



PRIMERGY TX2540 M1

System configurator and order-information guide

June 2014

Contents

Instructions

Configuration diagram

Configurator

- I Basic unit
- II Processor
- III Memory
- IV Graphics
- V Accessible drives
- VI Hard disk drives
- VII External SAS or SCSI Disk Array
- VIII Internal Disk Array
- IX Fiberchannel
- X Communication/Network
- XI System Management Products (RemoteView)
- XII Miscellaneous
- XIII Country specific power cord

Change report

PRIMERGY Server



Instructions

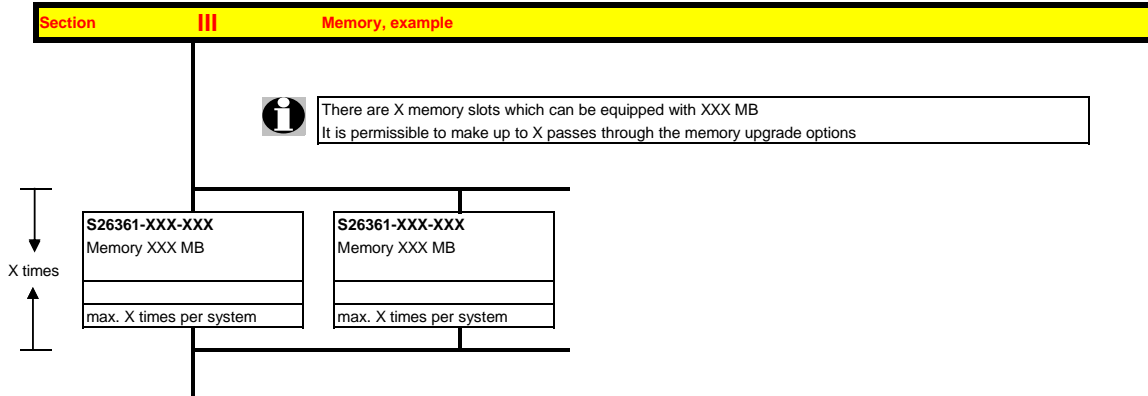
This document contains basic product and configuration information that will enable you to configure your system via PC-/System-Architect

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

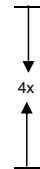
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

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:

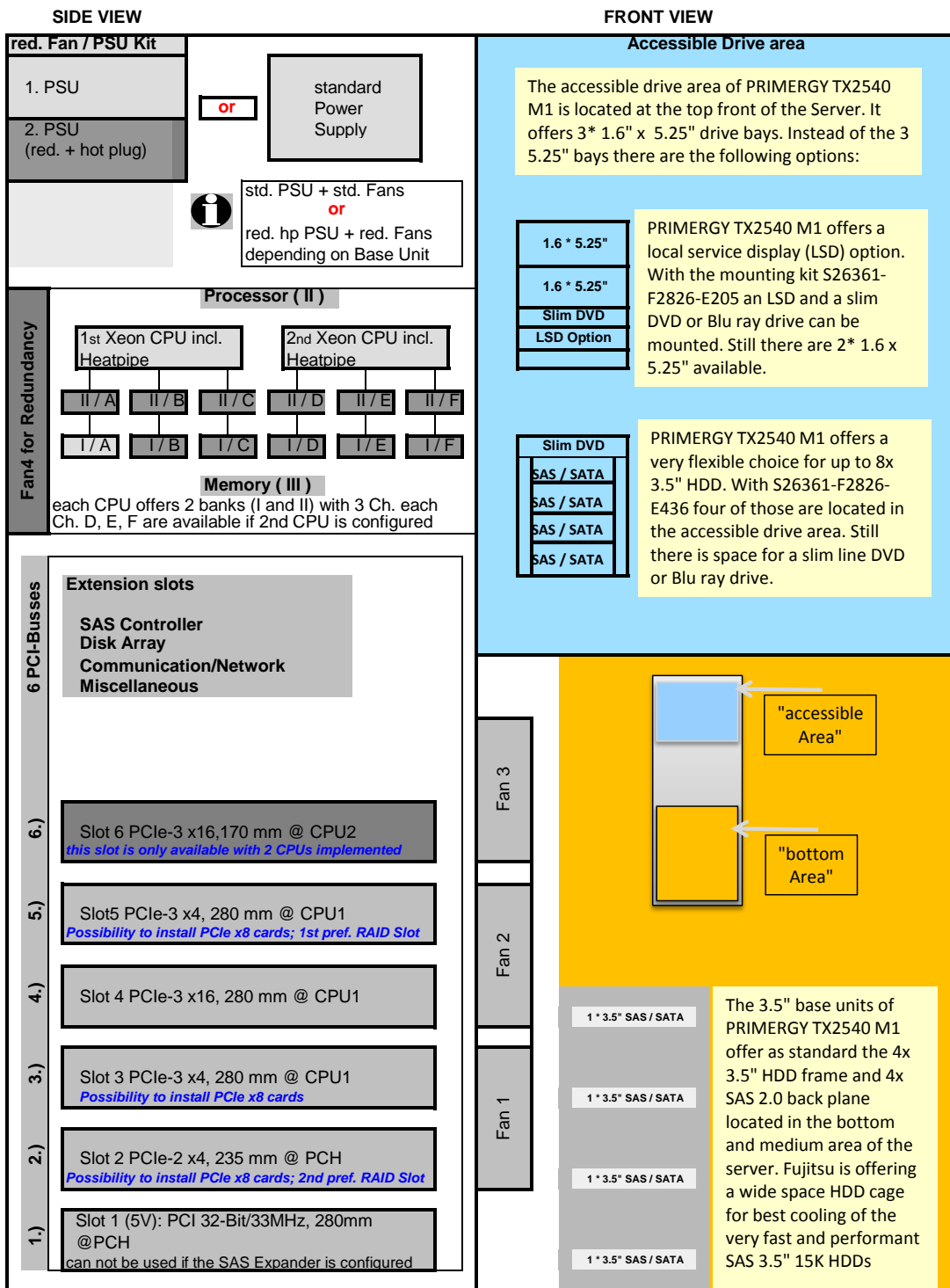
http://ts.fujitsu.com/products/standard_servers/index.html (internet)

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 TX2540 M1 SATA LFF (3.5") System Unit

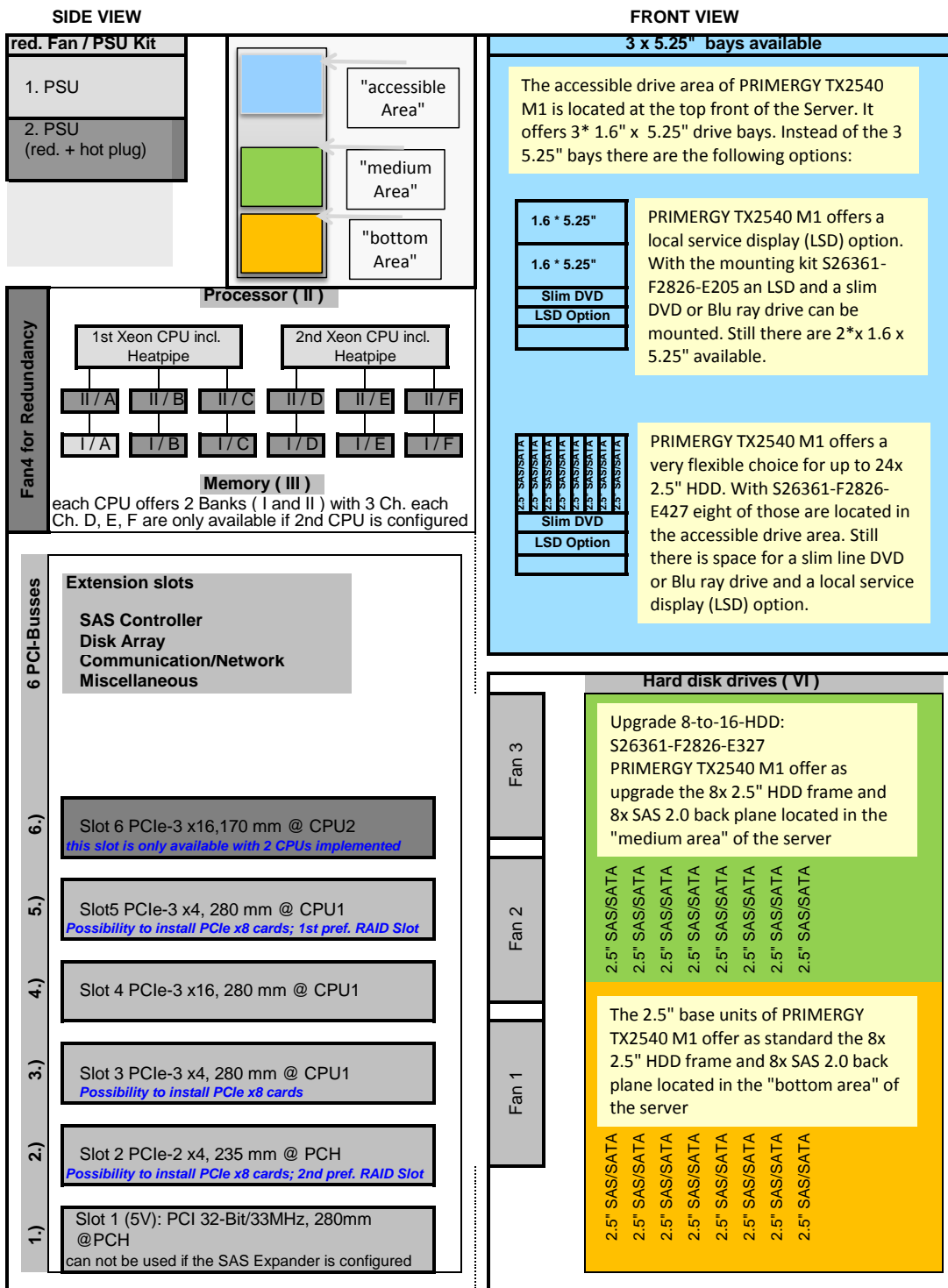
System unit (I)



Key:
 Included in basic unit
 Option

Configuration diagram PRIMERGY TX2540 M1 SFF (2.5") System Unit

System unit (I)



Key:

- ☐ Included in basic unit
- ☐ Option

Start PRIMERGY TX2540 M1

Section I -- Base unit

Tower or Rack Server base unit including:

Systemboard D3099-B
 Intel® C600 Series Platform Controller Hub (codename Patsburg)
 supports up to two Xeon E5-2400 v2 series (up to 10 cores, socket LGA1356) with 1 serial QPI link (Quick Path Interconnect)

12 DIMM sockets supporting up to 192GB DDR3 (up to 1600MHz) (Chipset can support up to 768GB, release pending)

iRMC S4 (integrated Remote Management Controller) on-board server management controller with dedicated 10/100/1000 Service LAN-port (with Realtek Phy 8211E) and integrated graphics controller (max. Resolution: 1920 x 1080 at 16 bpp)
 The Service LAN-port can be switched alternatively on standard Gbit LAN port

6 PCIe slots
 - 1x PCIe-3 *16 (only with CPU2)
 - 1x PCIe-3 *16
 - 2x PCIe-3 *4 (mechanical *8)
 - 1x PCIe-2 *4 (mechanical *8)
 - 1x PCI 32Bit 33MHz (support for 3.3V and 3.3+5V; ! no support of 5V-only cards)

* 1x RS-232-C (serial, 9pin) (usable for BMC or OS or shared)
 * 1x VGA (15 pin)
 * 9x USB 2.0 (UHCI) with 480Mbit/s (4x external rear, 2x external front, 3x on Board for backup, CCR, UFM)
 * 2x LAN RJ45, 1x Service-LAN RJ45

4-port SATA 2.0 controller (SW-RAID 0,1,5, 10) or optional 4 ports for SAS RAID 0/1 (Licence Key required)
 2-port SATA 3.0 controller
 2x1 Gbit Ethernet LAN on board (Intel i210) supporting iSCSI boot option in System BIOS

two lockable front covers (Tower only)
 backplane with 4 (LFF) or 8 (SFF) bays for hot-plug HDs
 3 bays 5.25" for accessible drives (half height)

Standard power supply unit (PSU) 800W, up to 90% efficiency ("80-plus")
 Modular hot plug power supply unit 450W up to 94% efficiency (platinum)
 Modular hot plug power supply unit 800W up to 94% efficiency (platinum)
 Modular hot plug power supply unit 800W up to 96% efficiency (titanium)

3 x 120mm System fan (No hot-plug, no redundancy) - option for a 4th fan for N+1 redundancy

Software
 ServerView Suite DVD Pack incl. Installation SW, Management SW and Serviceability SW

| Floorstand System | |
|--|--------------------------|
| LFF Base Unit standard | S26361-K1463-V101 |
| - 3 std fans and std PSU - 4-port SAS backplane for 4x 3.5" hot plug SAS or SATA HDs incl. cables for connection to the modular or onboard controllers | |
| LFF Base Unit redundant | S26361-K1463-V201 |
| - 3 std fans plus 1 std fan for redundancy - 1 hp PSU has to be added - 4-port SAS backplane for 4x 3.5" hot plug SAS or SATA HDs incl. cables for connection to the modular or onboard controllers | |
| SFF Base Unit redundant | S26361-K1463-V401 |
| - 3 std fans plus 1 std fan for redundancy - 1 hp PSU has to be added - 8-port SAS backplane for 8x 2.5" hot plug SAS or SATA HDs incl. cables for connection to the modular RAID controllers | |

| Rack System | |
|--|--------------------------|
| LFF Base Unit redundant | S26361-K1463-V601 |
| - 3 std fans plus 1 std fan for redundancy - 1 hp PSU has to be added - 4-port SAS backplane for 4x 3.5" hot plug SAS or SATA HDs incl. cables for connection to the modular or onboard controllers | |
| SFF Base Unit redundant | S26361-K1463-V801 |
| - 3 std fans plus 1 std fan for redundancy - 1 hp PSU has to be added - 8-port SAS backplane for 8x 2.5" hot plug SAS or SATA HDs incl. cables for connection to the modular RAID controllers | |

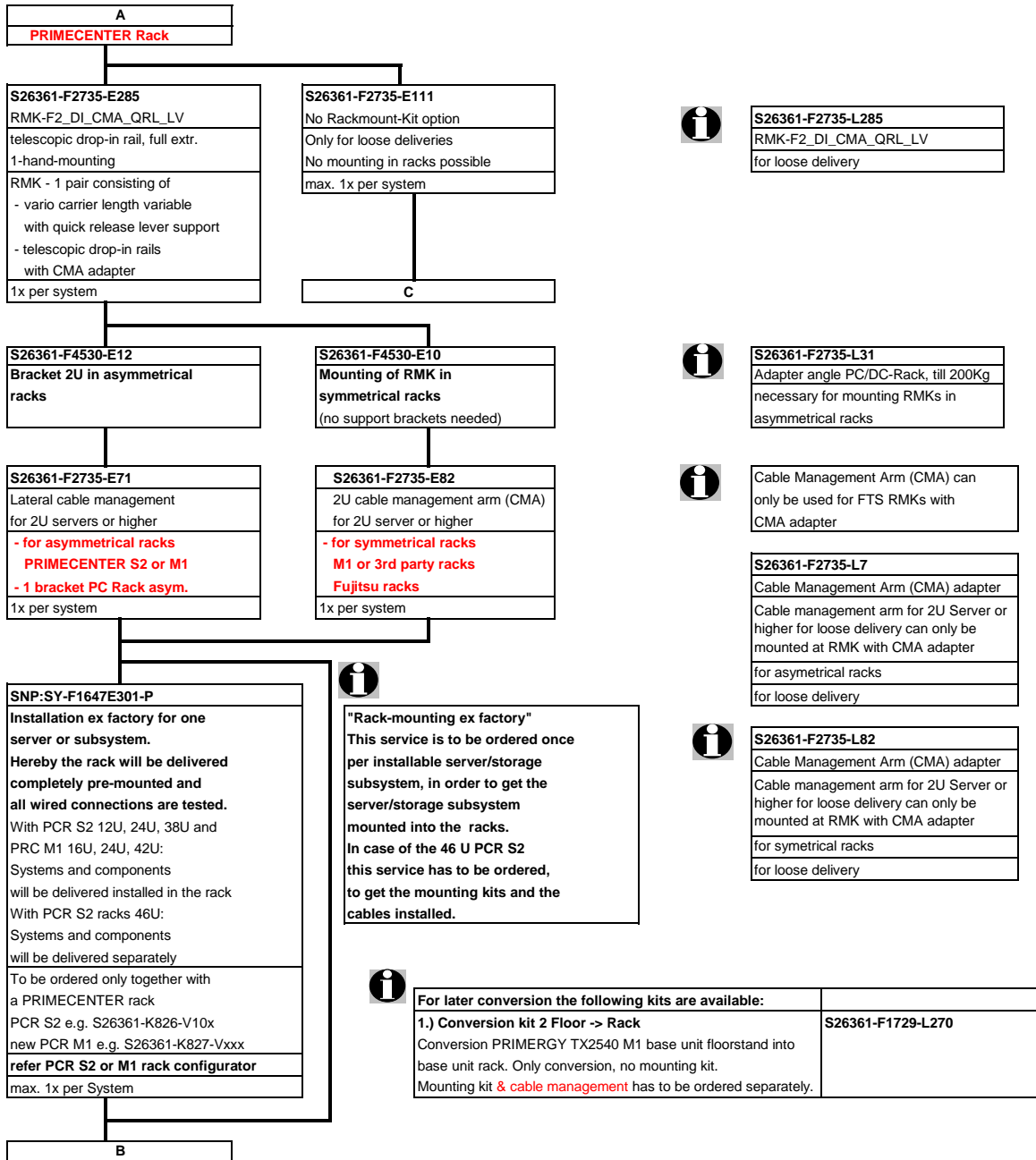
| |
|---|
| S26361-F3552-E6 |
| TPM Module |
| Trusted Platform Module. Use according to import restrictions |
| max. 1x per system |

B

| |
|---|
| S26361-F3552-E6 |
| TPM Module |
| Trusted Platform Module. Use according to import restrictions |
| max. 1x per system |

A

| |
|---|
| S26361-F3552-L6 |
| TPM Module |
| Trusted Platform Module. Use according to import restrictions |
| max. 1x per system |



*** 110V range not supported**

| | | | | |
|-------------------|--|--|---|---|
| B ↓ 2x ↑ | S26113-F575-E12 450W PSU module platinum 1st or 2nd PSU for redundancy 94% efficiency (platinum) uses hot plug PSU slot min. 1 / max. 2x per system | S26113-F574-E12 800W PSU module platinum 1st or 2nd PSU for redundancy 94% efficiency (platinum) uses hot plug PSU slot min. 1 / max. 2x per system | as soon as available S26113-F615-E10* 800W PSU module titanium 1st or 2nd PSU for redundancy 96% efficiency (titanium) uses hot plug PSU slot min. 1 / max. 2x per system | S26113-F574-E99 Dummy PSU If 1x PSU is configured 1x Dummy PSU is required covers hole max. 1x per system |
|-------------------|--|--|---|---|

| | |
|--|-----------------|
| For later upgrades the following kits are available: | |
| 1 power supply module 450W hot plug: Platinum, Supplementary module | S26113-F575-L12 |
| 1 power supply module 800W hot plug: Platinum, Supplementary module | S26113-F574-L12 |
| 1 power supply module 800W hot plug: Titanium, Supplementary module | S26113-F615-L10 |
| Attention: There is no power cable included! | |

We recommend to calculate the maximum power requirement for your specific configuration (power calculator). For most configurations the 450W PSU is sufficient.
 In case of too high power load anyway Power Safeguard will throttle CPU and therefore can avoid system overload.

| | |
|---|-----------------|
| Std to Redundant Upgrade Kit consisting of a redundant PSU cage and backplane AND a 4th fan for fan redundancy Does not contain any PSU module | S26361-F3699-L1 |
|---|-----------------|

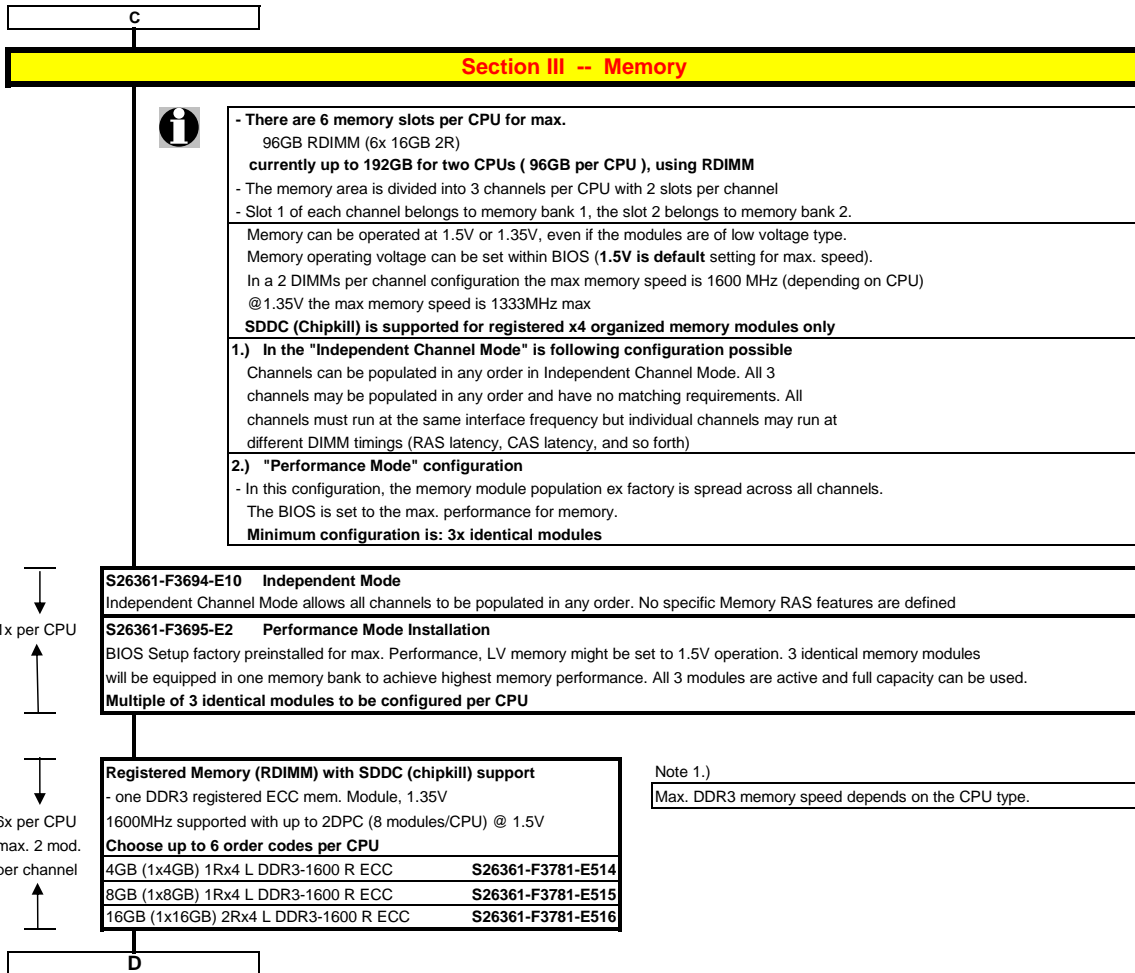
For redundant floorstand versions only (V201 and V401)
 A second, redundant power supply requires an additional country specific power cord (section XIII)

Section II -- Processors

There are 2 processor sockets available.
 The first socket must always be 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

| | |
|--|-------------------|
| Max. two CPUs can be selected per basic unit | |
| One of following CPUs has to be selected as first CPU | |
| for an orderable basic unit | |
| Optional second CPU has to be the same type like the first CPU | |
| Basic 4C CPUs | |
| - 1x 64-bit Intel Xeon (10MB shared TLC = Third Level Cache) 1333 MHz DDR3 Bus, 6,40 GT/s QPI Bus and passive heat sink occupies socket for one CPU | |
| Xeon E5-2403v2 4C/4T 1.80GHz 10MB 6.40GT/s 1333MHz 80W | S26361-F3828-E180 |
| Xeon E5-2407v2 4C/4T 2.40GHz 10MB 6.40GT/s 1333MHz 80W | S26361-F3828-E240 |
| Standard Turbo 6/8C CPUs | |
| - 1x 64-bit Intel Xeon (15/20MB shared TLC = Third Level Cache); Hyper-Threading (HT); 1600 MHz DDR3 Bus, 7,20 GT/s QPI Bus and passive heat sink occupies socket for one CPU | |
| Xeon E5-2420v2 6C/12T 2.20GHz 15MB 7.20GT/s 1600MHz 80W | S26361-F3829-E220 |
| Xeon E5-2430v2 6C/12T 2.50GHz 15MB 7.20GT/s 1600MHz 80W | S26361-F3829-E250 |
| Xeon E5-2440v2 8C/16T 1.90GHz 20MB 7.20GT/s 1600MHz 95W | S26361-F3829-E190 |
| Advanced Turbo+ 8C/10C CPU | |
| - 1x 64-bit Intel Xeon (20MB shared TLC = Third Level Cache); Hyper-Threading (HT); 1600 MHz DDR3 Bus, 8,00 GT/s QPI Bus and passive heat sink occupies socket for one CPU | |
| Xeon E5-2450v2 8C/16T 2.50GHz 20MB 8.00GT/s 1600MHz 95W | S26361-F3830-E250 |
| Xeon E5-2470v2 10C/20T 2.40GHz 25MB 8.00GT/s 1600MHz 95W | S26361-F3830-E240 |
| Low Power 6C CPU | |
| - 1x 64-bit Intel Xeon (15MB shared TLC = Third Level Cache); Hyper-Threading (HT); 1333 MHz DDR3 Bus, 7,20 GT/s QPI Bus and passive heat sink occupies socket for one CPU | |
| Xeon E5-2430Lv2 6C/12T 2.40GHz 15MB 7.20GT/s 1600MHz 60W | S26361-F3831-E240 |

C



Memory Configuration PRIMERGY TX2540 M1

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

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

Depending on the amount of memory configured you can decide between 2 basic modes of operation (see explanation below).

| Mode | Configuration | RDIMM | Application |
|--------------------------|----------------------------|-------|---|
| | | x4 | |
| SDDC (chipkill) support | any | yes | detect multi-bit errors |
| Independant Channel Mode | 1, 2 or 3 Modules per Bank | yes | offers max. flexibility, upgradeability, capacity use UDIMM modules for lowest cost |
| Performance Mode | 3 identical Modules / Bank | yes | offers maximum performance and capacity |

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

| Capacity | Configuration | RDIMM | Notes |
|------------------------|---------------------|-------|-----------------------------|
| Min. Memory per CPU | 1 Module / CPU | 4GB | with one CPU |
| Max. Memory per CPU | 6 Modules / CPU | 96GB | with one CPU |
| Max. Memory per System | 12 Modules / System | 192GB | if second CPU is configured |

Memory-Speed:

Max. DDR3 memory speed depends on the speed of the CPU

Real maximum memory-bus speed depending on CPU type and voltage setting (BIOS; default is 1.5V)

| Mem. Speed provided by CPU | RDIMM 1600MHz | | | |
|----------------------------|---------------|------|-------|------|
| | 1.5V | | 1.35V | |
| Voltage setting (BIOS) | 1 | 2 | 1 | 2 |
| DIMM per Channel (DPC) | 1 | 2 | 1 | 2 |
| CPU with 1600MHz DDR3 Bus | 1600 | 1600 | 1333 | 1333 |
| CPU with 1333MHz DDR3 Bus | 1333 | 1333 | 1333 | 1333 |

Configuration hints:

- The memory sockets on the systemboard offer a color coding:

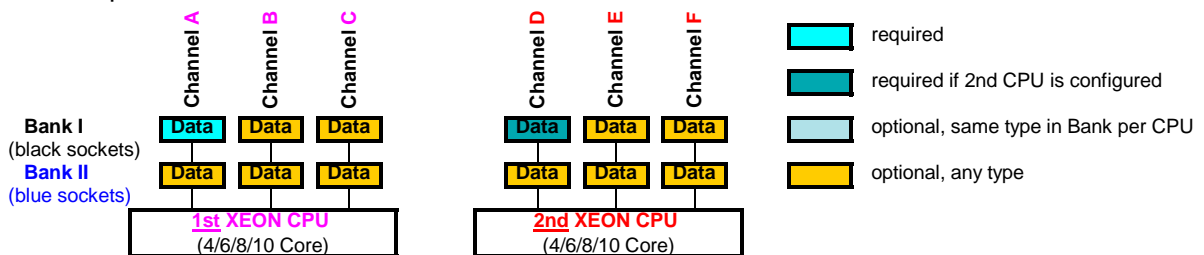
- Bank I** black sockets
- Bank II** blue sockets

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

- Bank I on CPU 1/2** up to 3 memory modules connected to Channel A - F on the 1st/2nd CPU
- Bank II on CPU 1/2** up to 3 memory modules connected to Channel A - F on the 1st/2nd CPU

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

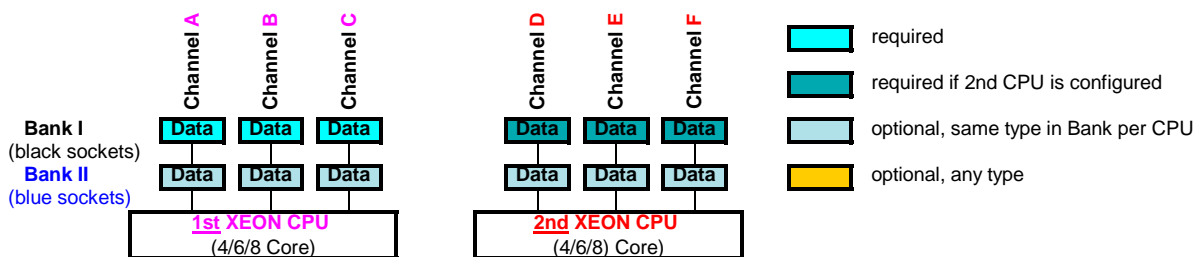
1. Independent Channel Mode



Independent Channel Mode allows all channels to be populated in any order

Can run with differently rated DIMMs and use the settings of the slowest DIMM installed in the system

2. 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 3 identical modules has to be ordered.

D

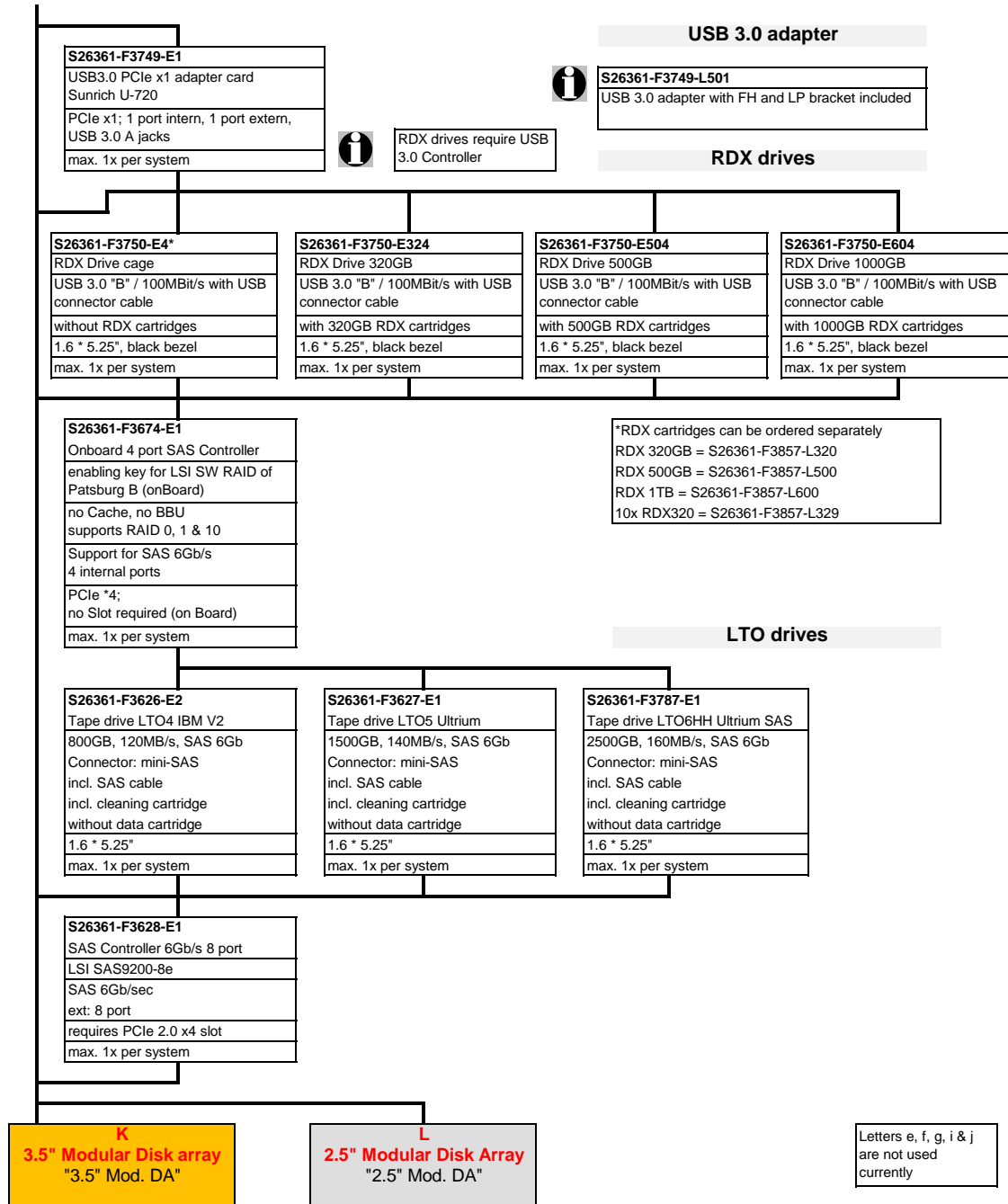
Section IV -- Graphics

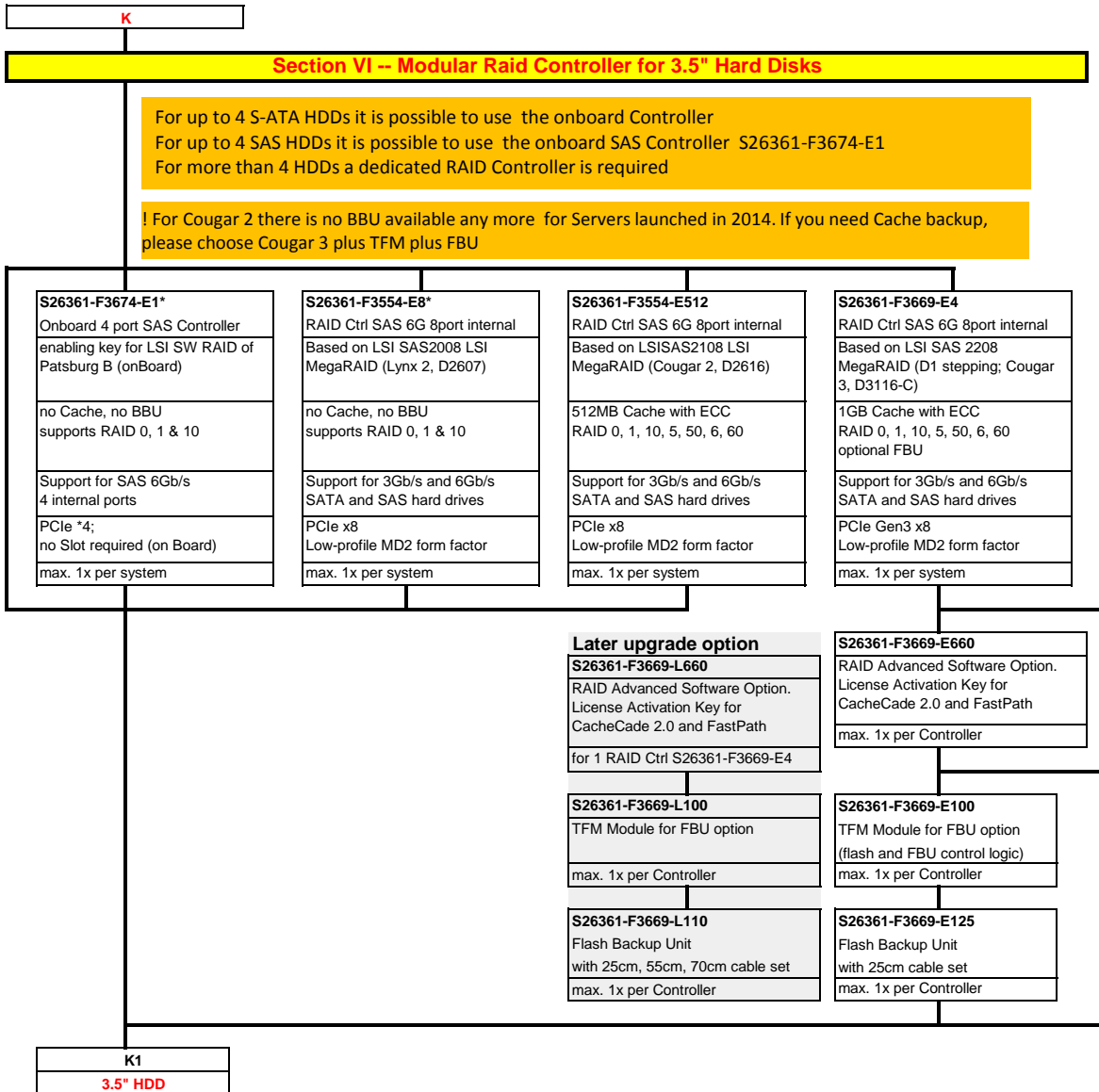
| | | | | | | | | | |
|--|---|----------------------------|--|-----------------------|--------------------------------|---|--------------------|---|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>S26361-F2748-E537</td></tr> <tr><td>PY VGA card 512MB PCI-e x1</td></tr> <tr><td>NVIDIA NVS300 512 MB PCIe-x1</td></tr> <tr><td>Connectors: 1x LFH 59</td></tr> <tr><td>cable kit for 2x DVI or 2x VGA</td></tr> <tr><td>supports dual head operation (2D & 3D); For Windows OS & native driver support for Linux. Full height bracket</td></tr> <tr><td>max. 1x per system</td></tr> </table> | S26361-F2748-E537 | PY VGA card 512MB PCI-e x1 | NVIDIA NVS300 512 MB PCIe-x1 | Connectors: 1x LFH 59 | cable kit for 2x DVI or 2x VGA | supports dual head operation (2D & 3D); For Windows OS & native driver support for Linux. Full height bracket | max. 1x per system |  <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p>Graphics Controller integrated in iRMC S4 supporting: 1920x1200x16bpp, 1920x1080x16bpp, 1600x1200x16bpp, 1680x1050x16bpp, 1440x900x16bpp, 1152x864x16bpp, 1280x1024x32bpp, 1024x768x32bpp, 800x600x32bpp, 640x480x32bpp</p> </div> | <div style="border: 1px solid black; padding: 5px;"> <p>The optional NVIDIA NVS300 graphic card offers dual head operation and 3D video support. The cables for either two times DVI-I or VGA (cable kit) connections are included. Remote Video redirection via iRMC must be disabled. This PCIe-x1 card can also be installed in any PCIe-x4, x8 or x16 slot.</p> </div> |
| S26361-F2748-E537 | | | | | | | | | |
| PY VGA card 512MB PCI-e x1 | | | | | | | | | |
| NVIDIA NVS300 512 MB PCIe-x1 | | | | | | | | | |
| Connectors: 1x LFH 59 | | | | | | | | | |
| cable kit for 2x DVI or 2x VGA | | | | | | | | | |
| supports dual head operation (2D & 3D); For Windows OS & native driver support for Linux. Full height bracket | | | | | | | | | |
| max. 1x per system | | | | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>S26361-F2748-L537</td></tr> <tr><td>PY VGA card 512MB PCI-e x1 for later upgrade</td></tr> </table> | S26361-F2748-L537 | PY VGA card 512MB PCI-e x1 for later upgrade | | | | | | |
| S26361-F2748-L537 | | | | | | | | | |
| PY VGA card 512MB PCI-e x1 for later upgrade | | | | | | | | | |

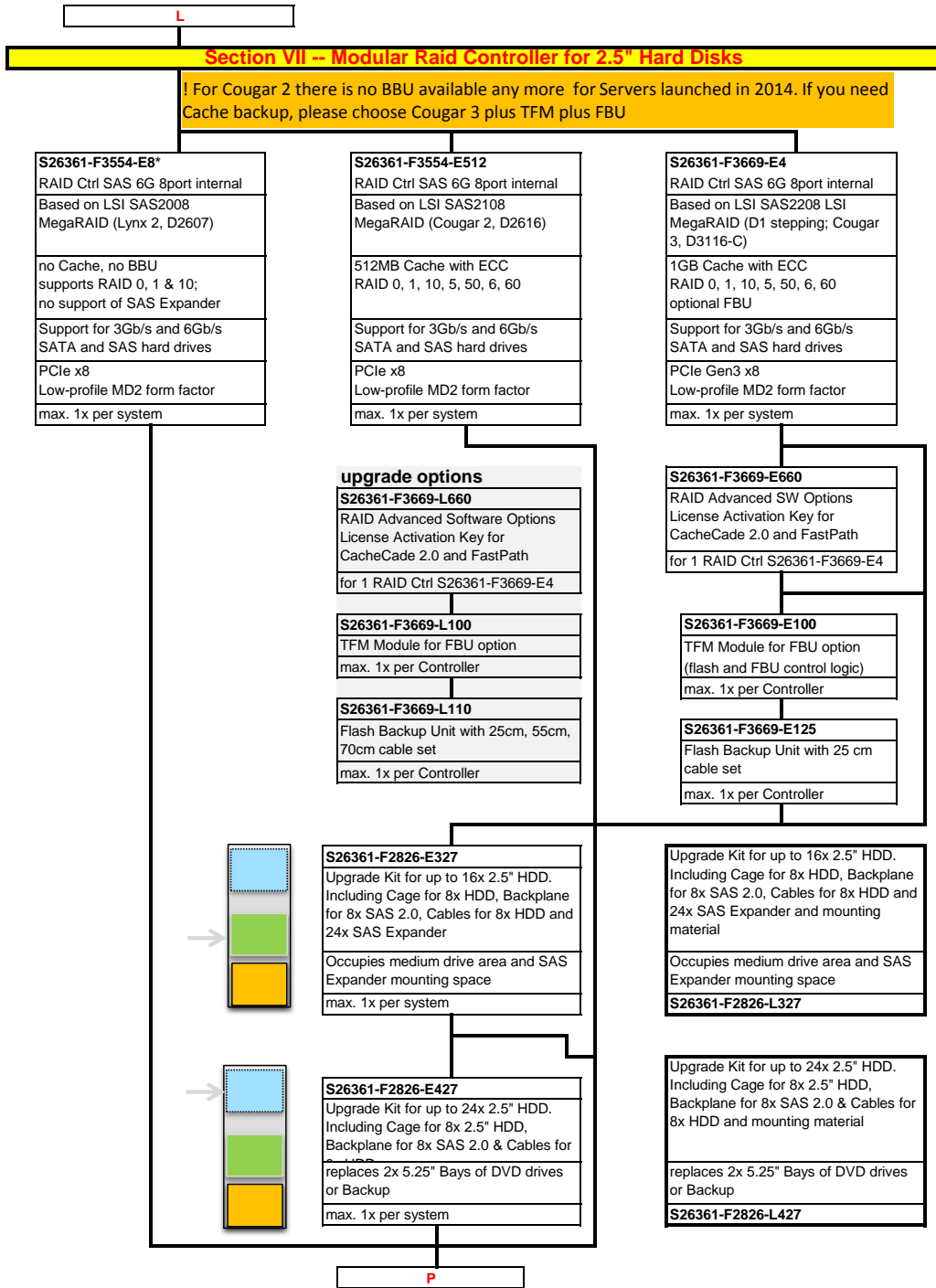
Section V -- accessible drives

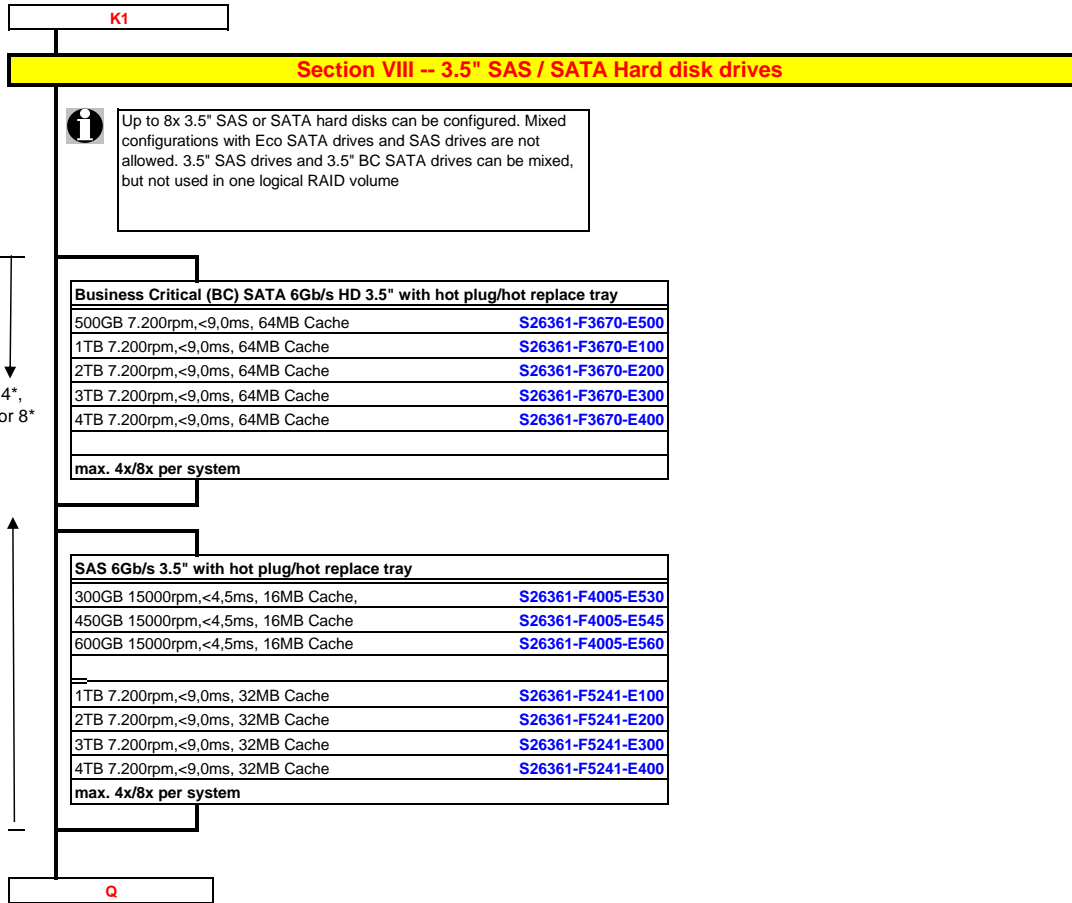
| | | | | | | | | | | | | | | | | | | | |
|--|--------------------------|-------------------------------------|---|--------------------------|------------------------|-----------------------------------|--------------------|---|--------------------------|--|--|------------------|-----------------------------------|--------------------------------|---|--------------------|--|--------------------------|---|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>S26361-F2826-E205</td></tr> <tr><td>upgrade kit DVD (slim) + LSD</td></tr> <tr><td>Occupies one 5.25" x 1.6" bay in the accessible bay area</td></tr> <tr><td>Offers bays for:</td></tr> <tr><td>- 1x LSD option</td></tr> <tr><td>- 1x 0.5" x 5.25" SATA DVD</td></tr> <tr><td>max. 1x per system</td></tr> </table> | S26361-F2826-E205 | upgrade kit DVD (slim) + LSD | Occupies one 5.25" x 1.6" bay in the accessible bay area | Offers bays for: | - 1x LSD option | - 1x 0.5" x 5.25" SATA DVD | max. 1x per system | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>S26361-F2826-E436</td></tr> <tr><td>Upgrade Kit for up to 8x 3.5" HDD & slim ODD</td></tr> <tr><td>Occupies all 5.25" x 1.6" bays in accessible drive area</td></tr> <tr><td>Offers bays for:</td></tr> <tr><td>- 1x 0.5" x 5.25" SATA DVD</td></tr> <tr><td>- 4x 3.5" SAS/SATA HDDs</td></tr> <tr><td>2x 3.5" satin black bezels for SAS HDD bays</td></tr> <tr><td>max. 1x per system</td></tr> </table> | S26361-F2826-E436 | Upgrade Kit for up to 8x 3.5" HDD & slim ODD | Occupies all 5.25" x 1.6" bays in accessible drive area | Offers bays for: | - 1x 0.5" x 5.25" SATA DVD | - 4x 3.5" SAS/SATA HDDs | 2x 3.5" satin black bezels for SAS HDD bays | max. 1x per system | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>S26361-F2826-L436</td></tr> <tr><td>Upgrade Kit for up to 8x3.5" HDD & slim ODD</td></tr> </table> | S26361-F2826-L436 | Upgrade Kit for up to 8x3.5" HDD & slim ODD |
| S26361-F2826-E205 | | | | | | | | | | | | | | | | | | | |
| upgrade kit DVD (slim) + LSD | | | | | | | | | | | | | | | | | | | |
| Occupies one 5.25" x 1.6" bay in the accessible bay area | | | | | | | | | | | | | | | | | | | |
| Offers bays for: | | | | | | | | | | | | | | | | | | | |
| - 1x LSD option | | | | | | | | | | | | | | | | | | | |
| - 1x 0.5" x 5.25" SATA DVD | | | | | | | | | | | | | | | | | | | |
| max. 1x per system | | | | | | | | | | | | | | | | | | | |
| S26361-F2826-E436 | | | | | | | | | | | | | | | | | | | |
| Upgrade Kit for up to 8x 3.5" HDD & slim ODD | | | | | | | | | | | | | | | | | | | |
| Occupies all 5.25" x 1.6" bays in accessible drive area | | | | | | | | | | | | | | | | | | | |
| Offers bays for: | | | | | | | | | | | | | | | | | | | |
| - 1x 0.5" x 5.25" SATA DVD | | | | | | | | | | | | | | | | | | | |
| - 4x 3.5" SAS/SATA HDDs | | | | | | | | | | | | | | | | | | | |
| 2x 3.5" satin black bezels for SAS HDD bays | | | | | | | | | | | | | | | | | | | |
| max. 1x per system | | | | | | | | | | | | | | | | | | | |
| S26361-F2826-L436 | | | | | | | | | | | | | | | | | | | |
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| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>S26361-F2557-E105</td></tr> <tr><td>Local Service Display incl. Adapter</td></tr> <tr><td>Customer Self Service</td></tr> <tr><td>LSD module incl. adapter</td></tr> <tr><td>0.5" x 5.25"</td></tr> <tr><td>max. 1x per System</td></tr> </table> | S26361-F2557-E105 | Local Service Display incl. Adapter | Customer Self Service | LSD module incl. adapter | 0.5" x 5.25" | max. 1x per System | | | | | | | | | | | | | |
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| Local Service Display incl. Adapter | | | | | | | | | | | | | | | | | | | |
| Customer Self Service | | | | | | | | | | | | | | | | | | | |
| LSD module incl. adapter | | | | | | | | | | | | | | | | | | | |
| 0.5" x 5.25" | | | | | | | | | | | | | | | | | | | |
| max. 1x per System | | | | | | | | | | | | | | | | | | | |

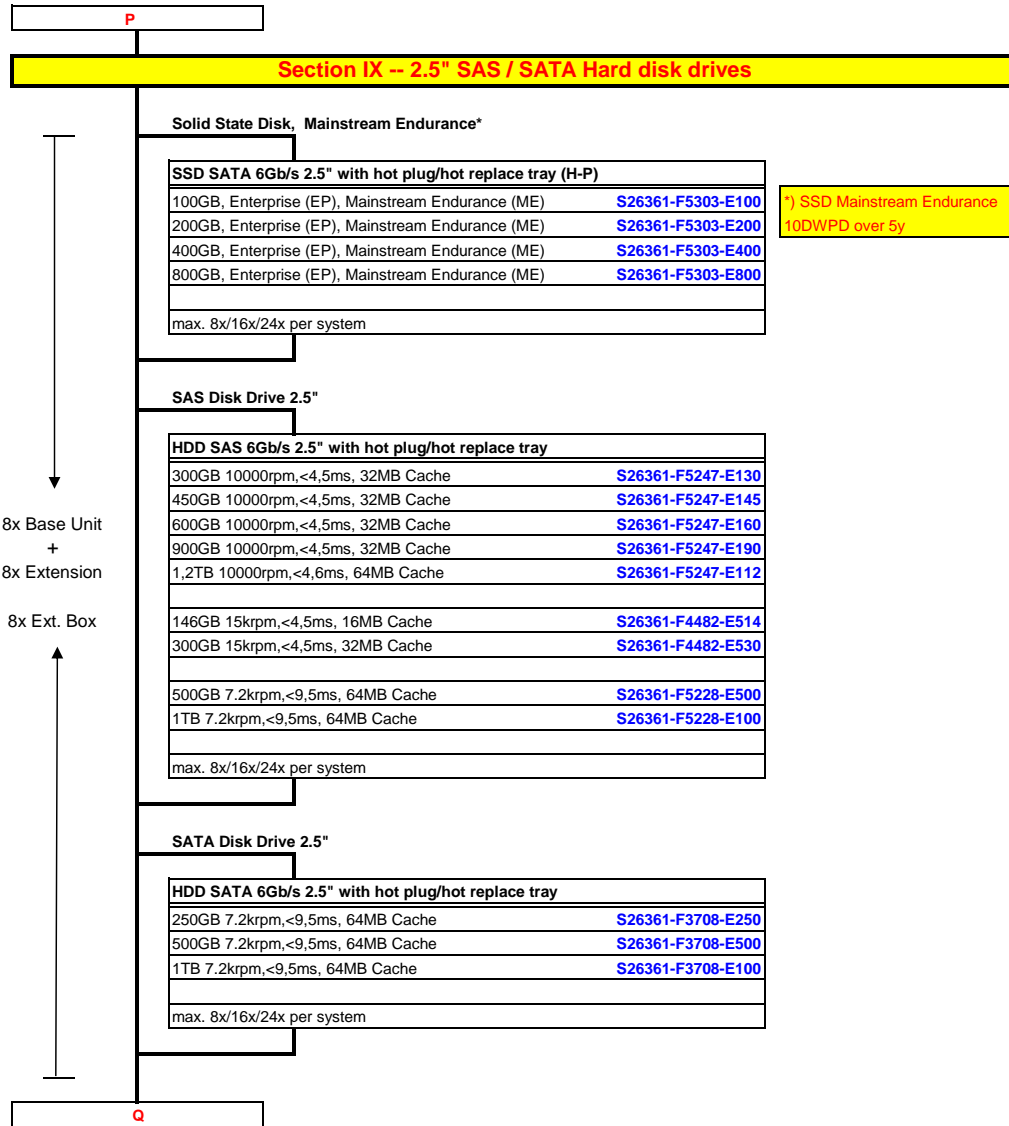
| | | | | |
|--------------------------|--|--|--|--|
| S26361-F3266-E2 | S26361-F3267-E2 | S26361-F3641-E4 | S26361-F3269-E2 | S26361-F3641-E2 |
| DVD-ROM HH SATA | DVD-RW SM HH SATA | Blu-ray Triple writer slim SATA | DVD-RW SM SATA | Blu-ray Triple writer slim SATA |
| 16x DVD 48x CD | all formats, DL, DVD-RAM only W2K, W3K and Linux | 6x BD-RW, 8x DVD, 24x CD, BD DL and all CD/DVD formats | all formats, DL, DVD-RAM only W2K, W3K and Linux | 6x BD-RW, 8x DVD, 24x CD, BD DL and all CD/DVD formats |
| 1.6 x 5.25", black bezel | 1.6 x 5.25", black bezel | 1.6 x 5.25", black bezel | 0.5 x 5.25", black bezel | 0.5 x 5.25", black bezel |
| max. 1x per system | max. 1x per system | max. 1x per system | max. 1x per system | max. 1x per system |

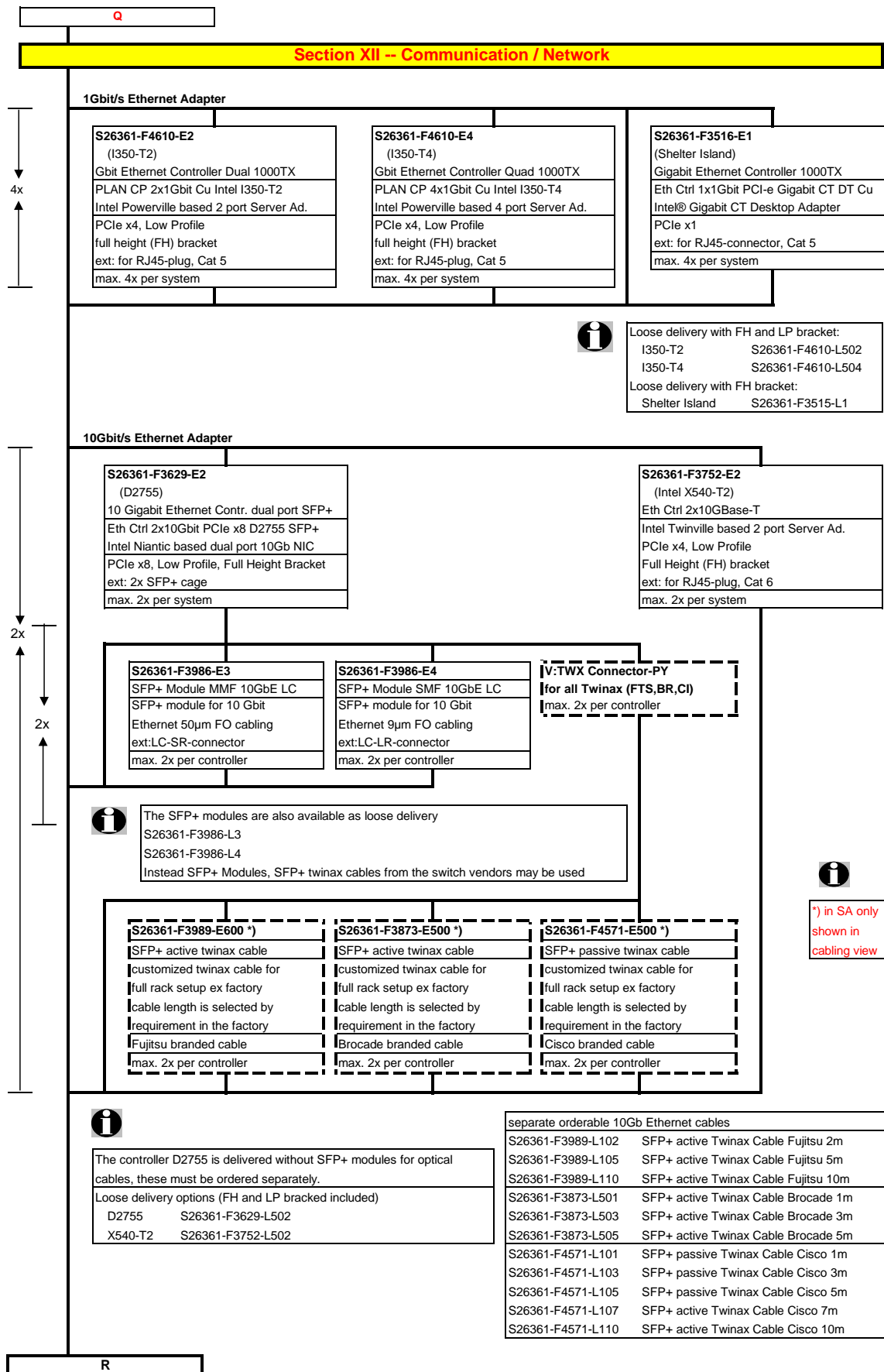


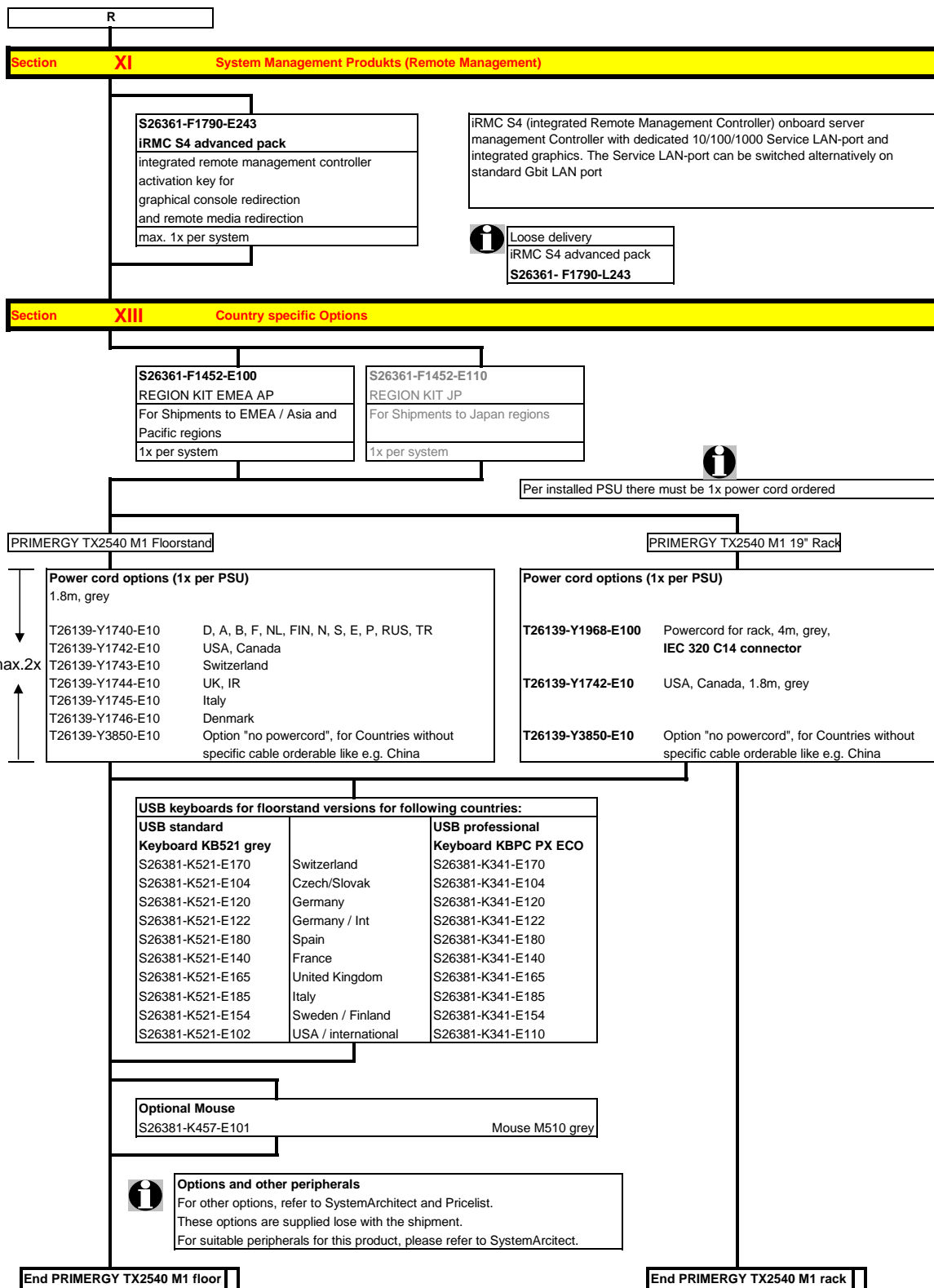












Change Report

| Date | Order number/Chapter | Changes |
|------------|---------------------------------|--|
| 03.06.2014 | PSAS 9200e | added |
| 12.05.2014 | SW 32 bit / SW 64 bit | pages deleted |
| 10.04.2014 | | corrected Order number S26361-F4530-E10 and S26361-F4530-E12 |
| 17.02.2014 | | Sheet Comm. Network updated |
| 13.02.2014 | S26361-F2735-L7 | CMA for unsymmetrical Racks added |
| 11.02.2014 | Dummy PSU | added |
| 04.02.2014 | S26361-F1729-L260 --> new: L270 | new order code for Rack conversion kit (due to Nexperience light) |
| 31.01.2014 | HDD area for 3.5" | 3.5" can be equipped with up to 8x HDD only, deleted medium HDD cage (E337) exclude SAS expander for 3.5", use E436/L436 (out of TX200 S7) |
| 21.01.2014 | SAS Expander | SAS Expander for 3.5" now included in "upgrade kit for up to 12x HDD" and for 2.5" in the "upgrade kit for up 16x HDD" |
| 15.01.2014 | SM, others, pwr cord | deleted M480 mouse and inserted M510 mouse |
| 13.01.2014 | Mounting kit E107 | ereased |
| 13.01.2014 | Blu Ray drive S26361-F3641-E4 | added |
| 13.01.2014 | Conf. Diagram LFF & SFF | corrected and adopted |
| 13.12.2013 | TPM module | New order code associated S26361-F3552-E6/-L6 |
| 09.12.2013 | 3.5" Mod. DA & 2.5" Mod. DA | description of RAID controllers / L-parts added / corrected; BBU deleted |
| 04.12.2013 | Conf. Diagram 2.5" & 3.5" | added description " Slot 1 can not be used if SAS Expander is configured" |
| 04.12.2013 | Base PSU CPU | deleted 2 base units: TX2540 M1 rack - standard PSU (both 2.5" and 3.5") |
| 03.12.2013 | S26361-F3669-L660 | correct order number for RAID Controller -E4 (before wrong: E3) |
| 03.12.2013 | 3.5 Mod. DA | ereased connection between o.B. SAS and the extension box (between line 39/40), added line between Lynx2 and exension box |
| 15.11.2013 | remove Front LAN | |
| 12.11.2013 | SAS Expander | order code updated on page 2.5" Mod. DA "S26361-F3668-E2" |
| 12.11.2013 | HDD cage | upgrade order code added for 8*2.5" HDD cage accessible area |
| 17.10.2013 | Intel i350 T2/T4 | updated |
| 09.10.2013 | S26113-F615-E10 | add comment "voltage range 180-264V supported", (no low Voltage 110V) |
| 20.09.2013 | SW 32/64 | Update the latest SW part |
| 13.09.2013 | external SAS DA | JBOD Controller deleted |
| 13.09.2013 | LAN | deleted all old LAN cards |
| 03.09.2013 | FC | All FC Controller deleted |
| 30.08.2013 | RAID Controllers | Update RAID |
| 30.08.2013 | Base PSU CPU | Memory & CPU section updated |
| 21.08.2013 | FC | no 16Gbit controllers |
| 20.08.2013 | Raidcontroller Cougar 3 | Ordernummer von E3 in E4 geändert (Cougar3 v3 zu Cougar3 v4) |
| 12.08.2013 | SW 32/64 | aus SW-PM Vorlage kopiert |
| 06.08.2013 | P/Ns corrected | |
| 06.08.2013 | Memory Configuratin | deleted rank sparing / mirror mode |
| 06.08.2013 | Keyboard K520 | Keyboard -K520 Family is EoL (end 2013), successor is -K521 Keyboard |
| 06.08.2013 | S26361-K1463-V201 | Base unit (Floor - standard 2.5") canceled |
| 05.08.2013 | many corrections | |
| 01.08.2013 | many Changes | adopted to TX300 S8 structure |
| 14.03.2013 | S26361-F3750-E324/504/E604 | RDX & Cartridge bundles added |
| 14.03.2013 | S26113-F615-E10 / L10 | added Titanium 800W PSU |
| | Initial Configurator | |