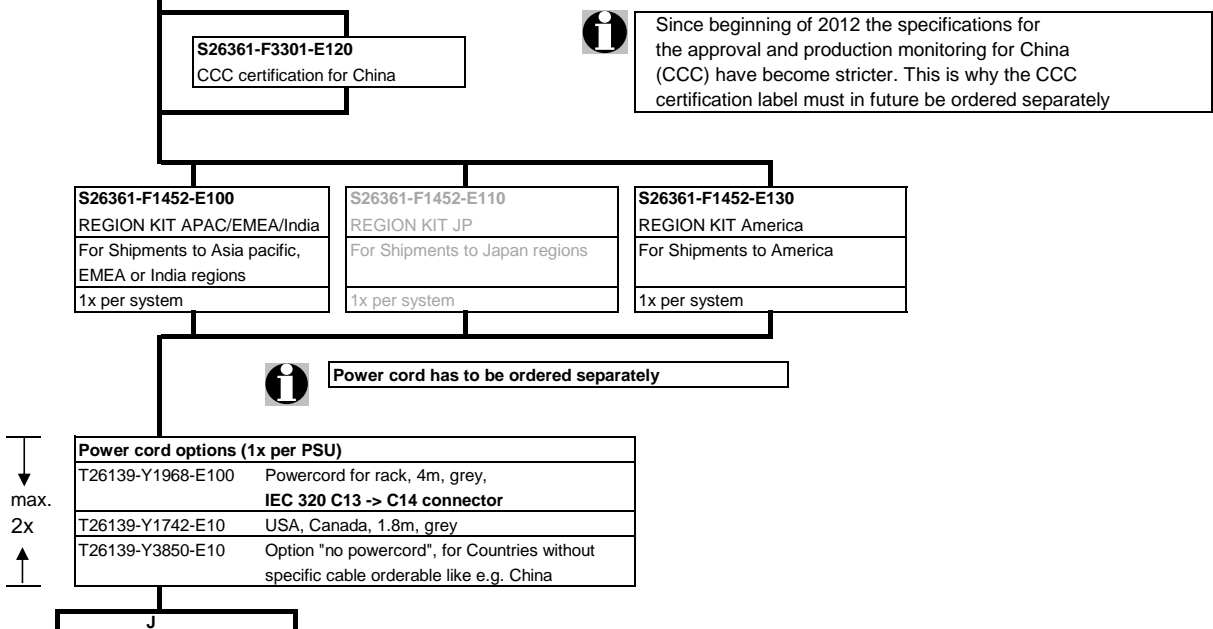
Section # XII System Management Products (RemoteView)



Section # XIII Miscellaneous



Section # XIV Country specific power cord / kits



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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:**



Eth Ctrl 2x1Gbit PCIe x4 D2735-2 Cu Ip	S26361-F3610-E202
SFP+ Modul Multi Mode Fibre 10Gb FCoE	S26361-F3592-E108
Opt. Front VGA	S26361-F1420-E130
Cable powercord rack, 4m, grey	T26139-Y1968-E100
Leitung Netzanschluss (USA), 1,8m, grau	T26139-Y1742-E10
TPM Modul	S26361-F3552-E1

End PRIMERGY RX100 S8

XV

Microsoft Windows Server 2012 (OEM)

Windows Server 2012 Datacenter, Standard, Foundation, and Windows Storage Server Standard products are multilingual and include the following languages: English (default), German, French, Italian, Japanese, and Spanish. Arab, Bok-mal, Brazilian Portuguese, Bulgarian, Croatian, Czech, Danish, Dutch, Estonian, Finnish, Greek, Hebrew, Hungarian, Korean, Latvian, Lithuanian, Polish, Portuguese, Romanian, Russian, Serbian Latin, Slovak, Slovenian, Swedish, Thai, Turkish, and Ukrainian language packs are available from Fujitsu on an optional, separate Fujitsu branded Windows Server 2012 Language Pack Supplement DVD for Windows Server 2012 OEM and ROK. This Supplement DVD lets end users add their choice of additional languages to their installation.

Windows Server 2012 Essentials: This product is multilingual and includes the following languages: English, German, Japanese, French, Spanish, Italian, Dutch, Polish, Portuguese.
 The Windows Server 2012 Language Pack Supplement DVD does not work with this product.

Windows Server 2012 Foundation limits by design: Supports maximum 15 users or devices, maximum 1CPU and 32GB RAM

Windows Server 2012 Essentials limits by design: Supports max. 25 users and 50 devices, max. 2 CPU, 64GB RAM

Windows Server 2012 Essentials - components excluded from this release: FC (Fibre Channel), FCoE (Fibre Channel over Ethernet), and IB (Infiniband) controllers are not released for this product.

Windows Server 2012 Language Pack Supplement DVD - Works with all editions except Essentials		
Available from Fujitsu at handling costs	With	Without
Windows Server 2012 Language Pack Supplement DVD	S26361-F2567-E400	S26361-F2567-L400

Required per server system

Windows Server 2012	
Sold from Fujitsu with a new PRIMERGY server. Select one	
S26361-F2567-E410	Windows Server 2012 Datacenter (2CPU) OEM, Multilingual, Requires Windows Server CAL 2012, not included
S26361-F2567-E420	Windows Server 2012 Standard (2CPU/2VM) OEM, Multilingual, Requires Windows Server CAL 2012, not included
S26361-F2567-E430	Windows Server 2012 Essentials (2CPU) OEM, Languages: EN, DE, ES, FR, IT, JP, NL, PL, PT.
S26361-F2567-E440	Windows Server 2012 Foundation (1CPU) OEM, Multilingual
S26361-F2567-E450	Windows Storage Server 2012 Standard (2CPU/2VM) OEM, Multilingual

Required in case of more than 2 VM

Windows Server 2012 Additional Licenses	
S26361-F2567-E421	Windows Server 2012 Standard Additional License (2CPU/2VM) (No Media/Key) OEM
S26361-F2567-E451	Windows Storage Server 2012 Standard Additional License (2CPU/2VM) (No Media/Key) OEM

Required for Windows Server 2012 Datacenter and Standard.
 Not required for Windows Server 2012 Foundation, Essentials, Windows Storage Server 2012 Standard

Windows Server 2012 Client Access Licenses		
Sold from Fujitsu with or without a PRIMERGY server. Select any quantity.		
	With	Without
50-Device CAL for Windows Server 2012	S26361-F2567-E460	S26361-F2567-L460
50-User CAL for Windows Server 2012	S26361-F2567-E461	S26361-F2567-L461
10-Device CAL for Windows Server 2012	S26361-F2567-E462	S26361-F2567-L462
10-User CAL for Windows Server 2012	S26361-F2567-E463	S26361-F2567-L463
5-Device CAL for Windows Server 2012	S26361-F2567-E464	S26361-F2567-L464
5-User CAL for Windows Server 2012	S26361-F2567-E465	S26361-F2567-L465
1-Device CAL for Windows Server 2012	S26361-F2567-E466	S26361-F2567-L466
1-User CAL for Windows Server 2012	S26361-F2567-E467	S26361-F2567-L467

Required for Windows Server 2012 Datacenter, Standard, and Foundation if Remote Desktop Services shall be used

Windows Server 2012 Remote Desktop Services Client Access Licenses		
Sold from Fujitsu with or without a PRIMERGY server. Select any quantity.		
	With	Without
5-Device RDS CAL for Windows Server 2012	S26361-F2567-E470	S26361-F2567-L470
5-User RDS CAL for Windows Server 2012	S26361-F2567-E471	S26361-F2567-L471
1-Device RDS CAL for Windows Server 2012	S26361-F2567-E472	S26361-F2567-L472
1-User RDS CAL for Windows Server 2012	S26361-F2567-E473	S26361-F2567-L473

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Microsoft Windows Server 2008 R2 - Downgrade Media Kit for Windows Server 2012 (OEM) End Users



Downgrade / Downediton Rights per edition of Windows Server 2012:
Windows Server 2012 Datacenter includes downgrade and down-edition rights to Windows Server 2008 R2 Datacenter, Enterprise, Standard.
Windows Server 2012 Standard includes downgrade rights to Windows Server 2008 R2 Enterprise, Standard.
 The ability to run downgrade bits does not change the licensing or support terms in which you can use the product; the purchased product (Windows Server 2012) rights apply. This means that the license will continue to cover two physical processors and the virtualization rights do not change, i.e., the license entitles up to two virtual machines if Windows Server 2012 Standard was purchased.

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DG/DE Media Kits from Fujitsu		
Sold from Fujitsu with or without a PRIMERGY server per end-user request. Max. 1 per line.	With	Without
DG/DE Kit Windows Server 2008 R2 SP1 Datacenter	S26361-F2567-E480	S26361-F2567-L480
DG/DE Kit Windows Server 2008 R2 SP1 Enterprise	S26361-F2567-E481	S26361-F2567-L481
DG/DE Kit Windows Server 2008 R2 SP1 Standard	S26361-F2567-E482	S26361-F2567-L482

Microsoft Windows Server 2008 - Downgrade Media Kit for Windows Server 2012 (OEM) End Users

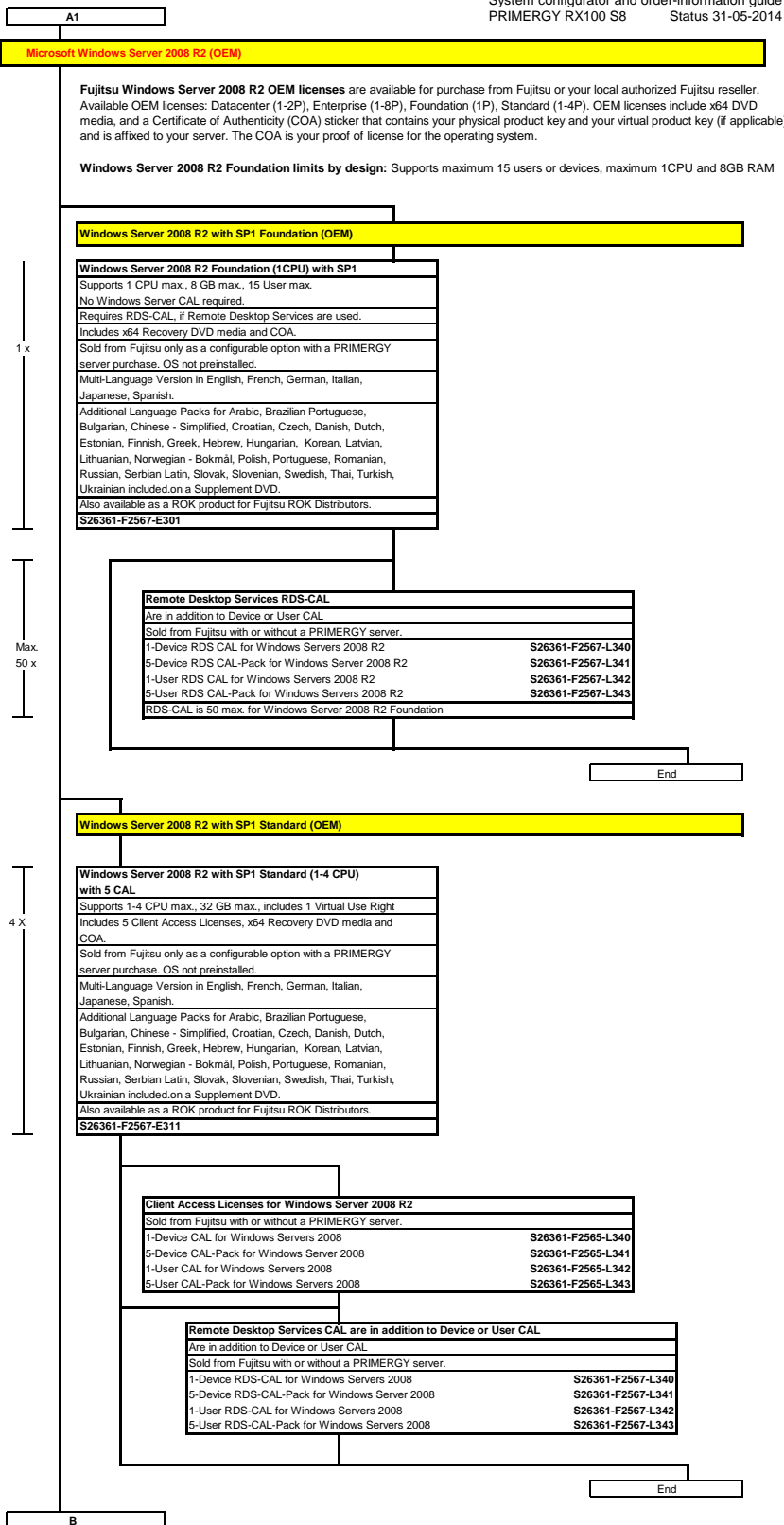


Downgrade / Downediton Rights per edition of Windows Server 2012:
Windows Server 2012 Datacenter includes downgrade and down-edition rights to Windows Server 2008 Datacenter, Enterprise, Standard.
Windows Server 2012 Standard includes downgrade rights to Windows Server 2008 Enterprise, Standard.
 The ability to run downgrade bits does not change the licensing or support terms in which you can use the product; the purchased product (Windows Server 2012) rights apply. This means that the license will continue to cover two physical processors and the virtualization rights do not change, i.e., the license entitles up to two virtual machines if Windows Server 2012 Standard was purchased.

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DG/DE Media Kits from Fujitsu		
Sold from Fujitsu with or without a PRIMERGY server per end-user request. Max. 1 per line.	With	Without
DG/DE Kit Windows Server 2008 SP2 Datacenter	S26361-F2567-E483	S26361-F2567-L483
DG/DE Kit Windows Server 2008 SP2 Enterprise	S26361-F2567-E484	S26361-F2567-L484
DG/DE Kit Windows Server 2008 SP2 Standard	S26361-F2567-E465	S26361-F2567-L485

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Windows Server 2008 R2 with SP1 Enterprise



Virtual Use Rights within Windows Server 2008 R2 Enterprise
 Let's use a customer deployment scenario as an example. For the purpose of this discussion, we will assume this is a "new IT project", ie an initiative where the server and running OS instances are new. With Windows Server 2008 R2 Enterprise, the customer can run 1 in the physical plus up to 4 virtual instances. These can be either:

- Windows Server 2008 R2 Enterprise
- Windows Server 2008 R2 Standard (Downedition rights)
- Windows Server 2008 Enterprise (Downgrade rights)
- Windows Server 2008 Standard (Downedition + Downgrade rights)
- Windows Server 2003 Enterprise R2 SP2 (Downgrade rights)
- Windows Server 2003 Standard R2 SP2 (Downedition + Downgrade rights)

4 x

Windows Server 2008 R2 with SP1 Enterprise (1-8 CPU) with 10 CAL

Supports 1-8 CPU max., 2 TB max., includes 4 Virtual Use Rights
 Includes 10 Client Access Licenses, x64 Recovery DVD media and COA.
 Sold from Fujitsu only as a configurable option with a PRIMERGY server purchase. OS not preinstalled.
 Multi-Language Version in English, French, German, Italian, Japanese, Spanish.
 Additional Language Packs for Arabic, Brazilian Portuguese, Bulgarian, Chinese - Simplified, Croatian, Czech, Danish, Dutch, Estonian, Finnish, Greek, Hebrew, Hungarian, Korean, Latvian, Lithuanian, Norwegian - Bokmål, Polish, Portuguese, Romanian, Russian, Serbian Latin, Slovak, Slovenian, Swedish, Thai, Turkish, Ukrainian included on a Supplement DVD.
 Also available as a ROK product for Fujitsu ROK Distributors.
S26361-F2567-E321

Client Access Licenses for Windows Server 2008 R2

Sold from Fujitsu with or without a PRIMERGY server.

1-Device CAL for Windows Servers 2008	S26361-F2565-L340
5-Device CAL-Pack for Windows Server 2008	S26361-F2565-L341
1-User CAL for Windows Servers 2008	S26361-F2565-L342
5-User CAL-Pack for Windows Servers 2008	S26361-F2565-L343

Remote Desktop Services CAL are in addition to Device or User CAL

Are in addition to Device or User CAL
 Sold from Fujitsu with or without a PRIMERGY server.

1-Device RDS-CAL for Windows Servers 2008	S26361-F2567-L340
5-Device RDS-CAL-Pack for Windows Server 2008	S26361-F2567-L341
1-User RDS-CAL for Windows Servers 2008	S26361-F2567-L342
5-User RDS-CAL-Pack for Windows Servers 2008	S26361-F2567-L343

End

Windows Server 2008 R2 with SP1 Datacenter



Virtual Use Rights within Windows Server 2008 R2 Datacenter
 Let's use a customer deployment scenario as an example. For the purpose of this discussion, we will assume this is a "new IT project", ie an initiative where the server and running OS instances are new. With Windows Server 2008 R2 Datacenter, the customer can run 1 in the physical plus unlimited virtual instances. These can be either:

- Windows Server 2008 R2 Datacenter
- Windows Server 2008 R2 Enterprise (Downedition rights)
- Windows Server 2008 R2 Standard (Downedition rights)
- Windows Server 2008 Datacenter (Downgrade rights)
- Windows Server 2008 Enterprise (Downedition + Downgrade rights)
- Windows Server 2008 Standard (Downedition + Downgrade rights)
- Windows Server 2003 Datacenter R2 SP2 (Downgrade rights)
- Windows Server 2003 Enterprise R2 SP2 (Downgrade rights)
- Windows Server 2003 Standard R2 SP2 (Downedition + Downgrade rights)

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Windows Server 2008 R2 with SP1 Datacenter (1-2 CPU)

Supports 2 CPU max., 2 TB max., includes Unlimited Virtual Use Rights
 Requires CAL - Not included
 Includes x64 Recovery DVD media and COA.
 Sold from Fujitsu only as a configurable option with a PRIMERGY server purchase. OS not preinstalled.
 Multi-Language Version in English, French, German, Italian, Japanese, Spanish.
 Additional Language Packs for Arabic, Brazilian Portuguese, Bulgarian, Chinese - Simplified, Croatian, Czech, Danish, Dutch, Estonian, Finnish, Greek, Hebrew, Hungarian, Korean, Latvian, Lithuanian, Norwegian - Bokmål, Polish, Portuguese, Romanian, Russian, Serbian Latin, Slovak, Slovenian, Swedish, Thai, Turkish, Ukrainian included on a Supplement DVD.
 Also available as a ROK product for Fujitsu ROK Distributors.
S26361-F2567-E331

Client Access Licenses for Windows Server 2008 R2

Sold from Fujitsu with or without a PRIMERGY server.

1-Device CAL for Windows Servers 2008	S26361-F2565-L340
5-Device CAL-Pack for Windows Server 2008	S26361-F2565-L341
1-User CAL for Windows Servers 2008	S26361-F2565-L342
5-User CAL-Pack for Windows Servers 2008	S26361-F2565-L343

Remote Desktop Services CAL are in addition to Device or User CAL

Are in addition to Device or User CAL
 Sold from Fujitsu with or without a PRIMERGY server.

1-Device RDS-CAL for Windows Servers 2008	S26361-F2567-L340
5-Device RDS-CAL-Pack for Windows Server 2008	S26361-F2567-L341
1-User RDS-CAL for Windows Servers 2008	S26361-F2567-L342
5-User RDS-CAL-Pack for Windows Servers 2008	S26361-F2567-L343

End

XV end

