FUJITSU COMPUTERS
SIEMENS

PRIMERGY TX200 S4

System configurator and order-information guide

December 2008

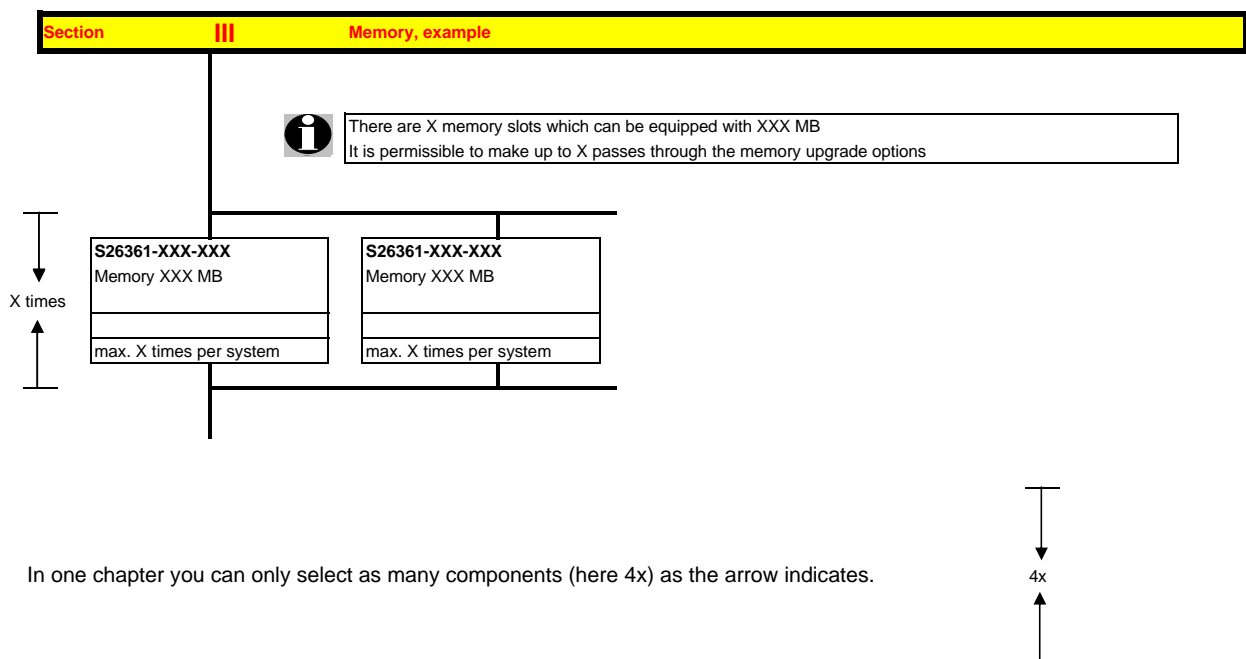**Contents**

PRIMERGY Server

Instructions

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

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

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

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

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

Section	**lll**	Memory, example

There are X memory slots which can be equipped with XXX MB
It is permissible to make up to X passes through the memory upgrade options

X times

S26361-XXX-XXX	**S26361-XXX-XXX**
Memory XXX MB	Memory XXX MB
max. X times per system	max. X times per system

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

4x

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

Further information in the internet see:

http://www.primergy.com   (internet)

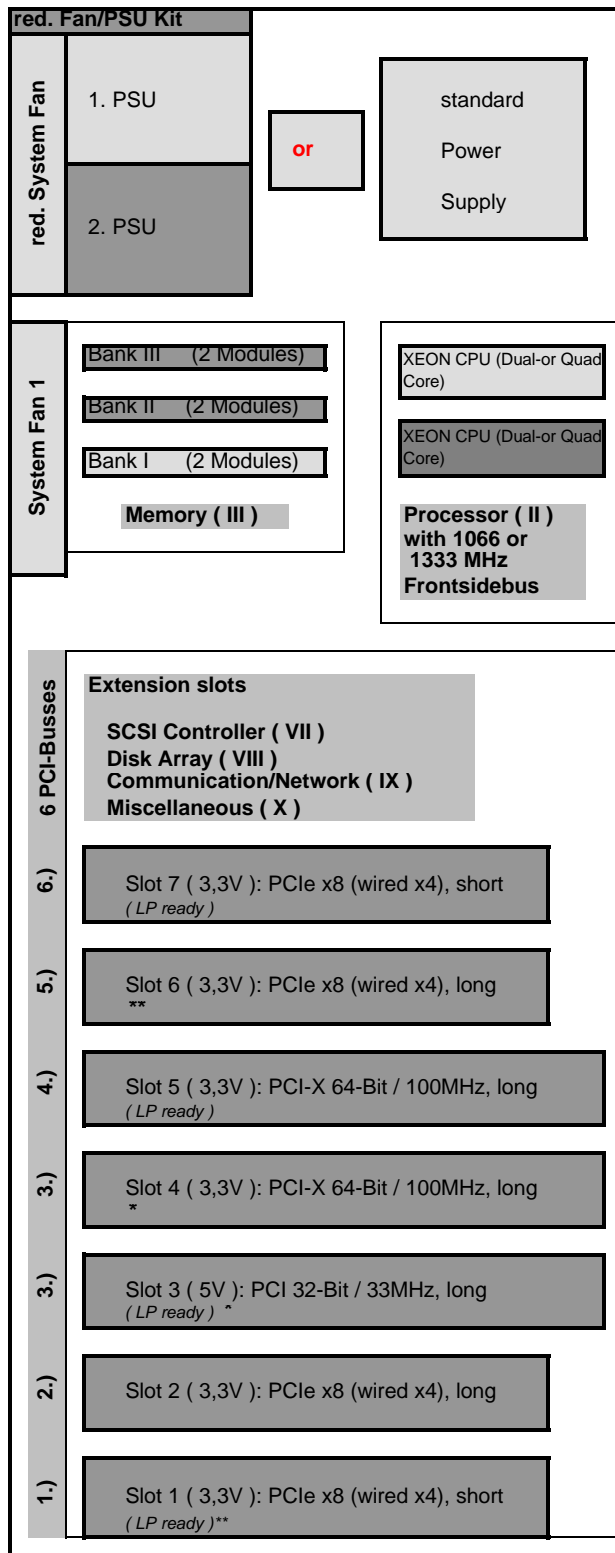http://extranet.fujitsu-siemens.com/primergy   (extranet)

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

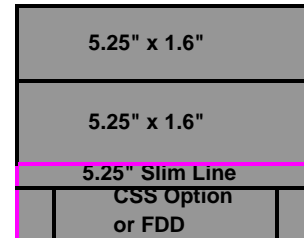## Configuration diagram PRIMERGY TX200 S4 SATA LFF (3.5") System Unit

System unit (I)

| SIDE VIEW | FRONT VIEW |

red. Fan/PSU Kit

| red. System Fan | 1. PSU | **or** | standard Power Supply |
| | 2. PSU | | |

System Fan 1

Bank III   (2 Modules)
Bank II   (2 Modules)
Bank I   (2 Modules)

Memory (III)

XEON CPU (Dual-or Quad Core)

XEON CPU (Dual-or Quad Core)

Processor (II) with 1066 or 1333 MHz Frontsidebus

3 x HH 5.25" free or
2 x HH 5,25" free + Option A

5.25" x 1.6"

5.25" x 1.6"

5.25" Slim Line
CSS Option or FDD

Accessible drives (V)

optional CSS: (Option A)
- support for SL (0.5") DVD Drive + local View LED Display (CSS) or FDD
- occupies one 5.25" bay

one DVD (slim line or standard) is mandatory

6 PCI-Busses

Extension slots

SCSI Controller (VII)
Disk Array (VIII)
Communication/Network (IX)
Miscellaneous (X)

6.) Slot 7 (3,3V): PCIe x8 (wired x4), short
(LP ready)

5.) Slot 6 (3,3V): PCIe x8 (wired x4), long
**

4.) Slot 5 (3,3V): PCI-X 64-Bit / 100MHz, long
(LP ready)

3.) Slot 4 (3,3V): PCI-X 64-Bit / 100MHz, long
*

3.) Slot 3 (5V): PCI 32-Bit / 33MHz, long
(LP ready) *

2.) Slot 2 (3,3V): PCIe x8 (wired x4), long

1.) Slot 1 (3,3V): PCIe x8 (wired x4), short
*(LP ready)***

Hard disk drives (VI)

System Fan 2

System Fan 3

4x 3.5" HDD Frame

3.5"x1"   SATA

3.5"x1"   SATA

3.5"x1"   SATA

3.5"x1"   SATA

* Note: If only one of the slots 3 or 4 is occupied, than the bus runs with 133MHz (IOOP™).

** Note: Slots 1 / slot 6 can operate x8 if performance adapter is plugged in slot 2 / slot 7.

Key:

| | Included in basic unit |
| | Option |

A PCIe x4 card can also be plugged in a PCIe x8 slot
A PCIe x8 card can also be plugged in a PCIe x8 (wired x4) slot
PCI and PCI-X slots are mechanically not compatible to PCIe slots!

Configuration diagram PRIMERGY TX200 S4 SAS LFF (3.5") System Unit

System unit (I)

SIDE VIEW   **FRONT VIEW**

red. Fan/PSU Kit

| red. System Fan | 1. PSU | **or** | standard Power Supply |
| | 2. PSU | | |

3 x HH 5.25" free or
2 x HH 5,25" free + Option A or
1 x HH 5.25" free + Option C or

| 5.25" x 1.6" |
| 5.25" x 1.6" |
| **5.25" Slim Line** CSS Option or FDD |

| CSS Option |
| **5.25" Slim Line** |
| 3.5"x1" SAS |
| 3.5"x1" SAS |
| 5.25" x 1.6" |

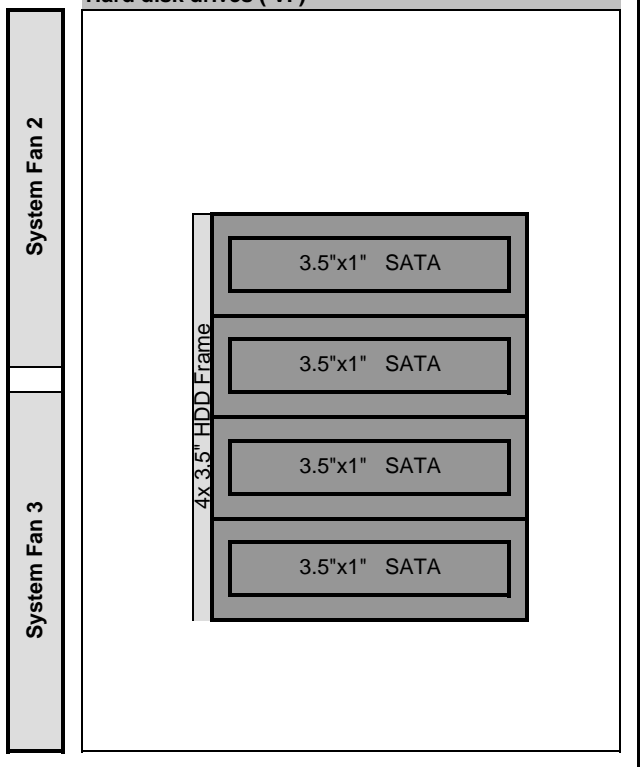| System Fan 1 | Bank III   (2 Modules) | | XEON CPU (Dual-or Quad Core) |
	Bank II (2 Modules)		XEON CPU (Dual-or Quad Core)
	Bank I (2 Modules)		
	Memory (III)		**Processor (II) with 1066 or 1333 MHz Frontsidebus**

Accessible drives (V)

optional CSS: (Option A)
- support for SL (0.5") DVD Drive + local View LED Display (CSS) or FDD
- occupies one 5.25" bay

optional SAS LFF HDD extension Box: (Option C)
- support for
  + 2x 3.5" SAS HDD hot plug
  + SL (0.5") DVD Drive
  + CSS Option
- occupies two 5.25" bays

🛈 one DVD (slim line or standard) is mandatory

6 PCI-Busses

Extension slots

SCSI Controller (VII)
Disk Array (VIII)
Communication/Network (IX)
Miscellaneous (X)

6.)	Slot 7 (3,3V): PCIe x8 (wired x4), short *(LP ready)*
5.)	Slot 6 (3,3V): PCIe x8 (wired x4), long **
4.)	Slot 5 (3,3V): PCI-X 64-Bit / 100MHz, long *(LP ready)*
3.)	Slot 4 (3,3V): PCI-X 64-Bit / 100MHz, long *
3.)	Slot 3 (5V): PCI 32-Bit / 33MHz, long *(LP ready)* *
2.)	Slot 2 (3,3V): PCIe x8 (wired x4), long
1.)	Slot 1 (3,3V): PCIe x8 (wired x4), short *(LP ready)***

Hard disk drives (VI)

System Fan 2 / System Fan 3	4x 3.5" HDD Frame
	3.5"x1" SAS
	3.5"x1" SAS
	3.5"x1" SAS
	3.5"x1" SAS

* Note: If only one of the slots 3 or 4 is occupied, than the bus runs with 133MHz (IOOP™).

** Note: Slots 1 / slot 6 can operate x8 if performance adapter is plugged in slot 2 / slot 7.
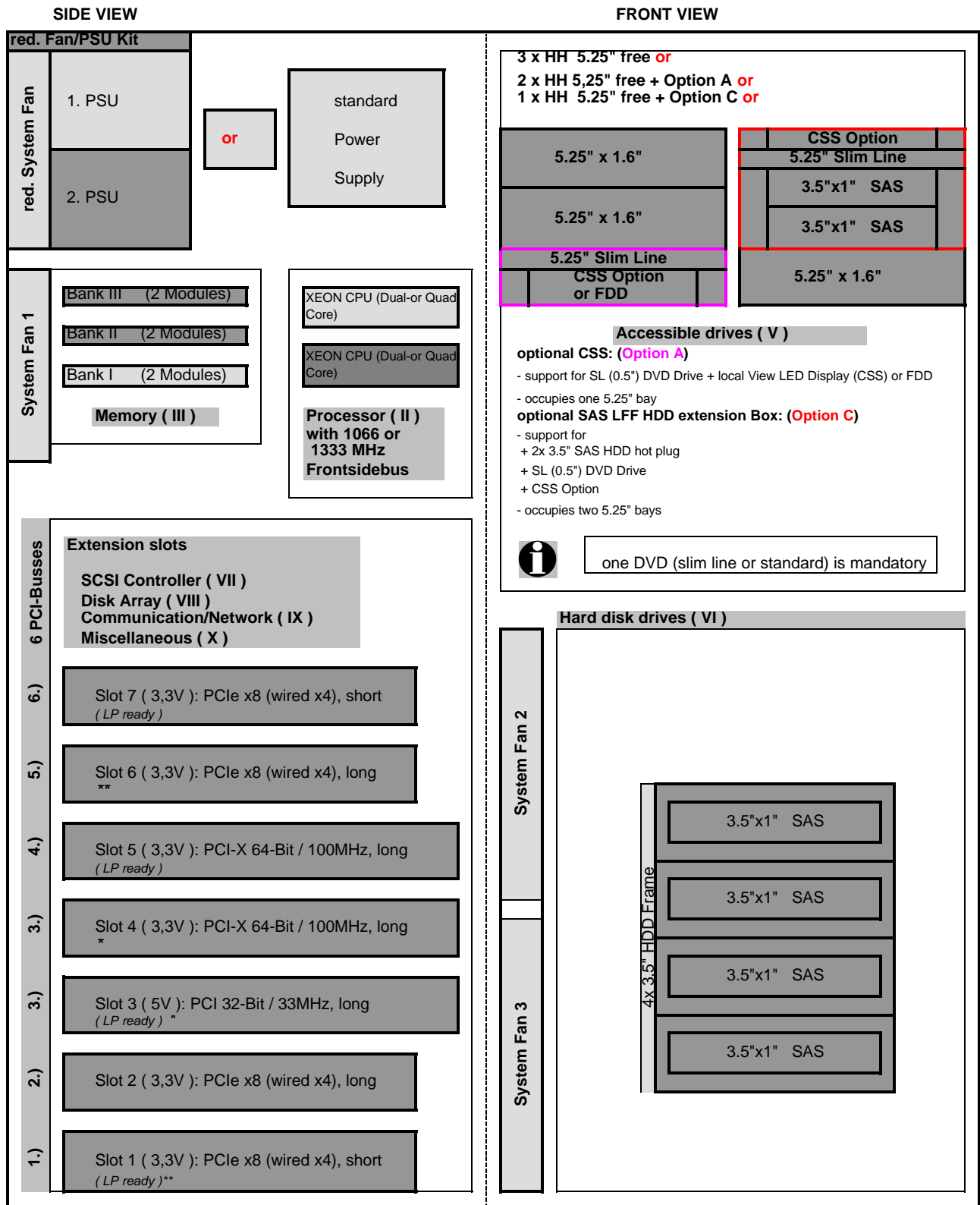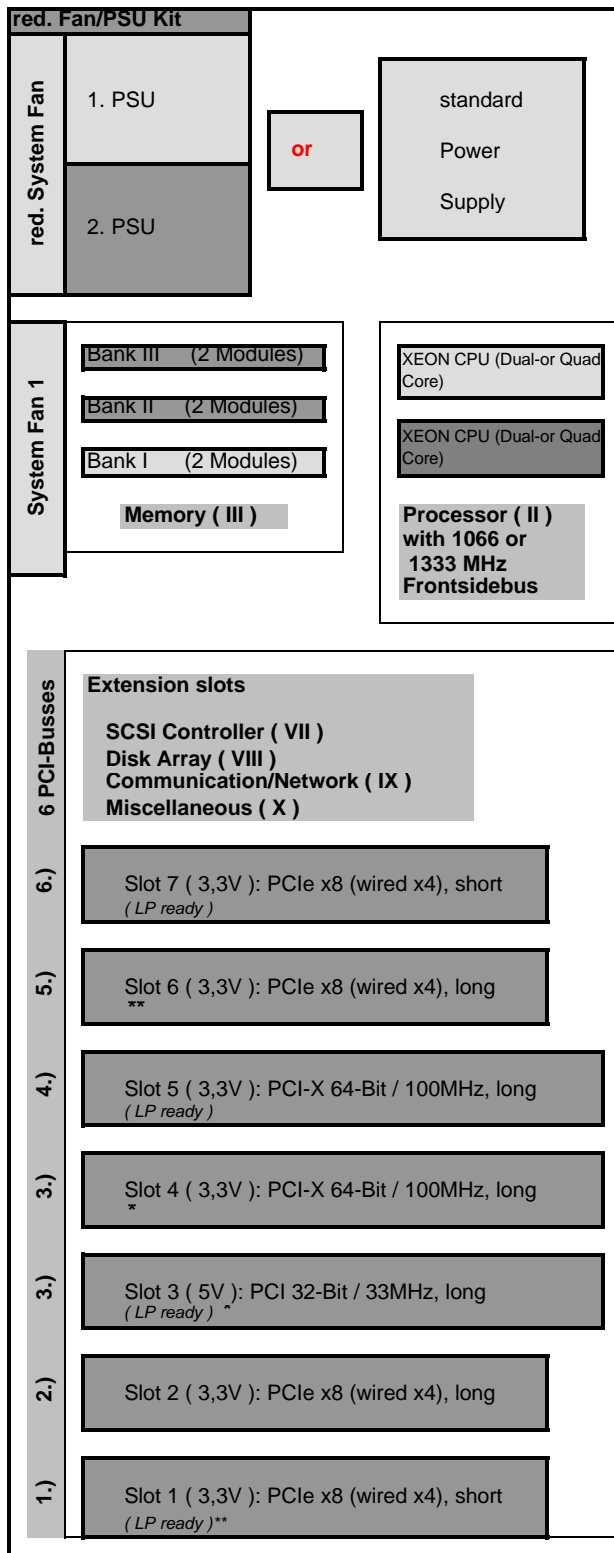
Key:

| ☐ | Included in basic unit |
| ☐ | Option |

🛈 A PCIe x4 card can also be plugged in a PCIe x8 slot
A PCIe x8 card can also be plugged in a PCIe x8 (wired x4) slot
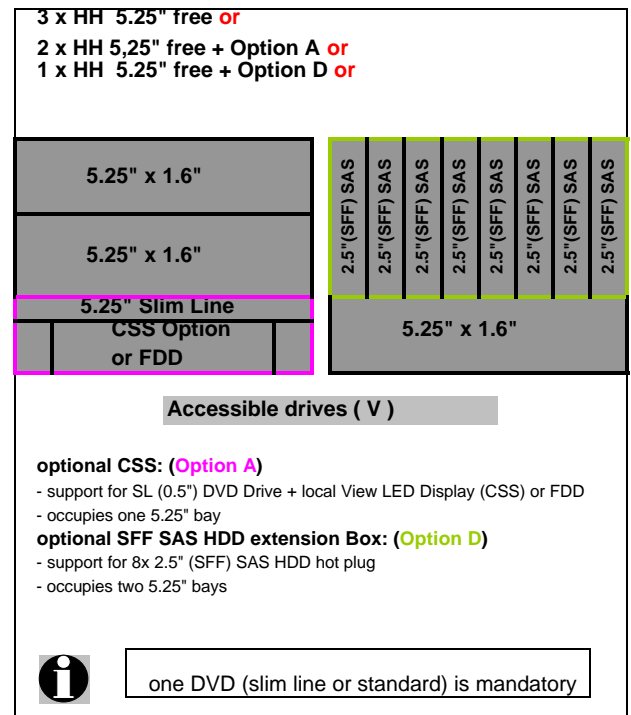PCI and PCI-X slots are mechanically not compatible to PCIe slots!

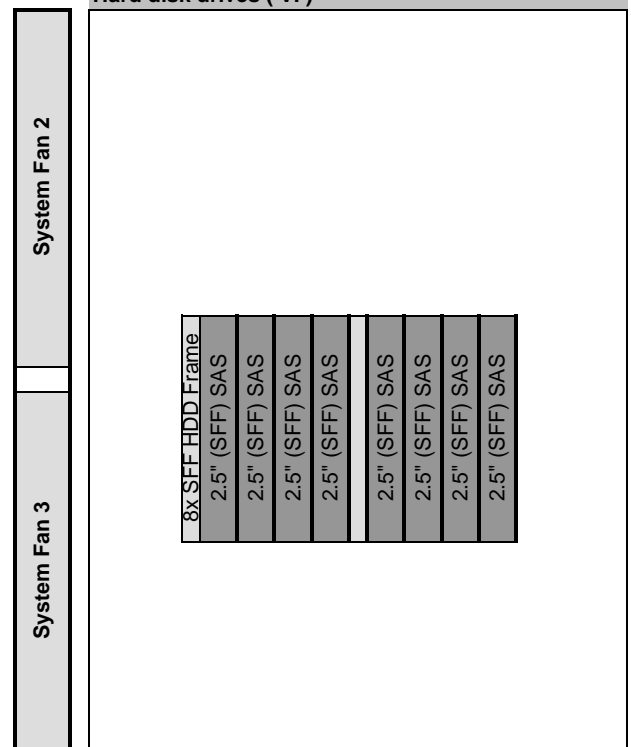## Configuration diagram PRIMERGY TX200 S4 SAS SFF (2.5") System Unit

System unit (I)

SIDE VIEW   **FRONT VIEW**

red. Fan/PSU Kit

red. System Fan

1. PSU		standard
	or	Power
2. PSU		Supply

System Fan 1

Bank III   (2 Modules)
Bank II   (2 Modules)
Bank I   (2 Modules)

Memory (III)

XEON CPU (Dual-or Quad Core)

XEON CPU (Dual-or Quad Core)

Processor (II) with 1066 or 1333 MHz Frontsidebus

Extension slots

SCSI Controller (VII)
Disk Array (VIII)
Communication/Network (IX)
Miscellaneous (X)

6 PCI-Busses

6.) Slot 7 (3,3V): PCIe x8 (wired x4), short *(LP ready)*

5.) Slot 6 (3,3V): PCIe x8 (wired x4), long **

4.) Slot 5 (3,3V): PCI-X 64-Bit / 100MHz, long *(LP ready)*

3.) Slot 4 (3,3V): PCI-X 64-Bit / 100MHz, long *

3.) Slot 3 (5V): PCI 32-Bit / 33MHz, long *(LP ready) *

2.) Slot 2 (3,3V): PCIe x8 (wired x4), long

1.) Slot 1 (3,3V): PCIe x8 (wired x4), short *(LP ready)**

FRONT VIEW:

3 x HH 5.25" free **or**
2 x HH 5,25" free + Option A **or**
1 x HH 5.25" free + Option D **or**

5.25" x 1.6"

5.25" x 1.6"

5.25" Slim Line
CSS Option or FDD

2.5"(SFF) SAS   2.5"(SFF) SAS   2.5"(SFF) SAS   2.5"(SFF) SAS   2.5"(SFF) SAS   2.5"(SFF) SAS   2.5"(SFF) SAS   2.5"(SFF) SAS

5.25" x 1.6"

Accessible drives (V)

optional CSS: (Option A)
- support for SL (0.5") DVD Drive + local View LED Display (CSS) or FDD
- occupies one 5.25" bay
optional SFF SAS HDD extension Box: (Option D)
- support for 8x 2.5" (SFF) SAS HDD hot plug
- occupies two 5.25" bays

ⓘ one DVD (slim line or standard) is mandatory

Hard disk drives (VI)

System Fan 2

System Fan 3

8x SFF HDD Frame
2.5" (SFF) SAS   2.5" (SFF) SAS   2.5" (SFF) SAS   2.5" (SFF) SAS   2.5" (SFF) SAS   2.5" (SFF) SAS   2.5" (SFF) SAS   2.5" (SFF) SAS

* Note: If only one of the slots 3 or 4 is occupied, than the bus runs with 133MHz (IOOP™).

** Note: Slots 1 / slot 6 can operate x8 if performance adapter is plugged in slot 2 / slot 7.

Key:

▢ Included in basic unit

▨ Option

ⓘ A PCIe x4 card can also be plugged in a PCIe x8 slot
A PCIe x8 card can also be plugged in a PCIe x8 (wired x4) slot
PCI and PCI-X slots are mechanically not compatible to PCIe slots!

Start PRIMERGY TX200 S4

SW - Configurator 32 bit

with OEM-Software
for PRIMERGY Server

Usage of OEM SW from MS is not possible under VMware

without OEM-Software
for PRIMERGY Server

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

VMware-Software
- VCMS VirtualCenter Management Server
- Virtual Infrastructure 3

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 - Software: W **)
- Small Business Server 2003
- Windows Server 2003 R2,
  Standard Edition
  Enterprise Edition
  ! Web Edition, SP1/English

PRIMECLUSTER *)
- Clustering
- Load Balancing

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

CITRIX-Software for Windows: W-MF
- Multiuser SW MetaFrame
  LoadBalancing
  Additional User Lizenzen

**MultiPath, Duplex Data Manager (DDM)
W2K; W2K3 Linux (W-DDM)**

Manageability Software: V**)
- RemoteDeploy (as soon as available)
- Altiris Server Deployment
- iRMC advanced pack
- RemoteView Software

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

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

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

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

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

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

Continue with PRIMERGY HW configurator

SW Configurator EM64T / IA64

with OEM-Software
for PRIMERGY Server

ℹ️ Usage of OEM SW from MS is
not possible under VMware

without OEM-Software
for PRIMERGY Server

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

VMware-Software
- VCMS VirtualCenter Management Server
- Virtual Infrastructure 3

ℹ️ For all SW products listed below please refer to the corresponding
software configurator accessible via the Extranet under "PC Configurations,
Configurator for PRIMERGY SW", URL see below.

**only
EM64T**

Microsoft - Software: W
- Windows Server 2003 R2,
  Standard x64 Edition
  Enterprise x64 Edition

**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**

**CITRIX-Software for
Windows: W-MF**
- Presentation Server
  LoadBalancing
  Additional User Licences

**only
EM64T**

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

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

**only
EM64T**

Manageability Software: V)**
- RemoteDeploy (as soon as available)
- iRMC advanced pack
- RemoteView Software

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

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

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

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

**Continue with PRIMERGY
HW configurator**

System unit, Rack and Floorstand, including:

* Two lockable front covers in floorstand version
        Door #1 for accessible drive bays
        Door #2 for hot plug HDD bays
        Both doors may be locked or door #1 may be left open while door #2 is still locked
* backplane with 4 (LFF) or 8 (SFF) bays for hot-plug HD's. Type depending on base unit:
        Type 1: 4x hot plug LFF (3.5") SAS/SATA HDD (SAS/SATA LFF base units only)
        Type 2: 8x (2x4) hot plug SFF (2.5") SAS HDD (SAS SFF base units only)
* PSU and Fan Type depending on base unit:
        Type 1: standard PSU and standard Fans (3 System Fans)
            (V101, V301, V501 and V701 base units only)
        Type 2: hot plug PSU and redundant Fans (4 System Fans)
            (V201, V401, V601 and V801 base units only)
* 3 bays 5.25" for accessible drives (half Hight)
* the basic units are generally offered with 1GB, 2GB or 4GB "Base Memory" and "Base CPU" (CPU1)

  Options:
* for V201, V401, V601 and V801 base units there is an upgrade to hot plug redundant PSU available

  Systemboard with:
* One Xeon Dual- or Quad-Core CPU supporting 64Bit EM64T and Intel® VT / HT / DBS Technology.
* Chipset Intel® 5000Z (codenamed Blackford-Z) supporting DCTechnology
* 7 PCI slots: **4x PCIe x8 (wired x4), 2x long, 2 Slots may run x8 speed if performance adapter is used**
                    2x 64Bit / PCI-X 100, long (3,3V), with IOOP™ 133MHz if only one Slot is populated
                    1x 32Bit / PCI 33MHz, long (5V)
* 6 memory slots for max. 24GB FBD667 / PC2-5300F FullyBuffered DIMM RAM
  2-way memory interleave technology => 3 banks with 2 slots each, max. 4GB modul per slot,
  Hot Spare Memory support, SDDC (Chipkill) support
* One Fast-IDE (ATA) channel on-board for 1x DVD integrated in the Intel Southbridge ESB2-V
* SATA Controller on-board
* 1 Gbit Ethernet LAN on board (Bcom 5708) with ToE
  and iSCSI boot integrated in System BIOS as selectable option
* iRMC S2 (integrated Remote Management Controller) on-board server management controller
  with dedicated 10/100 Service LAN-port and
  integrated graphics controller (max. Resolution: 1600 x 1200 at 16 bpp)
  The Service LAN-port can be switched alternatively on standard Gbit LAN port 1

  Interfaces:
* 1x RS-232-C (serial, 9pin), 1x RS-232-C (9-pin) (usable for BMC or OS or shared)
* 1x Centronics (parallel, 25 pin, EPP/ECP compatible) as option
* 1x keyboard (PS/2)
* 1x mouse (PS/2)
* 1x VGA (15 pin)
* 5x USB **2.0** (UHCI) with **480MBit/s** (2x external at the rear, 1x external at the frontside,
 2x released internal USB Interfaces for backup devices, no USB wakeup)
* 1x LAN RJ45, 1x Service-LAN RJ45

*internal Cables:
 1. SATA cable for CD/DVD.
 2. Cable for HDD Backplane
 3. USB cable (if USB Backup is used)

* PS/2 mouse (floorstand version only)
* ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates
* Documentation engl. (multilingual on CD)

A

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Floorstand-version

Basic unit without CPU and Memory

**- Minimum one CPU / Memory module has to be
selected via CPU / Memory order codes**

- Mouse with two pushbuttons

SAS/SATA LFF (3.5") Floorstand-version with:
- 4-port SAS backplane for 4 hot plug
  LFF (3.5") SAS/SATA HDDs incl. cables for connection
  to the onboard SATA or plug in SAS controller

SAS SFF (2.5") Floorstand-version with:
- 2x4-port SAS backplane for 8 hot
  plug SFF (2.5") SAS HDDs incl. cables for connection
  to the plug in SAS controller

- SAS/SATA LFF (3.5") Base Unit w/ std. PSU	S26361-K1158-V101
- SAS/SATA LFF (3.5") Base Unit w/ hot plug PSU and red. Fans	S26361-K1158-V201
- SAS SFF (2.5") Base Unit w/ std. PSU	S26361-K1158-V301
- SAS SFF (2.5") Base Unit w/ hot plug PSU and red. Fans	S26361-K1158-V401

B1

Rack-version

Basic unit without CPU and Memory

Including 1 power cord with inlet connector
for non-heating apparatus

**- Minimum one CPU / Memory module has to be
selected via CPU / Memory order codes**

** mounting kit not included
oder S26361-F2734-L90 or
choose installation ex works (see below)

SAS/SATA LFF (3.5") Rack-version with:
- 4-port SAS backplane for 4 hot plug
  LFF (3.5") SAS/SATA HDDs incl. cables for connection
  to the onboard SATA or plug in SAS controller

SAS SFF (2.5") Rack-version with:
- 2x4-port SAS backplane for 8 hot
  plug SFF (2.5") SAS HDDs incl. cables for connection
  to the plug in SAS controller

- SAS/SATA LFF (3.5") Base Unit w/ std. PSU	S26361-K1158-V501
- SAS/SATA LFF (3.5") Base Unit w/ hot plug PSU and red. Fans	S26361-K1158-V601
- SAS SFF (2.5") Base Unit w/ std. PSU	S26361-K1158-V701
- SAS SFF (2.5") Base Unit w/ hot plug PSU and red. Fans	S26361-K1158-V801

B2

ℹ

** Rack mounting kit consists of:
- 1 pair of patented telescopic
    sliding rails (704-790mm)
- 1 sliding drawer for system unit (5U)
  **Allows easy mounting and
  tool less adjustable in depth**
- 1 support bracket PC-Rack
- 1 cable management PC-racks

The mounting kit, orderd in addition,
allows for the mounting into a PRIMERGY
PRIMECENTER- and DataCenter-rack
with 12, 24, 38 or 46U (height units).

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The LFF Base Units offer onboard SATA
functionality for up to 4 HDD.
An additional SAS controller is required
if you need support for SAS HDD.

B1
PRIMERGY TX200 S4 Floorstand

B2
PRIMERGY TX200 S4 Rack

S26361-F2734-E90
RMK_TX200-S4
sliding drawer, full extraction,
1-hand-mounting
consisting of
- 1 sliding drawer for system unit (5U)
- 1 cable management PC-racks
- 1 bracket DC-PC-3rd-Rack
1x per system

S26361-F2735-E112
Pointer to RMK_TX200-S4 -L90-Option
Hint to order S26361-F2734-L90 as option
With Rack install ex factory, only "-L90"
must be ordered for loose delivery
max. 1x per system

C

Note: RMK_TX200-S4 as -E option only to be ordered together with a "order relevant" *) PRIMERGY PRIMECENTER rack e.g.: S26361-K826-V10x for all other reasons the loose delievery option of RMK has to be ordered: S26361-F2734-L90

S26361-F2734-L90
RMK_TX200-S4
for loose delivery

S26361-F2201-L20
Cable arm 3rd party racks
for loose delivery

*) Attention: configuration of -E90 in a "not order relevant" rack is not allowed!

PRIMERGY PRIMECENTER-rack

SNP:SY-F1647E301-P
Installation ex works for one server or subsystem.
Hereby the rack will be delivered completely pre-mounted and all wired connections are tested.
With racks 12U, 24U, 38U: Systems and components will be delivered installed in the rack
With racks 46U: Systems and components will be delivered separately
To be ordered only together with a PRIMERGY PRIMECENTER rack e.g.: S26361-K826-V10x
refer configurator PC-Rack
max. 1x per System

PRIMERGY 42/23U rack
PRIMERGY Classic 19" rack is not supported

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

For later conversion the following kits are available:	FSC PC-/DC-/3rd party- Rack
1.) Conversion kit 2 Floor -> Rack Conversion PRIMERGY TX200 S4 base unit floorstand into base unit rack including 2 power cords with inlet connector for non-heating apparatus. Only conversion, no mounting kit. Mounting kit has to be ordered seperatly	**S26361-F1729-L330** **plus**
2.) Mounting Kit FSC PC-/DC-/3rd party- Rack incl. DC- PC- bracket, **and** cable managment This kit will fit in server racks conforming to EIA standards EIA-310-D for 19" racks.	**S26361-F2734-L90** RMK_TX200-S4 **or**
3.) cable management or cable arm to be ordered additionally FSC PC-/DC- Rack cable management or 3rd party- Rack cable arm	either one to be ordered **included** **or** **S26361-F2201-L20**

Cables included in basic unit

Cable for CD/DVD is included
All cables for connection of HDD Backplane are included
Cables for USB Backup Drives are automatically provided if a USB Backup Drive is ordered.

C

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ℹ️

S26113-F525-E10
2nd power supply 700W
(hot plug) for redundancy
occupies one bay for
hot plug power supply
max. 1x per system

Base Units with hot plug PSU only
(V201, V401, V601 and V801)
floorstand versions only
(V201 and V401)
A second, redundant power supply requires an additional country specific power cord (section XIII)

Fan and PSU upgrade kit: Conversion from standard into hot plug PS (incl. 1 PS module) Upgrade of standard into redundant fans	S26113-F525-L11

1 power supply module 700W hot plug: Supplementary module	S26113-F525-L10

D

D

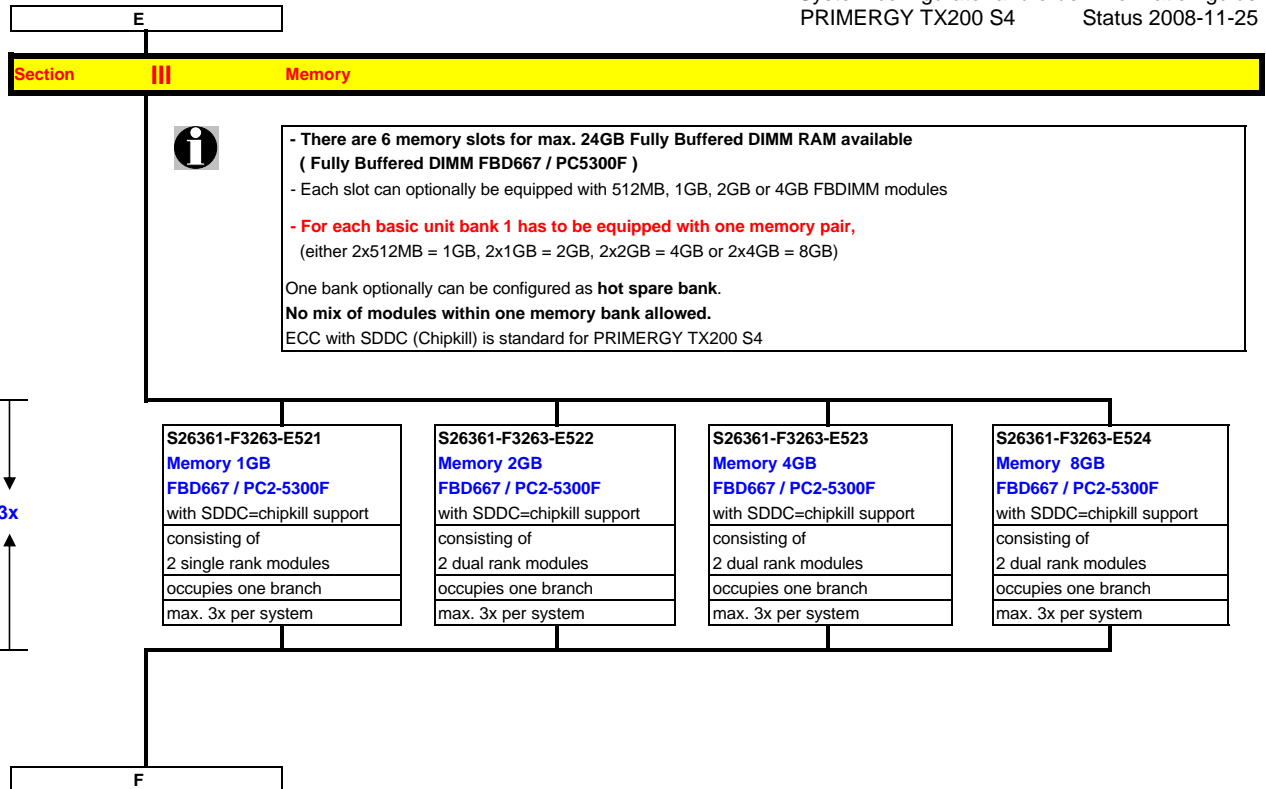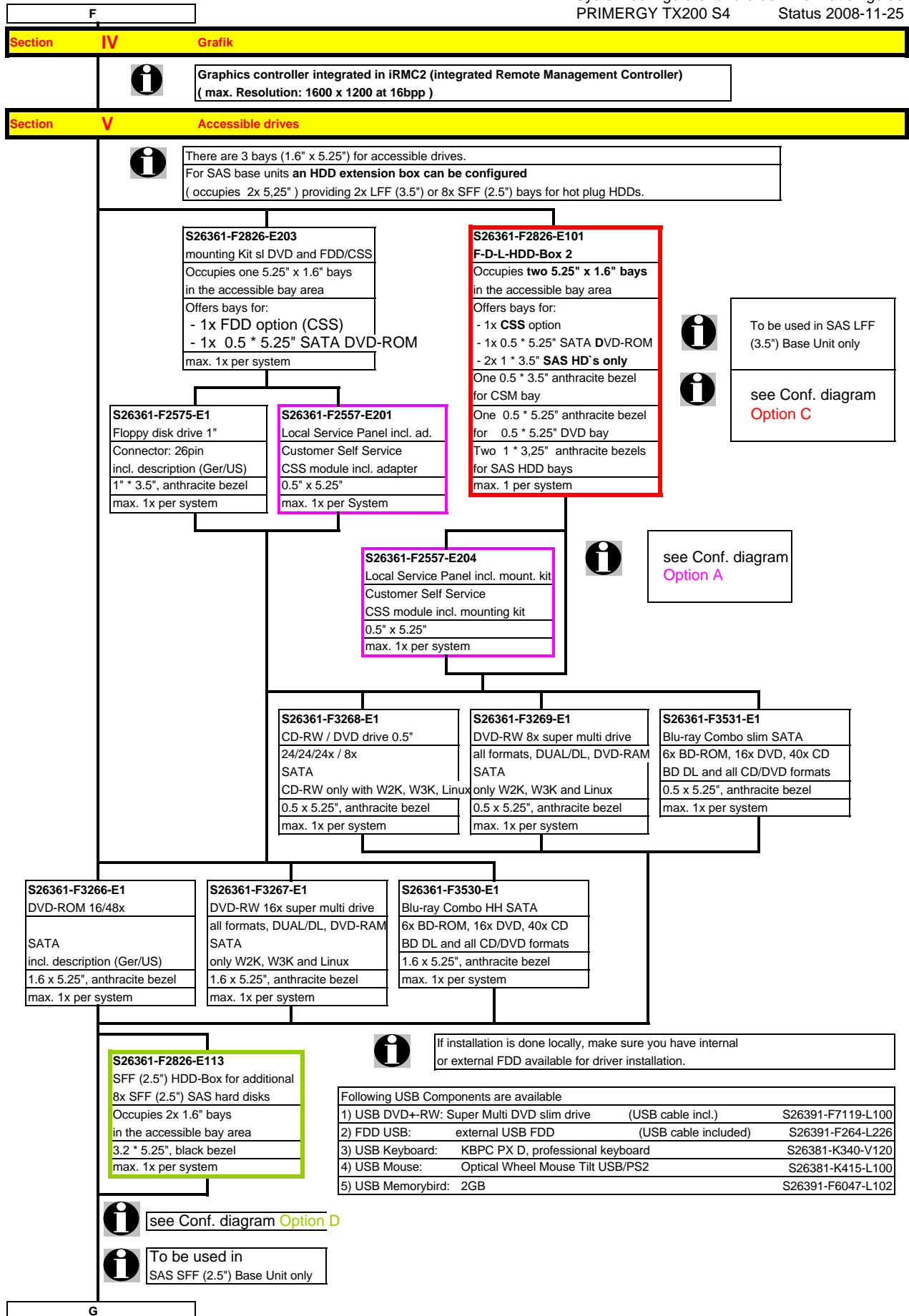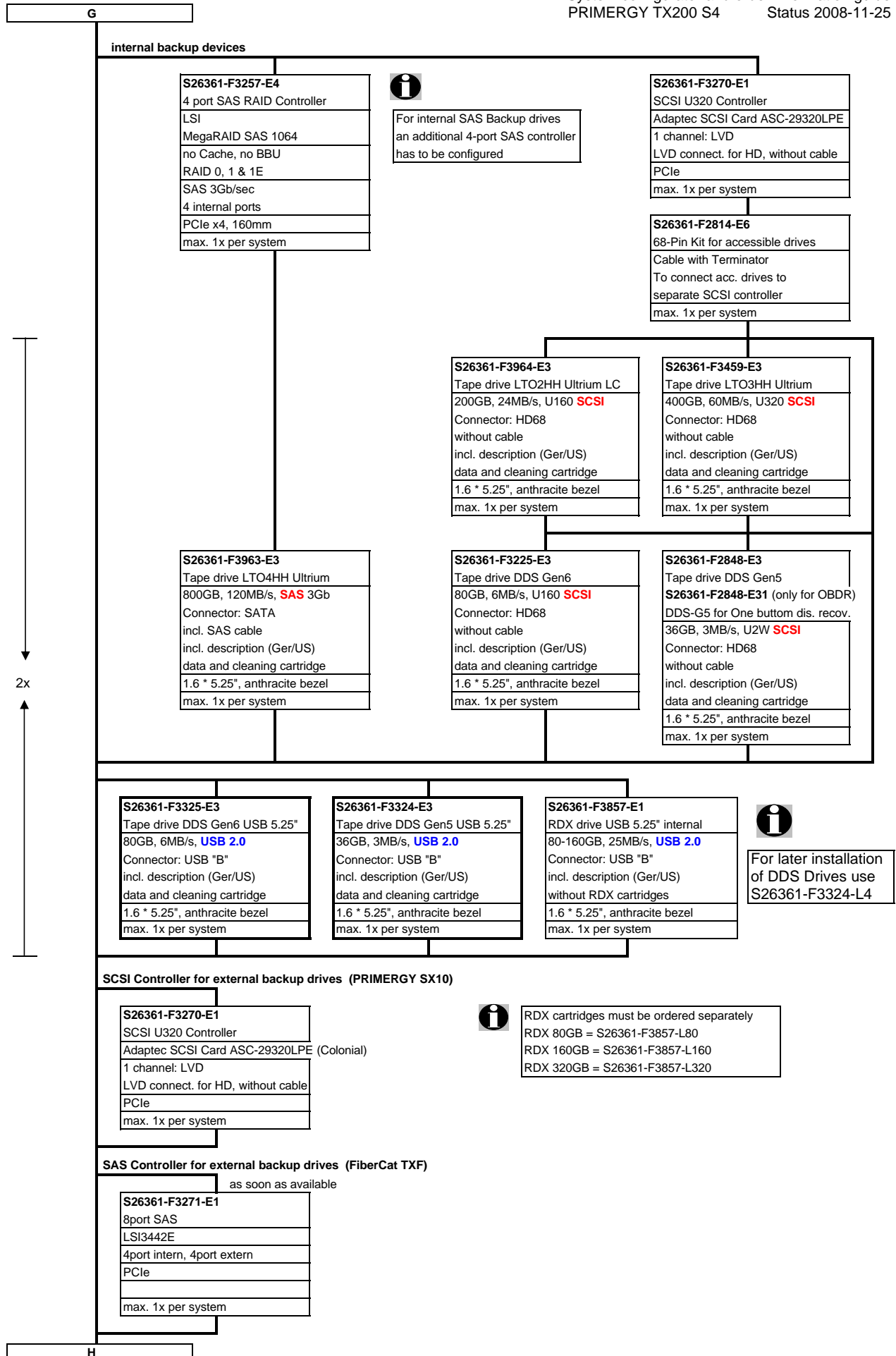| Section	II	Processor

There are 2 processor LGA771 sockets available.
The first socket is always equipped with the **first CPU** which can be selected via configurator

It is also possible to upgrade a dual-processor system later on with a **second CPU**

Two processors with different clock frequencies are not possible

A multi-processor operating system is required for a dual-processor system.

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	
Dual-Core CPU`s	
- 1x 64-bit Intel Xeon DP (6**MB** shared SLC = Second Level Cache)	
and heatpipe	
occupies socket for one CPU	
Xeon DP E5205 (1.86GHz/6M/1066) / 65W	**S26361-F3274-E186**
Quad-Core CPU`s	
- 1x 64-bit Intel Xeon DP (**2x6MB** shared SLC = Second Level Cache)	
and heatpipe	
occupies socket for one CPU	
Xeon DP E5405 (2.xxGHz/2x6M/1333) / 80W	**S26361-F3276-E200**
Xeon DP E5420 (2.50GHz/2x6M/1333) / 80W	**S26361-F3276-E250**
Xeon DP E5430 (2.66GHz/2x6M/1333) / 80W	**S26361-F3276-E266**
Low Voltage Quad-Core CPU`s	
- 1x 64-bit Intel Xeon DP (**2x4MB** shared SLC = Second Level Cache)	
and heatpipe	
occupies socket for one CPU	
Xeon DP L5310 (1.60GHz/2x4M/1066) / 50W	**S26361-F3343-E160**
Xeon LV DP L5410 (2.33GHz 2x6M/1333) / 50W	**S26361-F3343-E233**
Xeon LV DP L5420 (2.50GHz 2x6M/1333) / 50W	**S26361-F3343-E250**

E

E

Section **III** **Memory**

- **There are 6 memory slots for max. 24GB Fully Buffered DIMM RAM available**
  (Fully Buffered DIMM FBD667 / PC5300F)
- Each slot can optionally be equipped with 512MB, 1GB, 2GB or 4GB FBDIMM modules

- **For each basic unit bank 1 has to be equipped with one memory pair,**
  (either 2x512MB = 1GB, 2x1GB = 2GB, 2x2GB = 4GB or 2x4GB = 8GB)

One bank optionally can be configured as **hot spare bank**.
No mix of modules within one memory bank allowed.
ECC with SDDC (Chipkill) is standard for PRIMERGY TX200 S4

3x

S26361-F3263-E521	**S26361-F3263-E522**	**S26361-F3263-E523**	**S26361-F3263-E524**
Memory 1GB	**Memory 2GB**	**Memory 4GB**	**Memory 8GB**
FBD667 / PC2-5300F	**FBD667 / PC2-5300F**	**FBD667 / PC2-5300F**	**FBD667 / PC2-5300F**
with SDDC=chipkill support	with SDDC=chipkill support	with SDDC=chipkill support	with SDDC=chipkill support
consisting of	consisting of	consisting of	consisting of
2 single rank modules	2 dual rank modules	2 dual rank modules	2 dual rank modules
occupies one branch	occupies one branch	occupies one branch	occupies one branch
max. 3x per system	max. 3x per system	max. 3x per system	max. 3x per system

F

F

Section   IV   Grafik

Graphics controller integrated in iRMC2 (integrated Remote Management Controller)
(max. Resolution: 1600 x 1200 at 16bpp)

Section   V   Accessible drives

There are 3 bays (1.6" x 5.25") for accessible drives.
For SAS base units **an HDD extension box can be configured**
(occupies 2x 5,25") providing 2x LFF (3.5") or 8x SFF (2.5") bays for hot plug HDDs.

S26361-F2826-E203
mounting Kit sl DVD and FDD/CSS
Occupies one 5.25" x 1.6" bays
in the accessible bay area
Offers bays for:
- 1x FDD option (CSS)
- 1x 0.5 * 5.25" SATA DVD-ROM
max. 1x per system

S26361-F2826-E101
F-D-L-HDD-Box 2
Occupies **two 5.25" x 1.6" bays**
in the accessible bay area
Offers bays for:
- 1x **CSS** option
- 1x 0.5 * 5.25" SATA **D**VD-ROM
- 2x 1 * 3.5" **SAS HD`s only**
One 0.5 * 3.5" anthracite bezel
for CSM bay
One 0.5 * 5.25" anthracite bezel
for 0.5 * 5.25" DVD bay
Two 1 * 3,25" anthracite bezels
for SAS HDD bays
max. 1 per system

To be used in SAS LFF
(3.5") Base Unit only

see Conf. diagram
Option C

S26361-F2575-E1
Floppy disk drive 1"
Connector: 26pin
incl. description (Ger/US)
1" * 3.5", anthracite bezel
max. 1x per system

S26361-F2557-E201
Local Service Panel incl. ad.
Customer Self Service
CSS module incl. adapter
0.5" x 5.25"
max. 1x per System

S26361-F2557-E204
Local Service Panel incl. mount. kit
Customer Self Service
CSS module incl. mounting kit
0.5" x 5.25"
max. 1x per system

see Conf. diagram
Option A

S26361-F3268-E1
CD-RW / DVD drive 0.5"
24/24/24x / 8x
SATA
CD-RW only with W2K, W3K, Linux
0.5 x 5.25", anthracite bezel
max. 1x per system

S26361-F3269-E1
DVD-RW 8x super multi drive
all formats, DUAL/DL, DVD-RAM
SATA
only W2K, W3K and Linux
0.5 x 5.25", anthracite bezel
max. 1x per system

S26361-F3531-E1
Blu-ray Combo slim SATA
6x BD-ROM, 16x DVD, 40x CD
BD DL and all CD/DVD formats
0.5 x 5.25", anthracite bezel
max. 1x per system

S26361-F3266-E1
DVD-ROM 16/48x

SATA
incl. description (Ger/US)
1.6 x 5.25", anthracite bezel
max. 1x per system

S26361-F3267-E1
DVD-RW 16x super multi drive
all formats, DUAL/DL, DVD-RAM
SATA
only W2K, W3K and Linux
1.6 x 5.25", anthracite bezel
max. 1x per system

S26361-F3530-E1
Blu-ray Combo HH SATA
6x BD-ROM, 16x DVD, 40x CD
BD DL and all CD/DVD formats
1.6 x 5.25", anthracite bezel
max. 1x per system

S26361-F2826-E113
SFF (2.5") HDD-Box for additional
8x SFF (2.5") SAS hard disks
Occupies 2x 1.6" bays
in the accessible bay area
3.2 * 5.25", black bezel
max. 1x per system

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

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

see Conf. diagram Option D

To be used in
SAS SFF (2.5") Base Unit only

G

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internal backup devices

S26361-F3257-E4
4 port SAS RAID Controller
LSI
MegaRAID SAS 1064
no Cache, no BBU
RAID 0, 1 & 1E
SAS 3Gb/sec
4 internal ports
PCIe x4, 160mm
max. 1x per system

For internal SAS Backup drives
an additional 4-port SAS controller
has to be configured

S26361-F3270-E1
SCSI U320 Controller
Adaptec SCSI Card ASC-29320LPE
1 channel: LVD
LVD connect. for HD, without cable
PCIe
max. 1x per system

S26361-F2814-E6
68-Pin Kit for accessible drives
Cable with Terminator
To connect acc. drives to
separate SCSI controller
max. 1x per system

S26361-F3964-E3
Tape drive LTO2HH Ultrium LC
200GB, 24MB/s, U160 **SCSI**
Connector: HD68
without cable
incl. description (Ger/US)
data and cleaning cartridge
1.6 * 5.25", anthracite bezel
max. 1x per system

S26361-F3459-E3
Tape drive LTO3HH Ultrium
400GB, 60MB/s, U320 **SCSI**
Connector: HD68
without cable
incl. description (Ger/US)
data and cleaning cartridge
1.6 * 5.25", anthracite bezel
max. 1x per system

2x

S26361-F3963-E3
Tape drive LTO4HH Ultrium
800GB, 120MB/s, **SAS** 3Gb
Connector: SATA
incl. SAS cable
incl. description (Ger/US)
data and cleaning cartridge
1.6 * 5.25", anthracite bezel
max. 1x per system

S26361-F3225-E3
Tape drive DDS Gen6
80GB, 6MB/s, U160 **SCSI**
Connector: HD68
without cable
incl. description (Ger/US)
data and cleaning cartridge
1.6 * 5.25", anthracite bezel
max. 1x per system

S26361-F2848-E3
Tape drive DDS Gen5
S26361-F2848-E31 (only for OBDR)
DDS-G5 for One buttom dis. recov.
36GB, 3MB/s, U2W **SCSI**
Connector: HD68
without cable
incl. description (Ger/US)
data and cleaning cartridge
1.6 * 5.25", anthracite bezel
max. 1x per system

S26361-F3325-E3
Tape drive DDS Gen6 USB 5.25"
80GB, 6MB/s, **USB 2.0**
Connector: USB "B"
incl. description (Ger/US)
data and cleaning cartridge
1.6 * 5.25", anthracite bezel
max. 1x per system

S26361-F3324-E3
Tape drive DDS Gen5 USB 5.25"
36GB, 3MB/s, **USB 2.0**
Connector: USB "B"
incl. description (Ger/US)
data and cleaning cartridge
1.6 * 5.25", anthracite bezel
max. 1x per system

S26361-F3857-E1
RDX drive USB 5.25" internal
80-160GB, 25MB/s, **USB 2.0**
Connector: USB "B"
incl. description (Ger/US)
without RDX cartridges
1.6 * 5.25", anthracite bezel
max. 1x per system

For later installation
of DDS Drives use
S26361-F3324-L4

SCSI Controller for external backup drives (PRIMERGY SX10)

S26361-F3270-E1
SCSI U320 Controller
Adaptec SCSI Card ASC-29320LPE (Colonial)
1 channel: LVD
LVD connect. for HD, without cable
PCIe
max. 1x per system

RDX cartridges must be ordered separately
RDX 80GB = S26361-F3857-L80
RDX 160GB = S26361-F3857-L160
RDX 320GB = S26361-F3857-L320

SAS Controller for external backup drives (FiberCat TXF)

as soon as available

S26361-F3271-E1
8port SAS
LSI3442E
4port intern, 4port extern
PCIe

max. 1x per system

H

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SAS/SATA LFF (3.5") Base Units: SAS HDD Require SAS Controller! see section VIII internal Disk Array

ℹ There is a 6 port SATA controller in the Base Unit.
Up to 4 SATA LFF (3.5") hard disks can be configured.
Mixed Configurations are not supported in SATA base units.

If you need SAS, you can choose between two type of 8 port SAS controller to enable the Base Unit.
Up to 4 SAS or SATA LFF (3.5") hard disks can be configured.
If LFF SAS HDD Extension Box, Option C is used up to 6 SAS or SATA LFF (3.5") hard disks can be configured.
Mixed Configurations of SAS and SATA HDDs connected to the same Backplane are not supported.
If you need to run Mixed Configurations:
- order the SATA drives needed as L-Number
- make shure SAS and SATA drives are not used on the same Backplane

ℹ Hot replace is only possible running RAID.

as soon as available

4x/6x

S26361-F3204-E573	S26361-F3204-E514	S26361-F3204-E530	S26361-F3204-E545
HD 73GB 15krpm 3.5"	HD 146GB 15krpm 3.5"	HD 300GB 15krpm 3.5"	HD 450GB 15krpm 3.5"
15.000rpm,<4ms, 8MB Cache	15.000rpm,<4ms, 8MB Cache	15.000rpm,<4ms, 8MB Cache	15.000rpm,<4ms, 8MB Cache
SAS 3Gb/s	**SAS 3Gb/s**	**SAS 3Gb/s**	**SAS 3Gb/s**
hot plug/hot replace tray	hot plug/hot replace tray	hot plug/hot replace tray	hot plug/hot replace tray
max. 4/6x per system	max. 4/6x per system	max. 4/6x per system	max. 4/6x per system

4x

S26361-F3218-E160
HD 160GB 7.2krpm 3.5"
7200rpm,<9.0 ms, 8MB Cache
SATA 3Gb/s
hot plug/hot replace tray
max. 2x per system

S26361-F3265-E250	S26361-F3265-E500	S26361-F3265-E750	S26361-F3265-E100
HD 250GB 7.2krpm 3.5"	HD 500GB 7.2krpm 3.5"	HD 750GB 7.2krpm 3.5"	HD 1TB 7.2krpm 3.5"
7200rpm,<9.0 ms, 8MB Cache	7200rpm,<9.0 ms, 8MB Cache	7200rpm,<9.0 ms, 8MB Cache	7200rpm,<9.0 ms, 8MB Cache
SATA 3Gb/s	**SATA 3Gb/s**	**SATA 3Gb/s**	**SATA 3Gb/s**
hot plug/hot replace tray	hot plug/hot replace tray	hot plug/hot replace tray	hot plug/hot replace tray
max. 2x per system	max. 2x per system	max. 2x per system	max. 2x per system

SAS SFF (2.5") Base Units: Requires SAS Controller! see section VIII internal Disk Array

ℹ you can choose between two type of 8 port SAS controller for the Base Unit.
Up to 8 SAS SFF (2.5") hard disks can be configured as standard.
Using the SFF SAS HDD Extension Box, Option D up to 16 SAS SFF (2.5") hard disks can be configured.
To use SFF SAS HDD Extension Box, Option D:
- make shure to configure the same type of controller for alle Backplanes

ℹ Hot replace is only possible running RAID.

8/16x

S26361-F3208-E173	S26361-F3208-E114
HD 73GB 10krpm 2.5"	HD 146GB 10krpm 2.5"
10000rpm,<4,5ms, 8MB Cache	10000rpm,<4,5ms, 8MB Cache
SAS 3Gb/s	**SAS 3Gb/s**
hot plug/hot replace tray	hot plug/hot replace tray
max. 8/16x per base unit	max. 8/16x per base unit

I

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Section	**VII**	**External SAS Disk Array**

SAS RAID controller for JBOD subsystems (SX40)

S26361-F3215-E1

8 port SAS RAID Controller

LSI "Perseus"

MegaRAID SAS 8344 ELP

256MB Cache with ECC

optional BBU

SAS 3Gb/sec

4 internal / 4 port external

PCIe x4, 198mm

full height bracket

max. 1x per system

S26361-F3257-E55

Cache Battery Backup Unit

max. 1x per Controller

ℹ️ It is only a maximum cable length of 2m supported

ℹ️ BBU max. 2x per system possible for loose delivery please order **S26361-F3257-L10**

S26361-F3890-E1	**S26361-F3890-E10**
8 port SAS RAID Controller	8 port SAS RAID Controller
LSI	LSI
MegaRAID SAS8880E	MegaRAID SAS8880E
512MB Cache with ECC	512MB Cache with ECC
RAID 0, 1, 10, 5, 50, 6 & 60	RAID 0, 1, 10, 5, 50, 6 & 60
without iBBU	with iBBU
SAS 3Gb/sec	SAS 3Gb/sec
8 port external	8 port external
PCIe x4, 167mm	PCIe x4, 167mm
low profile bracket	low profile bracket
max. 1x per system	max. 1x per system

J

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Section   VIII   internal Disk Array

SATA Configuration

🛈 SATA Base Units contain a 6-port on-board SATA controller supporting RAID Levels 0, 1
RAID 5 requires a FW-Extension option (iButton)

S26361-F3217-E100

SATA Software RAID5 LSI

LSI MegaSR

enabling key

SATA 3Gb/sec

internal SATA port only

uses SATA ports of Southbridge

max. 1x per system

SAS Configuration

🛈 you can choose between two type of 8 port SAS controller for the Base Unit:
- LSI 1068e based Modular RAID 0,1 (IME)
- LSI 1078 based Modular RAID 5,6
if you want to use SAS harddisks one Controller is required

Controller for 1 to 8 LFF (3.5") or SFF (2.5") HDD

S26361-F3257-E8	**S26361-F3257-E256**	**S26361-F3257-E512**
8 port SAS RAID Controller	8 port SAS RAID Controller	8 port SAS RAID Controller
LSI	LSI	LSI
MegaRAID SAS 1068	MegaRAID SAS 1078	MegaRAID SAS 1078
RAID 0, 1 & 1E	256MB Cache with ECC	512MB Cache with ECC
no controller cache	optional BBU	optional BBU
SAS 3Gb/sec	SAS 3Gb/sec	SAS 3Gb/sec
8 internal ports	8 internal ports	8 internal ports
PCIe x4, 160mm	PCIe x4, 160mm	PCIe x4, 160mm
with combi bracket	with combi bracket	with combi bracket
max. 2x per system	max. 2x per system	max. 2x per system

2x

🛈 The "SFF HDD extension Box"
requires an
"MegaRAID SAS" controller

S26361-F3257-E55

Cache Battery Backup Unit

max. 1x per Controller

🛈 BBU max. 2x per system possible
for loose delivery please order
S26361-F3257-L10

🛈 For later conversion from SATA to SAS infrastructure
if you upgrade a SATA System to SAS using L-Order Codes for the above MegaRAID SAS Controllers you will
need to order the cable T26139-Y3969-L201 for connection of the internal DVD drive additionally.

K

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Section   IX   Fibre Channel

S26361-F3864-E1

4GBit/s FC Controller

Emulex

LPe111, full height bracket

1 channel 4GBit/sec FC Controller

LC Interface for 50µm Fiber

PCIe x4, 170mm

max. 2 per system

2x

S26361-F3306-E1	**S26361-F3306-E2**
4GBit/s FC Controller	4GBit/s FC Controller
Emulex	Emulex
LPe1150, full height bracket	LPe11002, full height bracket
1 channel 4GBit/sec FC Controller	2 channel 4GBit/sec FC Controller
LC Interface for 50µm Fiber	LC Interface for 50µm Fiber
PCIe x4, 170mm	PCIe x4, 170mm
max. 2x per system	max. 2x per system

S26361-F3483-E1	**S26361-F3483-E2**
4GBit/s FC Controller	4GBit/s FC Controller
Qlogic	Qlogic
QLE2460, full height bracket	QLE2462, full height bracket
1 channel 4GBit/sec FC Controller	2 channel 4GBit/sec FC Controller
LC Interface for 50µm Fiber	LC Interface for 50µm Fiber
PCIe x4, 170mm	PCIe x4, 170mm
max. 2x per system	max. 2x per system

S26361-F3961-E1	**S26361-F3961-E2**
8GBit/s FC Controller	8GBit/s FC Controller
Emulex	Emulex
LPe1250, full height bracket	LPe12002, full height bracket
1 channel 8GBit/sec FC Controller	2 channel 8GBit/sec FC Controller
LC Interface for 50µm Fiber	LC Interface for 50µm Fiber
PCIe x4, 170mm	PCIe x4, 170mm
max. 2x per system	max. 2x per system

ℹ No mix and match for different Fibre Channel controllers families supported
- parallel usage of LPe1150 and LPe11002 Emulex PCIe Controller is supported
- parallel usage of QLE2460 and QLE2462 Qlogic PCIe Controller is supported

ℹ All controllers for the connection of external storage systems are delivered without cables.
For the configuration of external cabling see the configurator for external storage systems.

ℹ For Fibre Channel SAN also other componets like switches, SFPs and optical wires are
orderable (for details see price liste)

L

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Section   **X**   **Communication / Network**

1x on-board LAN Controller

Gigabit Ethernet Controller on-board
1GBit Bcom 5708
Server Adapter with ToE
ext: for RJ 45 connector
SW: AFT, VLAN, Fast Channel

Teaming: Failover, Load Balancing
The Intel LAN Controllers 1000TX and 1000SX
can be used with the on-board controller in Teaming Mode.

A) PCI / PCI-X Adapters with Teaming capability 10-1000TX /SX

S26361-F3054-E1	**S26361-F3053-E1**	**S26361-F3142-E2**
Gigabit Ethernet Contr. 1000SX	Gigabit Ethernet Controller 1000TX	Gigabit Ethernet Controller 1000TX
Eth. Ctrl 1x1Gbit PCI-X Pro/1000MF LC	Eth Ctrl 1x1Gbit PCI-X Pro/1000MT Cu	Eth Ctrl 1x1Gbit PCI32 PRO/1000GT Cu
Intel PRO/1000 MF Server Adapter	Intel PRO/1000 MT Server Adapter	Intel Pro/1000 GT Desktop Adapter
PCI-X (PCI64/133), min 165 mm	PCI-X (PCI64/133)	PCI 32 (33/66MHz),
ext:LC-connector	ext: for RJ45-connector, Cat 5	ext: for RJ45-connector, Cat 5
max. 2x per system	max. 2x per system	max. 2x per system

B) Dual Port PCI-X Adapter 1000TX

S26361-F3227-E2   respin
Gigabit Ethernet Controller Dual 1000TX
Eth Ctrl 2x1Gbit PCI-X PRO/1000GT Cu
Intel Pro/1000GT Dual Port Server Ad.
PCI-X (PCI64/133)
ext: for RJ45-plug, Cat 5
max. 2x per system

C) PCI-Express Adapter 1000TX/SX

S26361-F3241-E1	**S26361-F3242-E1**	**S26361-F3228-E1**
Gigabit Ethernet Contr. 1000TX	Gigabit Ethernet Contr. 1000SX	Gigabit Ethernet Controller Dual 1000TX
Eth Ctrl 1x1Gbit PCI-e Pro/1000PT Cu	Eth Ctrl 1x1Gbit PCI-e Pro/1000PF LC	Eth. Ctrl 2x1Gbit PCIe PRO/1000PT Cu
Intel PRO/1000 PT Server Adapter	Intel PRO/1000 PF Server Adapter	Intel Pro/1000PT dual Port Server Adapter
PCIe x1	PCIe x4	PCIe x4
ext: for RJ45-connector, Cat 5	ext:LC-connector	ext: for RJ45-plug, Cat 5
max. 2x per system	max. 2x per system	max. 2x per system

S26361-F3516-E1
Gigabit Ethernet Controller 1000TX
Eth Ctrl 1x1Gbit PCI-e Gigabit CT DT Cu
Intel® Gigabit CT Desktop Adapter
PCIe x1
ext: for RJ45-connector, Cat 5
max. 4x per system

D) Quad Port PCIe Adapter 1000TX

S26361-F3462-E1
Gigabit Ethernet Controller Quad 1000TX
Eth Ctrl 4x1Gbit PCI-X PRO/1000PT Cu
Intel Pro/1000PT Quad Port Server Ad.
PCIe x4
ext: for RJ45-plug, Cat 5
max. 2x per system

4x

M

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Section	XI	System Management Produkts (RemoteView)

S26361-F1790-E241

iRMC2 advanced pack

integrated remote management controller

activation key for

graphical console redirection

and remote media redirection

max. 1x per system

S26361-F1790-E221

RemoteView Software V5.0

Installation and configuration of

RemoteView Web and LAN FrontEnd

BMC-Manager, RTDS and FreeDOS

Online manuals

Section	XII	Miscellaneous

S26361-F2814-E58

Centronics Parallel Port Option

Kit with cable and 25pin connection

for Parallel Interface (LPT)

max. 1x per system

S26361-F3273-L1

PCIe Performace Adapter

combines two PCIe x4 slots into one x8

to be used in slot#2 and #7 only

max. 2x per system

no E1 order number available

N

Section	**XIII**	**Country specific power cord**

A power cord has to be ordered for country specific floorstand versions:
- **once per basic unit and additional a second power cord**
- **if an additional hot plug, redundant power supply modul is ordered**

PRIMERGY TX200 S4 Floorstand

PRIMERGY TX200 S4 19" Rack

Power cord for floorstand versions for following countries:
1.8m, grey

2x

T26139-Y1740-E10	D, A, B, F, NL, FIN, N, S, E, P, RUS, TR
T26139-Y1742-E10	USA, Canada
T26139-Y1743-E10	Switzerland
T26139-Y1744-E10	UK, IR
T26139-Y1745-E10	Italy
T26139-Y1746-E10	Denmark
T26139-Y3850-E10	Option "no powercord", for Countries without specific cable orderable like e.g. China

**Country specific power cords are not
required for rack versions.
Power cords are shipped in all rack
versions with inlet connector for non-heating
apparatus. (1x with Standard PSU,
2x with hot plug upgrade)**

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

Option for floorstand

keyboards for floorstand versions for following countries:

S26381-K397-E110	USA / international
S26381-K397-E120	Germany
S26381-K397-E140	France
S26381-K397-E155	Sweden / Finland
S26381-K397-E165	United Kingdom
S26381-K397-E180	Spain
S26381-K397-E185	Italy

USB Keyboard: S26381-K340-E120
KBPC PX D, professional keyboard

Power cord for optional monitor connection for the following countries:
1.8m, grey

T26139-Y1740-L10	D, A, B, F, NL, FIN, N, S, E, P, RUS, TR
T26139-Y1742-L10	US, CDN
T26139-Y1743-L10	Switzerland
T26139-Y1744-L10	UK, IR
T26139-Y1745-L10	Italy
T26139-Y1746-L10	Denmark

Attention: For connection of a monitor
to the system an additional country
specific power cord has to be
ordered as option.

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

End PRIMERGY TX200 S4

Change Report

Date	Order number	Changes
2008-10-28	S26361-F3257-E4	4 port SAS RAID Controller - as soon as available
2008-10-28	S26361-F3963-E3	Tape drive LTO4HH Ultrium - as soon as available
2008-10-28	S26361-F3225-E3	Tape drive DDS Gen6 - as soon as available
2008-10-28	S26361-F3964-E3	Tape drive LTO2HH Ultrium LC - as soon as available
2008-10-28	S26361-F3157-E3	Tape Kit LTO2HH Ultrium 200GB no longer available
2008-10-25	S26361-F3516-E1	Gigabit Ethernet Controller 1000TX - as soon as available
2008-09-30	S26361-F3265-E100	HD SATA 3Gb/s 1TB 7.2k hot plug 3.5" - as soon as available
2008-09-27	S26361-F3961-E2	2 channel 8GBit/sec FC Controller now available
2008-09-27	S26361-F3961-E1	1 channel 8GBit/sec FC Controller now available
2008-09-01	S26361-F3531-E1	Blu-ray Combo drive HH SATA Low Profile now available
2008-09-01	S26361-F3530-E1	Blu-ray Combo drive HH SATA now available
2008-07-14	S26361-F3204-E545	HD 450GB 15krpm 3.5" - as soon as available
2008-07-08	S26361-F3890-E10	new 8 port SAS RAID Controller with iBBU - as soon as available
2008-07-08	S26361-F3890-E1	new 8 port SAS RAID Controller without iBBU - as soon as available
25.06.2008	S26361-F3204-E130	HD SAS 3Gb/s 300GB 10k hot plug 3.5" no longer available
29.05.2008	S26361-F3343-E200	Xeon DP L5335 (2.00GHz/2x4M/1333) / 50W no longer available
11.03.2008	S26361-F3204-E173	no longer available
11.03.2008	S26361-F3204-E114	no longer available
2008-02-27	S26361-F3343-E250	new Low Voltage Quad-Core CPU (2.50GHz 2x6M/1333) / 50W - as soon as available
2008-02-27	S26361-F3343-E233	new Low Voltage Quad-Core CPU (2.33GHz 2x6M/1333) / 50W - as soon as available
2007-11-21		First Draft