

PRIMERGY TX150 S8

System configurator and order-information guide

November 2016

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

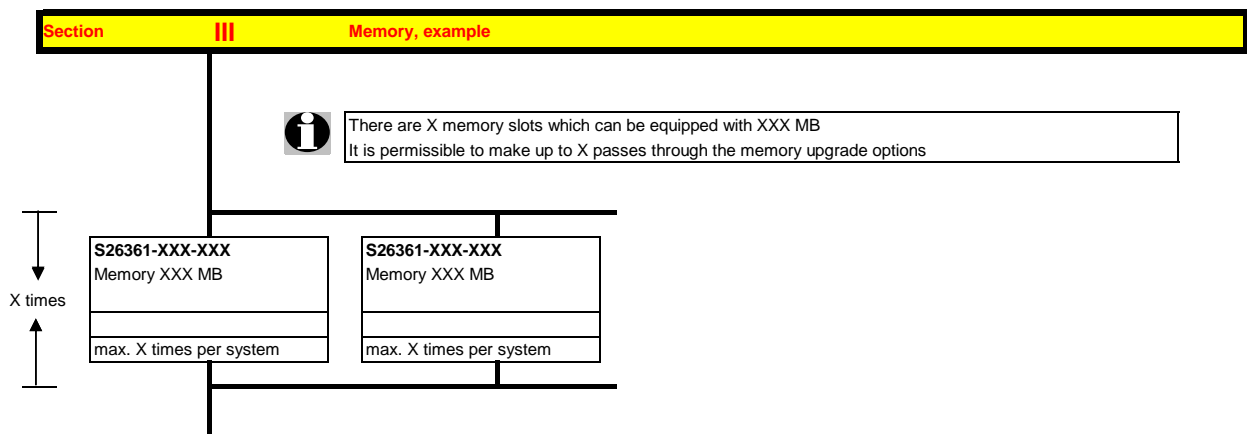
This document contains basic product and configuration information that will enable you to configure your system via PC-/System-Architect

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

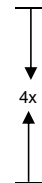
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

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:

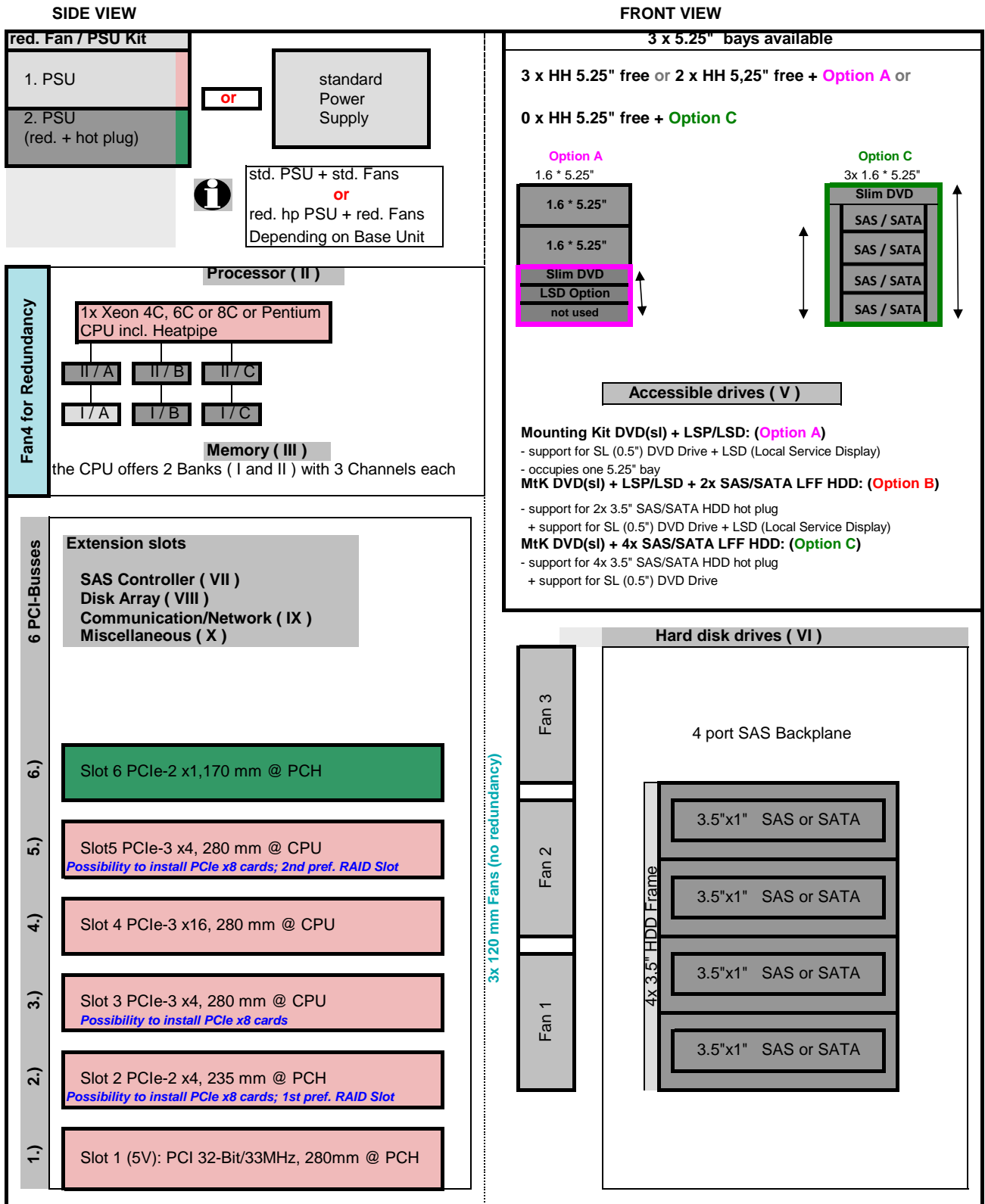
http://ts.fujitsu.com/products/standard_servers/index.html (internet)

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 TX150 S8 SATA LFF (3.5") System Unit

System unit (I)

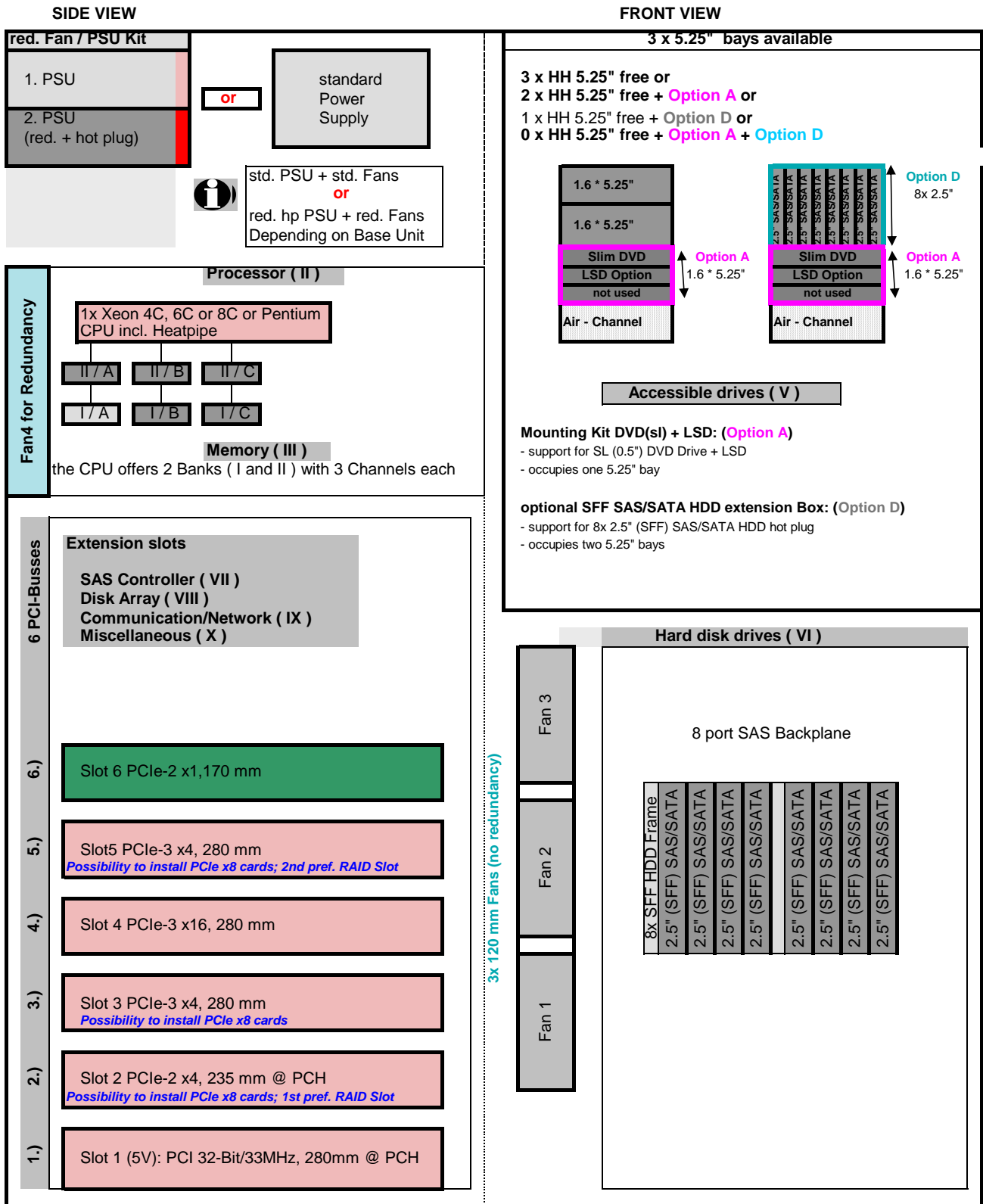


Key:

- Included in basic unit
- Option

Configuration diagram PRIMERGY TX150 S8 SFF (2.5") System Unit

System unit (I)



Key:

- Included in basic unit
- Option

Start PRIMERGY TX150 S8

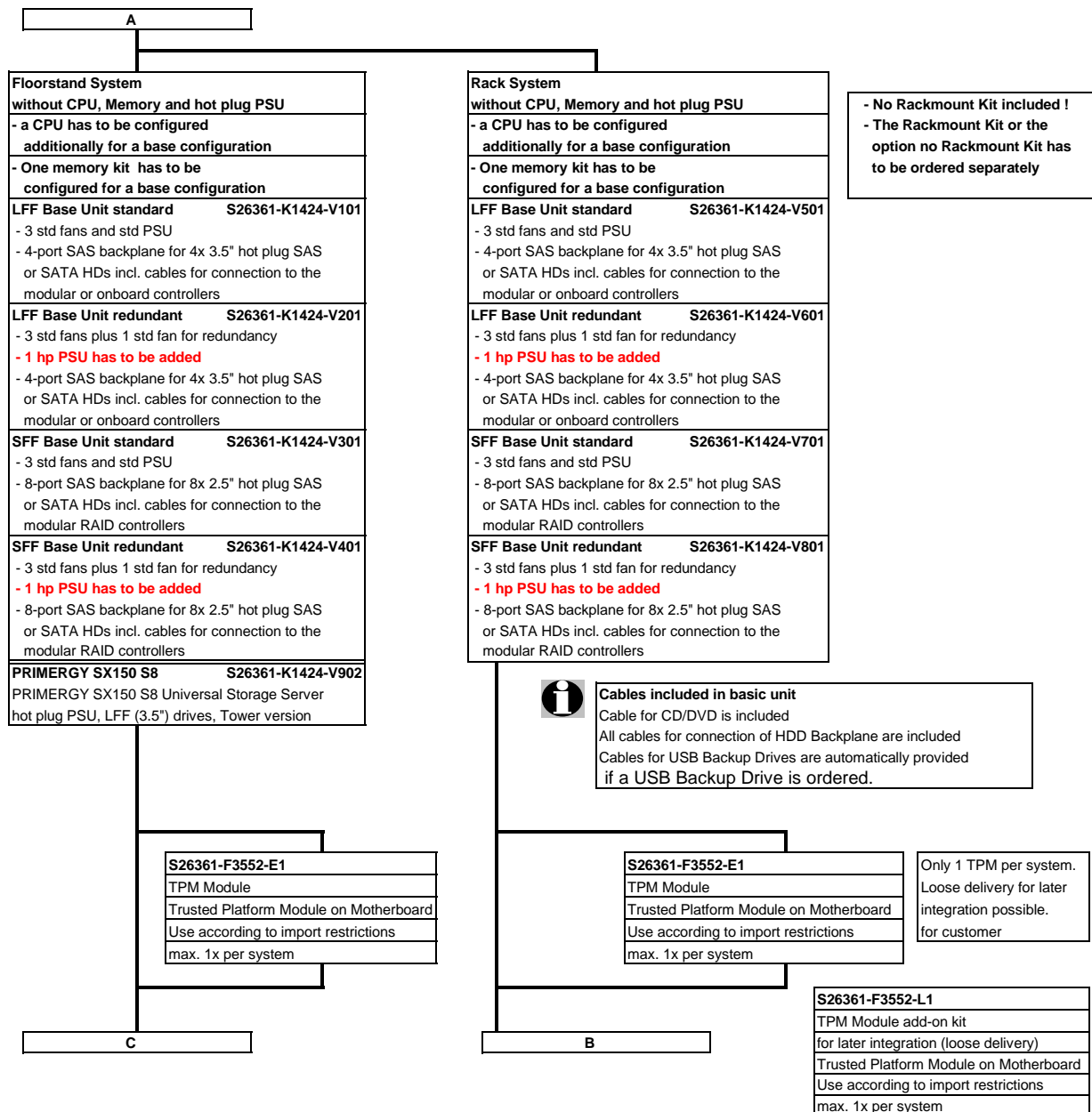
Section | Basic unit

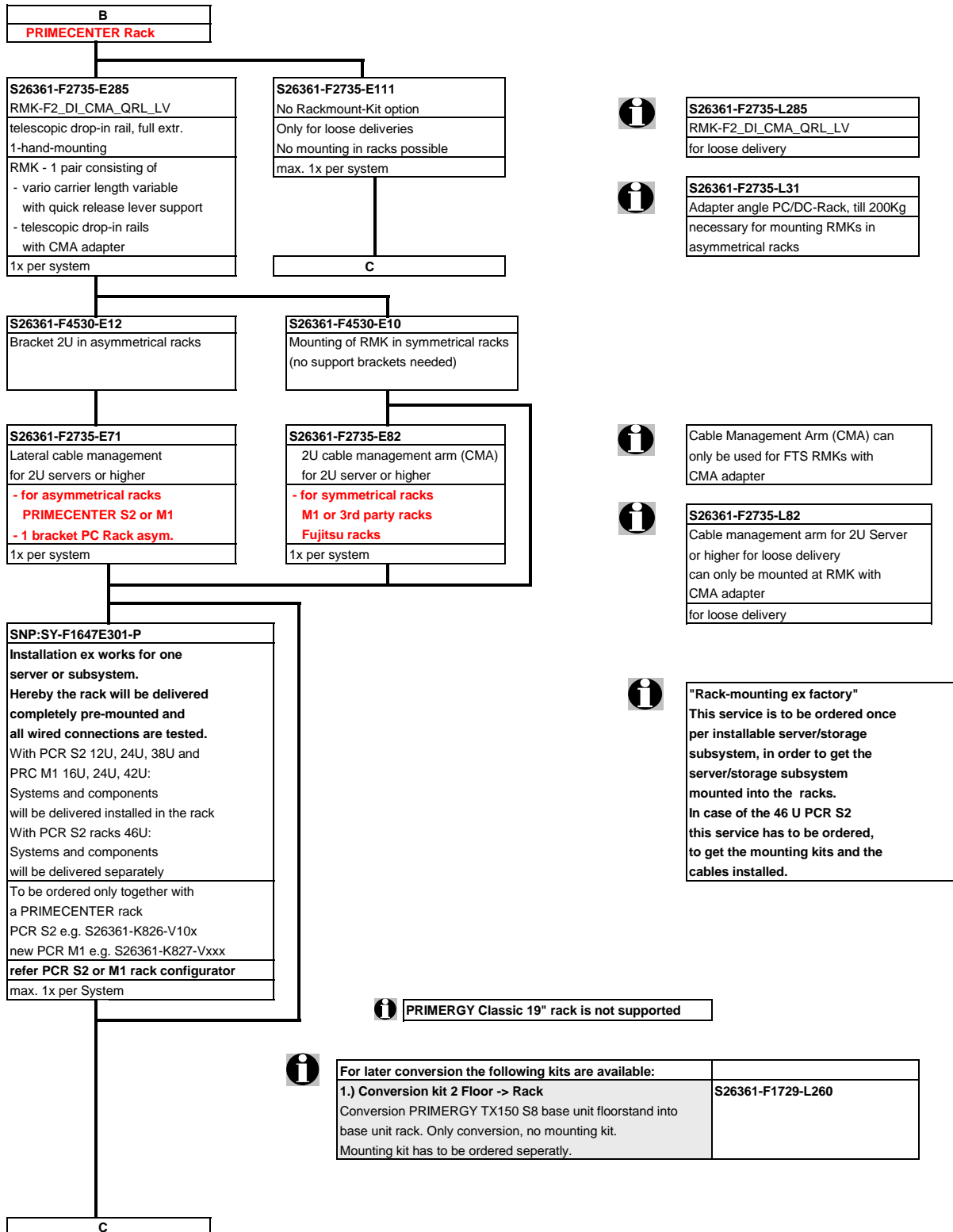
System unit, Rack and Floorstand, including:

- * **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 and V301, V501 and V701 base units)
 - Type 2: without PSU (450W must be added), 1 additional fan for redundancy
(V201, V401, V601 and V801 base units)

for Type 1 base units there is an upgrade to
hot plug redundant PSU and redundant Fans available
- * **3 bays 5.25" for accessible drives (half Height)**
 - Systemboard D3079 with:
- * **One Pentium 2c or Xeon 4C, 6C & 8C CPU (Socket-B2)**
 - with 3 memory channels
 - CPU has to be selected for an orderable basic unit,
- * **Chipset Intel® C600 Series (codenamed Patsburg)**
- * **6 PCI slots:**
 - 1x PCIe-3 x16
 - 2x PCIe-3 x4 (mechanically x8)
 - 1x PCIe-2 x4 (mechanically x8)
 - 1x PCI 32/33
 - 1x PCIe-2 x1
 - No mix of registered and unbuffered modules is allowed
 - First Memory (one module) has to be selected for an orderable basic unit
 - Memory upgrade is possible module wise for the Independent Channel Mode or for the Performance Mode,
 - Memory mirroring is supported with 2 identical modules in channel B+C
 - Hot Spare Memory is supported with 3 identical modules in channel A+B+C
 - SDDC (Chipkill) is supported only for registered memory modules,
- * **6-port SATA controller on-board included in Intel Southbridge Patsburg A for SATA Raid0/1,**
 - optional Southbridge Patsburg B with 4 ports for SAS RAID 0/1
- Max. 4 SATA / SAS HD's are supported**
 - Max. 2 SATA accessible drives are supported (DVD, Backup)
- * **2x1 Gbit Ethernet LAN on board (Intel Hartwell);**
 - iSCSI boot integrated in System BIOS as selectable option
- * **iRMC S3 (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
- Interfaces:**
 - * 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 at the rear, 2x external at the frontside, 3x internal for backup or UFM)
 - * 2x 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)
- * **ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates**
- * **Documentation engl. (multilingual on CD)**

A





C
1x mandatory for redundant base units

2x	S26113-F575-E10 Power supply 450W (hot plug) occupies one bay for hot plug power supply max. 2x per system
----	---

i For redundant Base Units only (V201, V401, V601 and V801)

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

For later upgrades the following kits are available:	
1 power supply module 450W hot plug: Supplementary module	S26113-F575-L10
Attention: There is no power cable included!	

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
---	------------------------

Section II Processor

There is 1 processor socket available.

i **Note: Max. DDR3 Bus Speed depends on:**
 - max. DDR3 Bus Speed from the CPU and
 - max. DDR3 Memory Speed and
 - max. memory modules on one memory channel

Max.1 CPU can be selected per basic unit	
One of following CPU's has to be selected for an orderable basic unit	
Basic 4C Pentium - 1x 64-bit Intel Pentium (5MB shared TLC = Third Level Cache) 1066 MHz DDR3 Bus, 6,40 GT/s QPI Bus and passive heat sink occupies CPU socket	
Pentium 1403 2C/2T 2.60GHz 5MB 6.40GT/s 1066MHz 80W	S26361-F3726-E260
Basic 4C Single Socket Xeon - 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 CPU socket	
Xeon E5-1410 4C/8T 2.80GHz 10MB 6.40GT/s 1333MHz 80W	S26361-F3751-E280
Basic 4C CPU's - 1x 64-bit Intel Xeon (10MB shared TLC = Third Level Cache) 1066 MHz DDR3 Bus, 6,40 GT/s QPI Bus and passive heat sink occupies CPU socket	
Xeon E5-2403 4C/4T 1.80GHz 10MB 6.40GT/s 1066MHz 80W	S26361-F3684-E180
Xeon E5-2407 4C/4T 2.20GHz 10MB 6.40GT/s 1066MHz 80W	S26361-F3684-E220
Standard Turbo 6C CPU's - 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 CPU socket	
Xeon E5-2420 6C/12T 1.90GHz 15MB 7.20GT/s 1333MHz 95W	S26361-F3723-E190
Xeon E5-2430 6C/12T 2.20GHz 15MB 7.20GT/s 1333MHz 95W	S26361-F3723-E220
Xeon E5-2440 6C/12T 2.40GHz 15MB 7.20GT/s 1333MHz 95W	S26361-F3723-E240
Advanced Turbo+ 8C 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 CPU socket	
Xeon E5-2450 8C/16T 2.10GHz 20MB 8.00GT/s 1600MHz 95W	S26361-F3724-E210
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 CPU socket	
Xeon E5-2430L 6C/12T 2.00GHz 15MB 7.20GT/s 1333MHz 60W	S26361-F3725-E200

D

D

Section III Memory



- **There are 6 memory slots for max.**
 96GB using RDIMM (6x 16GB 2R)
 24GB using UDIMM (6x 4GB)

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

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

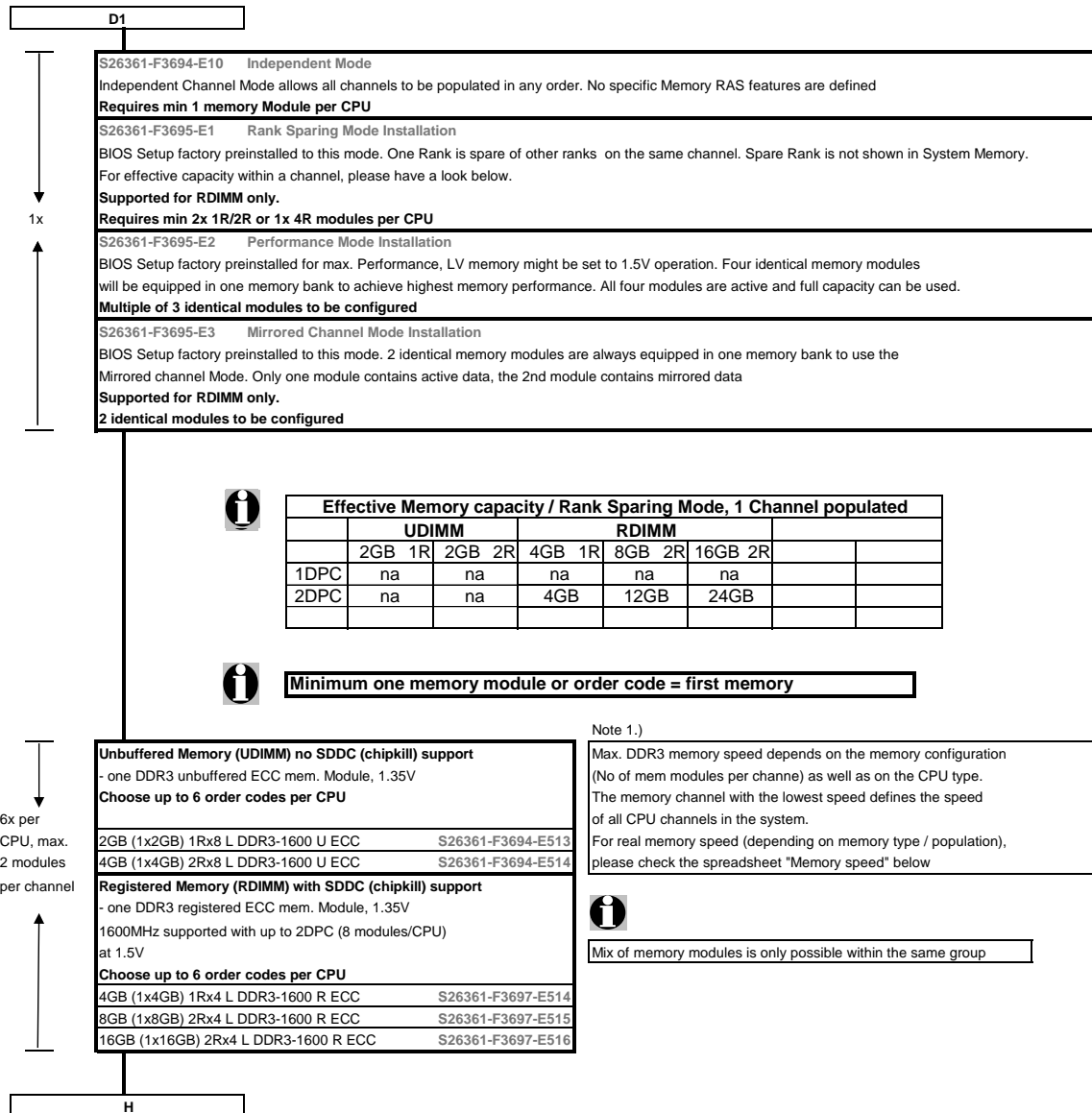
1.) In the "Independent Channel Mode" is following configuration possible
 Channels can be populated in any order in Independent Channel Mode. All 3 channels may be populated in any order and have no matching requirements. All channels must run at the same interface frequency but individual channels may run at different DIMM timings (RAS latency, CAS latency, and so forth)
No mix of registered and unbuffered modules allowed.

2.) "Rank Sparing Mode" configuration
 - Within a memory channel, one rank is a spare of the other ranks.
 The Spare Rank is held in reserve and is not available as system memory
 For the effective memory capacity, please refer to the spreadsheet below.
 The BIOS is set to the rank sparing setting.
Minimum configuration is: 2x 1R, 2x 2R or 1x4R DDR3 module per channel
This mode is not supported by x8 organized memory modules

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

4.) In the "Mirrored Channel Mode" is following configuration possible
 - Each memory bank can optionally be equipped with 2x registered memory modules
In each memory bank channel B and C has to be equipped with identical modules for mirrored channel mode.
 In channel C is always the mirrored memory of channel B
Minimum configuration is: 2x identical modules
This mode is not supported by x8 organized memory modules

D1



Memory Configuration PRIMERGY TX150 S8

The CPU offers 6 Slots for DDR3 Memory Modules organised in 2 Banks and 3 Channels.
 Depending on the amount of memory configured you can decide between 4 basic modes of operation (see explanation below).

There are 2 different kinds of DDR3 Memory Modules available: UDIMM and RDIMM
 UDIMM / RDIMM offer different functionality. Mix of UDIMM / RDIMM is not allowed.

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

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

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

Capacity	Configuration	UDIMM	RDIMM
Min. Memory	1 Module	1x2GB	1x4GB
Max. Memory	4/6 Modules	6x4GB	6x16GB

Memory-Speed:

Max. DDR3 memory speed depends on the memory configuration on one memory channel and the speed of the CPU

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

Mem. Speed provided by CPU	Real maximum memory-bus speed depending on CPU type, memory configuration (DPC) and voltage setting (BIOS)											
	UDIMM 1600MHz						r					
	1.5V [default]			1.35V			default]			1.35V		
Voltage setting (BIOS)	1	2		1	2		1	2	3	1	2	
	DPC	DPC		DPC	DPC		DPC	DPC	DPC	DPC	DPC	
CPU with 1600MHz DDR3 Bus	1333	1066		1333	1066		1600	1600	-	1333	1333	
CPU with 1333MHz DDR3 Bus	1333	1333		1066	1066		1333	1333	-	1333	1333	
CPU with 1066MHz DDR3 Bus	1066	1066		1066	1066		1066	1066	-	1066	1066	

1R - Single Rank

2R - Dual Rank

1DPC = 1 DIMM per Channel

2DPC = 2 DIMM per Channel

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 the CPU (examples see below)

Bank I up to 3 memory modules connected to Channel A - C
Bank II up to 3 memory modules connected to Channel D - F

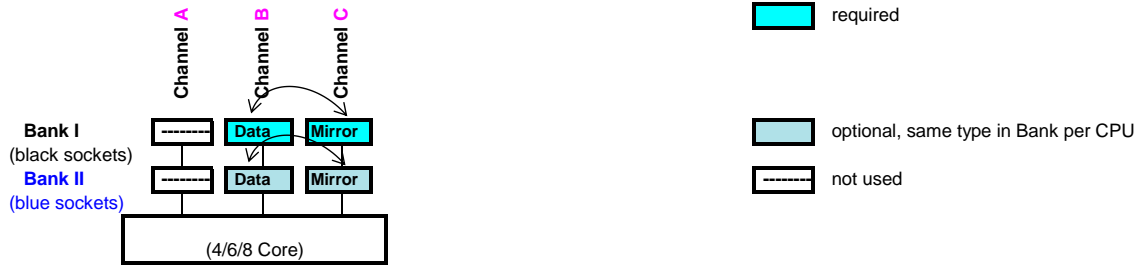
- See below and next page for a detailed descriptions of the memory configuration supported.

1. Independent Channel Mode



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

2. Mirrored Channel Mode



Mirrored Channel Mode requires identical modules on channel B / C
 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory
 If this mode is used, a multiple of 2 identical modules has to be ordered.

3. Performance Channel Mode



Performance Channel Mode requires identical modules on all channels of each Bank per CPU.
 If this mode is used, a multiple of 3 identical modules has to be ordered.

4. Rank Sparing Mode

-Rank Memory modules (RDIMM)



-Rank Memory modules (RDIMM)



Rank Sparing Mode requires identical modules (same capacity and technology) within the same channel.
 The available memory for applications will vary depending on configuration. Please refer to the spreadsheet above
 "Effective Memory capacity with active Rank Sparing Mode". Population rule for Rank sparing mode is to achieve max.
 available memory.

H

Section IV Grafik

S26361-F2748-E538
PGRA CP NVS 1GB VGA PCIe x16
NVIDIA NVS315
1024 MB PCIe-x16
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
full height bracket
max. 1x per system

The high end optional NVIDIA NVS315 graphic card offers dual head operation and fully 3D video support.
 The cables for either two times DVI-I or VGA connections are part of the delivery.
Remote Video direction via iRMC must be disabled.
 This PCIe-x16 card can also be installed in slot PCIe-x4, x8 or standard x16 slot.
 Only one card per server is allowed.

PY VGA card must be installed in slot 4

S26361-F2748-L538
PGRA CP NVS 1GB VGA PCIe x16
for loose delivery

Section V Accessible drives

There are 3 bays (1.6" x 5.25") for accessible drives usable for all or for LFF related base units.
 For all SFF base units there is an additional bay; please refer to section VI hard disk drives SFF HDDs

see Conf. Diagram **Option A** occupies 1 accessible bay for all base units

see Conf. Diagram **Option C** occupies all 3 bays only 3.5" HDD base units

S26361-F2826-E205
Mounting Kit DVD(s) + LSP/LSD
Occupies one 5.25" x 1.6" bay in the accessible bay area
Offers bays for:
- 1x Local Sv. Display option
- 1x 0.5" x 5.25" SATA DVD
max. 1x per system

S26361-F2826-E436
Mounting Kit DVD(s) + SAS LFF HDD
Occupies all 5.25" x 1.6" bays in the accessible bay area
Offers bays for:
- 1x 0.5" x 5.25" SATA DVD
- 4x 3.5" SAS/SATA HDD's
Two 1" x 3.25" satin black bezels for SAS HDD bays
max. 1x per system

S26361-F2557-E105
Local Service Display incl. Adapter
Customer Self Service
LSD module incl. adapter
0.5" x 5.25"
max. 1x per System

S26361-F3269-E2
DVD-RW supermulti slim SATA
all formats, DUAL/DL, DVD-RAM
only W2K, W3K and Linux
0.5 x 5.25", black bezel
max. 1x per system

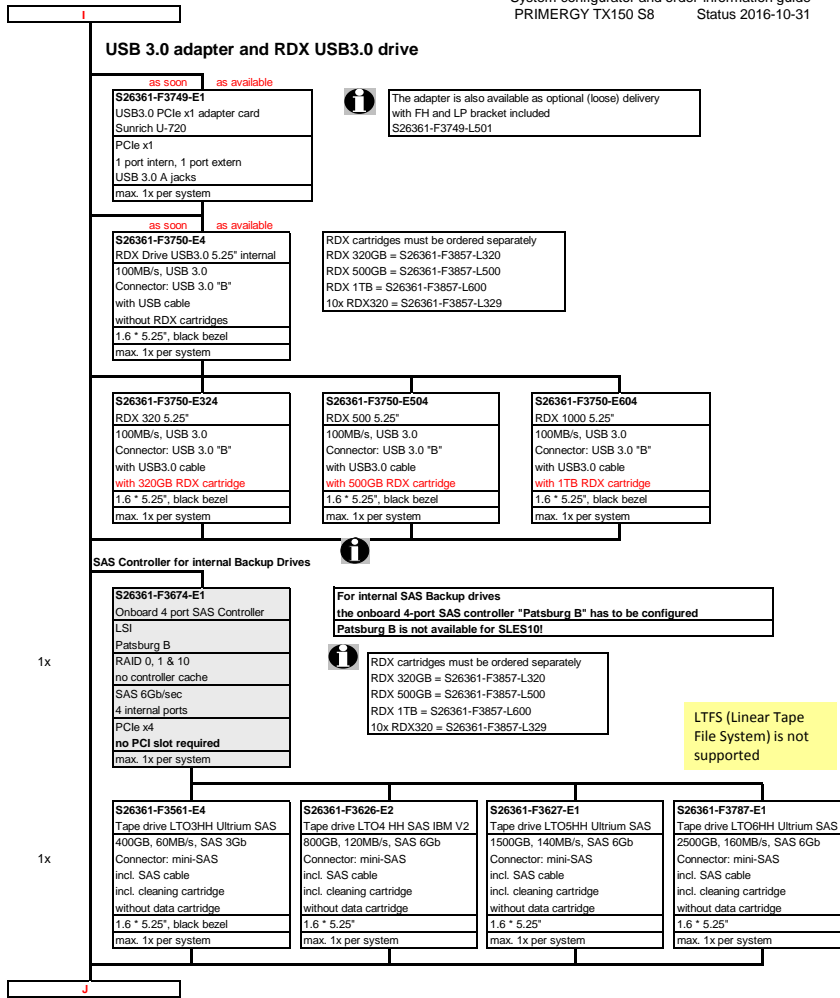
S26361-F3641-E2
Blu-ray Triple Writer slim SATA
6x BD-RW, 8x DVD, 24x CD
BD DL and all CD/DVD formats
0.5 x 5.25"
max. 1x per system

S26361-F3266-E2
DVD-ROM HH SATA
16x DVD 48x CD
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3267-E2
DVD-RW supermulti HH SATA
all formats, DUAL/DL, DVD-RAM
only W2K, W3K and Linux
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3641-E4
Blu-ray Triple Writer slim SATA
4x BD-RW, 16x DVD, 40x CD
BD DL and all CD/DVD formats
1.6 x 5.25", black bezel
0.5" drive with mounting frame
max. 1x per system

I



J

Section VI Hard disks drives

SAS RAID Controller for up to 4 SAS HDDs

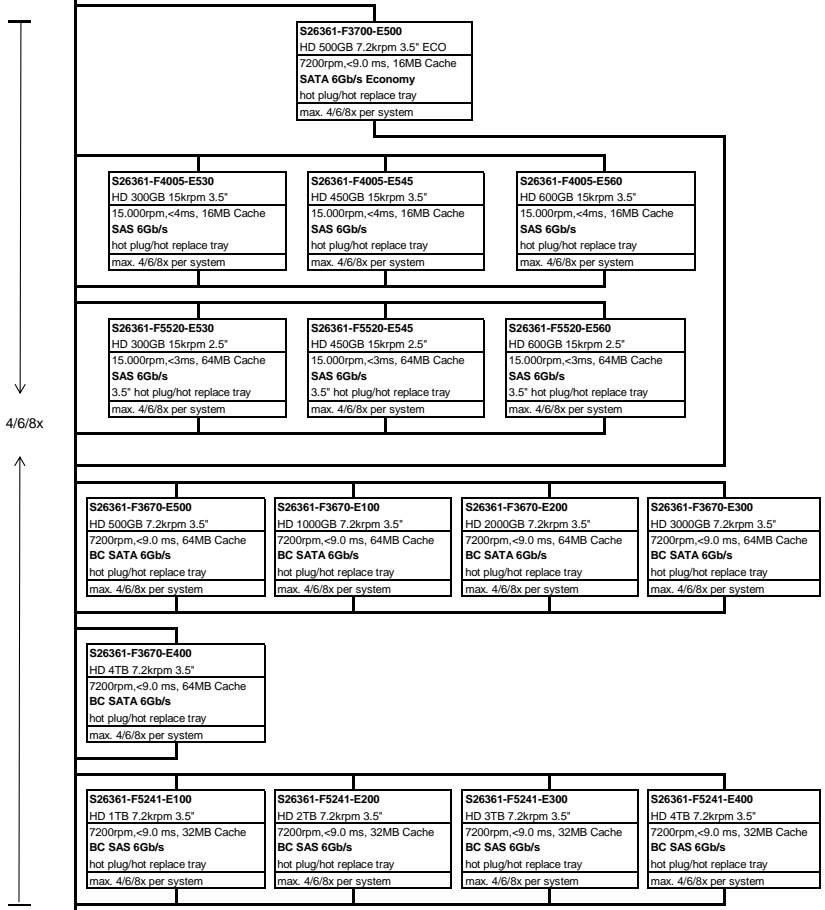
S26361-F3674-E1
Onboard 4 port SAS Controller
LSI
Patsburg B replaces 4 onb. SATA ports
RAID 0, 1 & 10
no controller cache
SAS 6Gb/sec
4 internal ports
PCIe x4
no PCI slot required
max. 1x per system



If the onboard 4 port SATA or SAS Controller is used for HDD, it is not possible to implement a LTO drive later

3.5" HDDs for LFF base units; SAS or more than 4 SATA HDDs require a RAID Controller! See section VIII Internal Disk Array

Up to 4 LFF (3.5") hard disks can be configured into the base unit
 With the HDD Extension Box Option B up to 6 LFF (3.5") hard disks can be configured, with Option C up to 8 HDDs.
 The on board SATA Controller can be used with up to 4x 3.5" SATA HDDs (no additional controller required), BUT:
If a LTO backup drive is configured, then the 4 onboard SATA ports for HDDs are not available!
In this case for any HDD solution a PCI based 8port RAID controller is necessary!
 For up to 4x 3.5" SAS HDDs without SAS Tape a Patsburg SAS RAID controller is available
 For up to 4x 3.5" SAS HDDs in combination with a SAS tape or fr all other HDD configurations a 8port PCIcontroller is required
Mixed configurations with Eco SATA drives and SAS drives are not allowed
3.5" SAS drives and 3.5" BC SATA drives can be mixed, but not used in one logical RAID volume
 Hot replace is only possible running RAID.
3.5" HDD Economy SATA (S26361-F3700-*) configurations with follow RAID SAS Ctrl not allowed
 S26361-F33669-E1 RAID Ctrl SAS 6G 1GB (D3116)
 S26361-F33669-E3 RAID Ctrl SAS 6G 1GB (D3116C)



K

K

2.5" HDDs for SFF base units; SAS or more than 4 SATA HDDs require a RAID Controller! See section VIII internal Disk Array

Up to 8 SFF (2.5") hard disks can be configured.
 With the HDD Extension Box Option D up to 16 SFF (2.5") hard disks can be configured.
 With the HDD extension box 2 hardware RAID controllers have to be ordered!
 The On board SATA Controller can be used with up to 4x 2.5" SATA HDDs (no additional controller required)
If a SAS based backup is configured, then the 4 onboard SATA ports for HDDs are not available any more!
In this case for any HDD solution a PCI based 8port RAID controller is necessary!
 For up to 4x 2.5" SAS HDDs with RAID 0/1 functionality a Patsburg Upgrade Kit is required (no SAS tape option)
Mixed configurations with Eco SATA drives and SAS drives are not allowed
2.5" SAS drives and 2.5" BC SATA drives can be mixed, but not used in one logical RAID volume
 Hot replace is only possible running RAID.
Mixed configuration 2.5" BC-SATA/BC-SAS with SAS 10K (S26361-F4483-E130/E145/E160) drives not allowed.
2.5" SAS drives and 2.5" BC SATA drives can be mixed, but not used in one logical RAID volume

1x

S26361-F2826-E426
 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" satin black bezel
 max. 1x per system

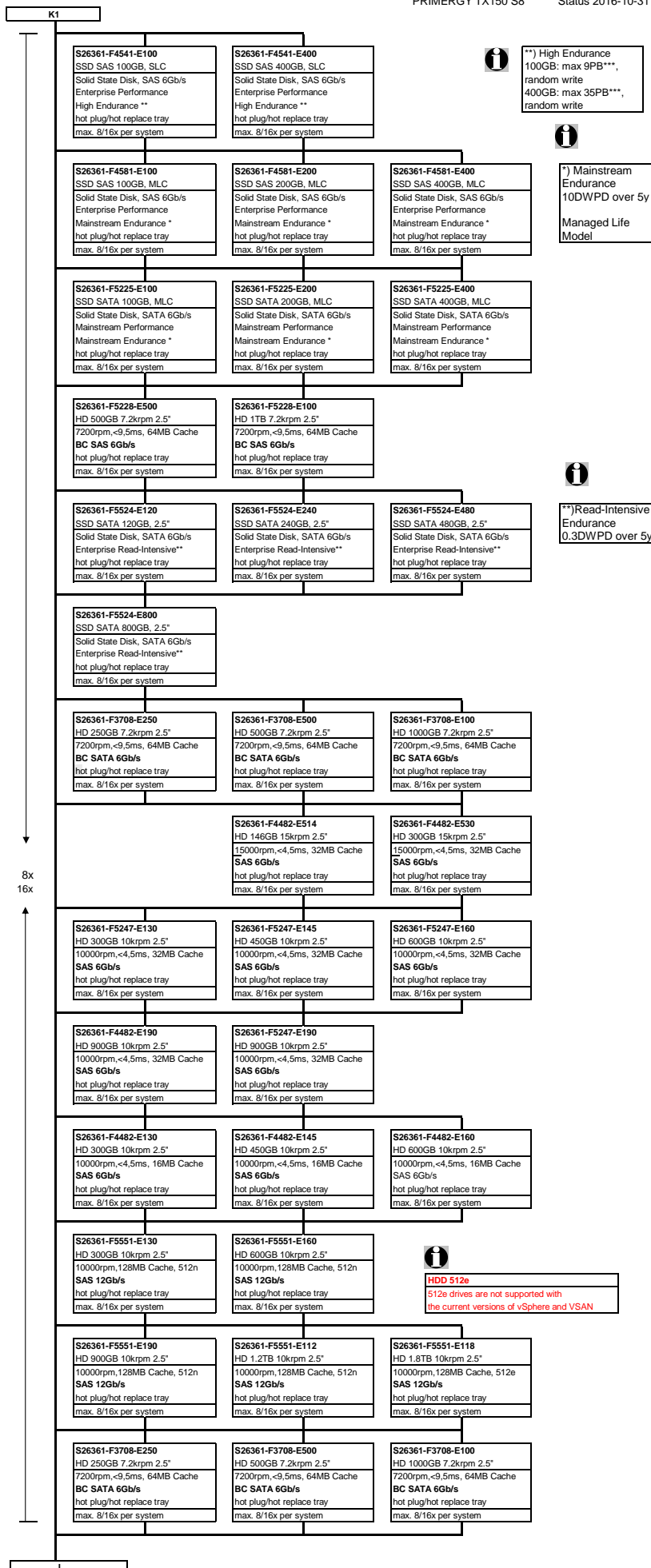
**To be used in
 SAS SFF (2.5") Base Unit only**
 see Conf. diagram [Option D](#)

For the 8x 2.5" HD Extension Box
 2 PCI based modular RAID controller is necessary
 see Section VIII

S26361-F2826-E140
 Trigger to request a PCI SAS Controller
 for configuring more than 4 SATA HDDs
 max. 1x per system

For a later configuration of more than 4 SATA HDDs, the trigger is not necessary
 In this case it is sufficient to implement a SAS controller!
 It is not allowed to connect the SATA HDDs to different controllers
 In case of running more than 4 HDDs, all of them have
 to be connected to the PCI based Controller

K1



L

Section VII External SAS Disk Array & Backup Drives

SAS RAID controller for JBOD subsystems

S26361-F3593-E1
 RAID Ctrl SAS 6G 8port external
 LSI MegaRAID SAS9280-8e
 512MB Cache with ECC
 RAID 0, 1, 10, 5, 50, 6 & 60
without iBBU
 SAS 6Gb/sec
 8 port external
 PCIe x4, MD2 form factor
 full height bracket
 max. 1x per system

S26361-F3257-E216
 Cache Battery Backup Unit
 with 16cm cable set
 max. 1x per Controller

i Controller depends on I/O-Module
 IOM available: - SAS/SATA; - USB

i BBU max.2x per system possible
 for loose delivery of the Cache
 Battery Backup please order
S26361-F3257-L210

2x, but
 max. 3x
 RAID ctrl
 int. and ext.
 in total

SAS-controller for external backup drives

S26361-F3628-E1
 SAS Controller 6Gb/s 8 port
 LSI SAS9200-8e
 SAS 6Gb/sec
 ext: 8 port
 PCIe 2.0 x4,
 max. 1x per system

M

M

Section VIII internal Disk Array

All Base Units contain a 6-port on-board SATA controller supporting RAID Levels 0, 1, 10
 If a SAS Backup drive is configured, then the 4 SATA HDD boards are not available any more
 If no SAS Backup drive is configured, then there is an optional SAS onboard controller available for up to 4 SAS HDDs
 For more than 4 HDDs or for any HDD in combination with a SAS tape it is necessary to select an 8 port PCI based RAID0/1 or RAID5 controller!
S26361-F3669-E1/E3 does not support 3.5" ECO SATA HDD (S26361-F3700-E250/E500)

SAS RAID Controller for up to 4 SAS HDDs

S26361-F3674-E1
 Onboard 4 port SAS Controller
 LSI
 Patsburg B replaces 4 onb. SATA ports
 RAID 0, 1 & 10
 no controller cache
 SAS 6Gb/sec
 4 internal ports
 PCIe x4
no PCI slot required
 max. 1x per system

A mix of onboard RAID and HW RAID is not allowed!

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

1x for LFF base
 2x for SFF, but
 max. 3x
 RAID ctrl
 int. and ext.
 in total

<p>S26361-F3554-E8 RAID Ctrl SAS 6G 8port int. Based on chip LSI SAS2008 LSI MegaRAID no Cache, no BBU RAID 0, 1 & 1E Sup. for 3Gb/s and 6Gb/s SATA and SAS HDs PCIe x8 Low-prof. MD2 form factor max. 1x / 2x per system</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. 1x / 2x per system</p>	<p>S26361-F3669-E1 RAID Ctrl SAS 6G 8port internal 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 x8 Low-profile MD2 form factor max. 1x / 2x per system</p>	<p>S26361-F3669-E3 RAID Ctrl SAS 6G 8port internal 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>
--	--	--	---

S26361-F3257-E216
 Cache Battery Backup Unit
 max. 1x per Controller

S26361-F3669-E100
 TFM Module for FBU option
 max. 1x per Controller

L-Order-Number is:
S26361-F3257-L210

S26361-F3669-E125
 Flash Backup Unit
 with 25cm cable set
 max. 1x per Controller

Advanced Software Option

RAID Advanced Software
 free of charge test licence
 available: PRIMERGY-PM

S26361-F3669-L670
 RAID Advanced Software Options
 License Activation Key
 for CacheCade Pro 2.0 & FastPath
 for 1 Controller

S26361-F3669-E670
 RAID Advanced Software Options
 License Activation Key
 for CacheCade Pro 2.0 & FastPath
 for 1 Controller

N

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

for loose delivery of TFM & FBU please order:

S26361-F3669-L100
 TFM Module for FBU option
 max. 1x per Controller

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

P

Section X Communication / Network

2x1Gb on-board LAN Controller

- Fast Ethernet Controller on-board
- 2x 1 Gbit Intel Hartwell Server Adapter
- 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. Two onboard LAN ports can likewise educate a team.

1Gbit/s Ethernet Adapter

max 2

S26361-F4610-E2
 (I350-T2)
 Gbit Ethernet Controller Dual 1000TX
 PLAN CP 2x1Gbit Cu Intel I350-T2
 Intel Powerville based 2 port Server Ad.
 PCIe x4, Low Profile
 full height (FH) bracket
 ext: for RJ45-plug, Cat 5
 max. 2x per system

S26361-F4610-E4
 (I350-T4)
 Gbit Ethernet Controller Quad 1000TX
 PLAN CP 4x1Gbit Cu Intel I350-T4
 Intel Powerville based 4 port Server Ad.
 PCIe x4, Low Profile
 full height (FH) bracket
 ext: for RJ45-plug, Cat 5
 max. 2x per system

as long as stock lasts

S26361-F3516-E1
 (Shelter Island)
 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. 2x per system

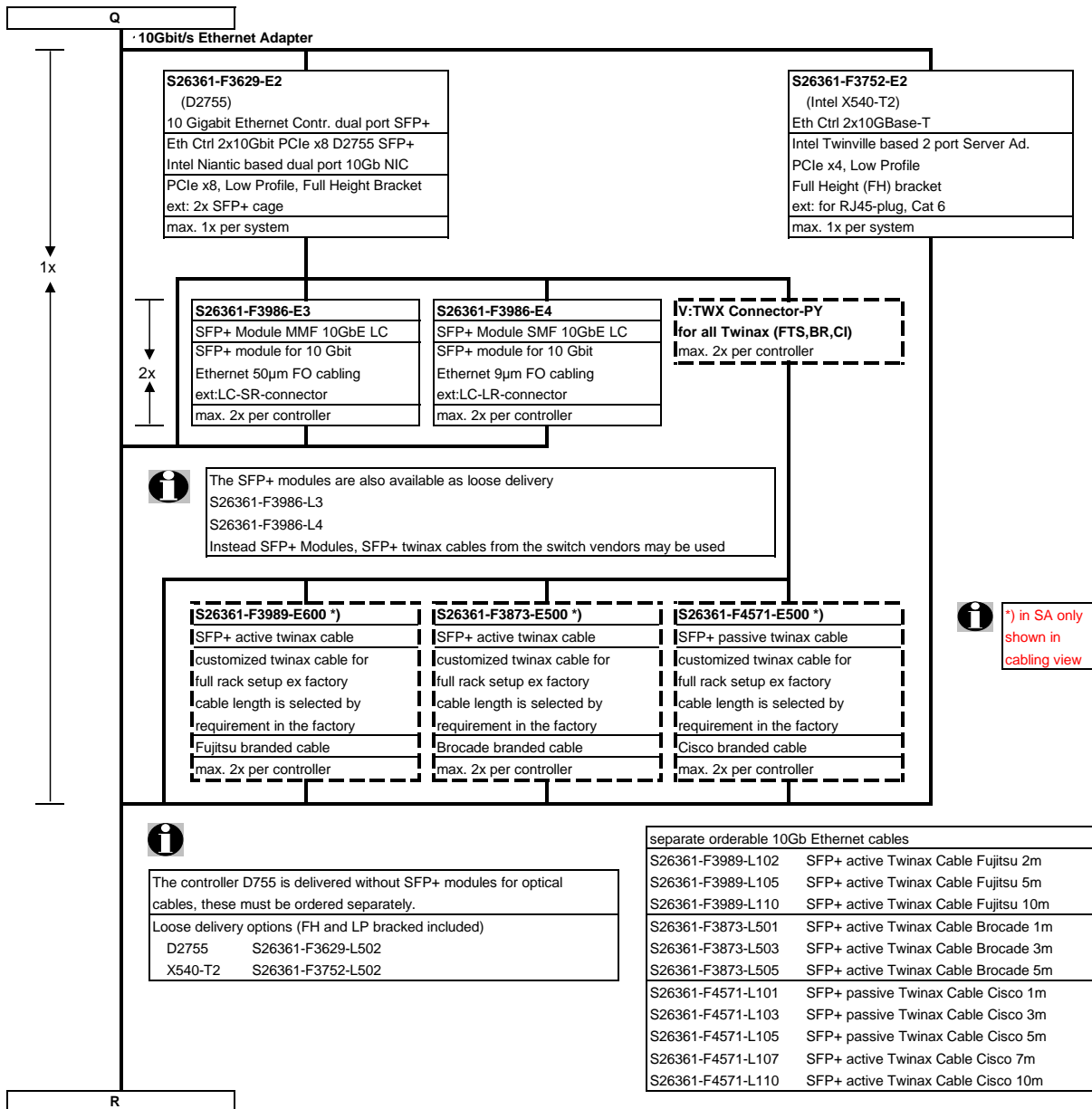
as soon as available

S26361-F3852-E1
 (Intel I210-T1)
 Gigabit Ethernet Controller 1000TX
 PLAN AP 1x1Gbit Cu Intel I210-T1
 Single Port 1Gbit Server Adapter
 PCIe x1
 ext: for RJ45-connector
 max. 2x per system



Loose delivery with FH and LP bracket:
 I210-T1 S26361-F3852-L501
 I350-T2 S26361-F4610-L502
 I350-T4 S26361-F4610-L504
 Loose delivery with FH bracket:
 Shelter Island S26361-F3516-L1

Q



R

Section XI System Management Products (RemoteView)

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

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

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

Section XII Miscellaneous

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 SystemArchitect

S26361-F3776-E2
ENABLING LOW NOISE MODE TX150
 Restricts configuration to make LNM possible
 LNM is enabled ex factory
 max. 1x per system

Configuration restrictions in LNM for TX150:
 Max 4x 3.5" SATA HDDs are allowed! No SAS or 2.5" HDDs!
 Max 1x PSUs is allowed! No redundant PSU!
 No redundant fans are allowed!
 No PCIe cards are allowed!
 LNM can be enabled later, as long as the configuration restrictions are fulfilled
 When adding not compatible components later, LNM will be switched off automatically

Section XIII Country specific Options

S26361-F1452-E100 REGION KIT APAC/EMEA/India For Shipments to Asia pacific, EMEA or India regions 1x per system	S26361-F1452-E110 REGION KIT JP For Shipments to Japan regions 1x per system	S26361-F1452-E130 REGION KIT America For Shipments to America 1x per system	S26361-F1452-E140 REGION KIT Europe 1x per system
---	--	---	--

S26361-F3301-E123
 Certification for India **For shipments to India mandatory!**

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

PRIMERGY TX150 S8 Floorstand **Hint: No country specific powercord configurable with Certification for India** PRIMERGY TX150 S8 19" Rack

max.2x	Power cord options, 1.8m, black (1x per PSU) 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-Y1757-E10 Taiwan Power cord options, 2.5m, black (1x per PSU) T26139-Y1751-E10 China T26139-Y3850-E10 Option "no powercord", for Countries without specific cable orderable	Power cord options (1x per PSU) T26139-Y1968-E10 Powercord for rack, 4m, grey, IEC 320 C14 connector T26139-Y1742-E10 USA, Canada, 1.8m, grey T26139-Y3850-E10 Option "no powercord", for Countries without specific cable orderable
--------	---	--

Optional power cord, 1.8m, black, for the following countries:	
T26139-Y1740-L10	D, A, B, F, NL, FIN, N, S, E, P, RUS, TR
T26139-Y1742-L10	USA, Canada
T26139-Y1744-L10	UK, IR
T26139-Y1745-L10	Italy
T26139-Y1746-L10	Denmark
T26139-Y1757-L10	Taiwan
Optional power cord, 2.5m, black, for the following countries:	
T26139-Y1751-L10	China

USB standard Keyboard KB520		USB professional Keyboard KBPC PX ECO
S26381-K520-E170	Switzerland	S26381-K341-E170
S26381-K520-E104	Czech/Slovak	S26381-K341-E104
S26381-K520-E120	Germany	S26381-K341-E120
S26381-K520-E180	Spain	S26381-K341-E180
S26381-K520-E140	France	S26381-K341-E140
S26381-K520-E165	United Kingdom	S26381-K341-E165
S26381-K520-E185	Italy	S26381-K341-E185
S26381-K520-E154	Sweden / Finland	S26381-K341-E154
S26381-K520-E102	USA / international	S26381-K341-E110

option for floorstand		
USB Mouse:		
Mouse M520 Black	S26381-K467-E100	S26381-K467-L100
Mouse M520 Grey	S26381-K467-E101	S26381-K467-L101
Mouse M530 Grey (as soon as available)	n/a	S26381-K468-L101

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 SystemArchitect.

End PRIMERGY TX150 S8 floor

End PRIMERGY TX150S8 rack

R

Section XIV CCC restrictions

S26361-F3301-E120
CCC Certification for China
max. 1x per system

i The following order components out of the specific sections are not possible together with CCC certification

DVD & tape Drives	
DVD-ROM HH SATA	S26361-F3266-E2
DVD-RW supermulti HH SATA	S26361-F3267-E2
Blu-ray Triple Writer HH SATA	S26361-F3585-E2
max. 1x per system i	

RAID Controller	
RAID Ctrl. SAS 6G 5/6 512 MB (D2616)	S26361-F3554-E512
max. 1x each per system i	

LAN Controller	
max. 1x each per system i	

Service LAN Option	S26361-F2571-E27
max. 1x each per system i	

End PRIMERGY TX150 S8 floor

