

PRIMERGY TX100 S2

System configurator and order-information guide

September 2011

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PRIMERGY Server

Instructions

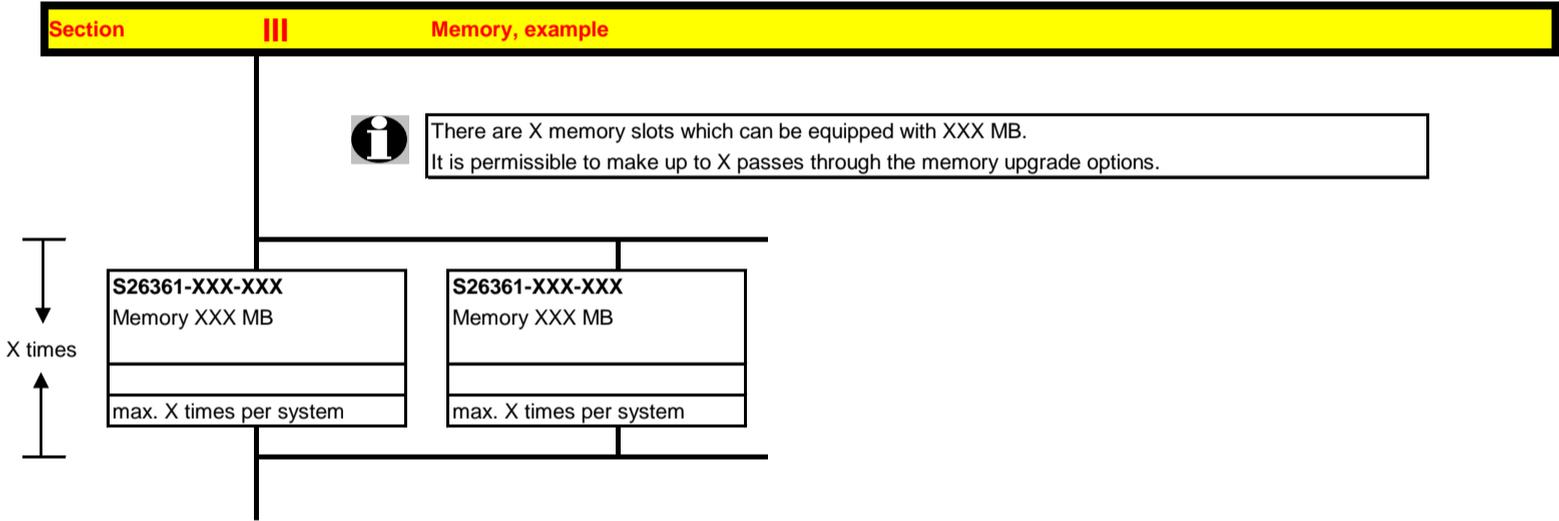
This document contains basic product and configuration information that will enable you to configure your system via PC-/ System-Architect.

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.



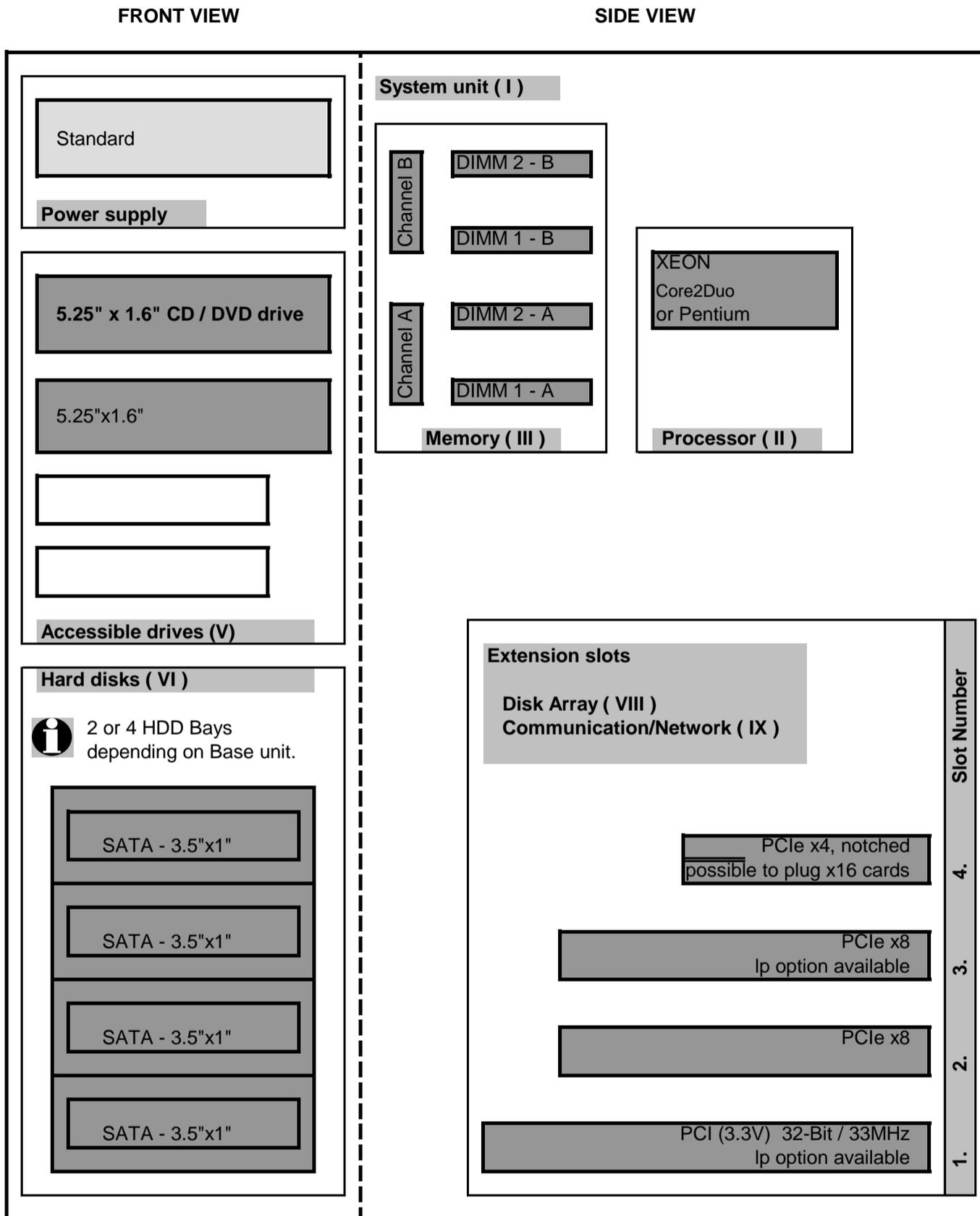
For further information see:

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 TX100 S2



Key:

- Included in basic unit
- Option

Start PRIMERGY TX100 S2

Software Configurator 32 bit

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY Server

VMware-Software
- VCMS VirtualCenter Management Server

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

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

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

Microsoft - Windows Server 2008: W
 - Windows Web Server 2008
 - Windows Server 2008 Standard, Enterprise
 - User, Device Client Access Licenses (CAL)
 - Terminal Server Client Access Licenses (CAL)

Manageability Software: V)**
- Altiris Server Deployment

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

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

 **) Pay attention to release and order information in PRINCE -> Operating System
<https://partners.ts.fujitsu.com/com/products/servers/primerqy/Pages/default.aspx>

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

for internal users: <http://sp.ts.fujitsu.com/dmsp/docs/osrel.xlsx>
 for partners: <https://partners.ts.fujitsu.com/com/products/servers/primerqy/Pages/default.aspx>

Continue with PRIMERGY HW configurator

Start PRIMERGY TX100 S2

Software Configurator 64 bit

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY Server

VMware-Software
- VCMS VirtualCenter Management Server

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

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

Microsoft - Windows Server 2008: W
 - Windows Web Server 2008
 - Windows Server 2008 Standard, Enterprise
 - User, Device Client Access Licenses (CAL)
 - Terminal Server Client Access Licenses (CAL)

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

Microsoft - Windows Small Business Server 2008: ROK
 - Windows Small Business Server 2008 Standard, Premium
 - User, Device Client Access Licenses (CAL)

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

 **) Pay attention to release and order information in PRINCE -> Operating System
<https://partners.ts.fujitsu.com/com/products/servers/primergy/Pages/default.aspx>

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

for internal users: <http://sp.ts.fujitsu.com/dmsp/docs/osrel.xlsx>
 for partners: <https://partners.ts.fujitsu.com/com/products/servers/primergy/Pages/default.aspx>

Continue with PRIMERGY
HW configurator



System unit consisting of:

- * Housing including standard power supply (no redundancy)
- * Imprint of MAC Address on system label and delivery note as standard
- * heat sink for CPU

Systemboard with:

- * 4 PCI expansion slots:
 - 1x PCIe x4, notched (possible to plug x16 cards)
 - 1x PCIe x8; fits for lp (low profile) and fh (full high) formfactor cards
 - 1x PCIe x8
 - 1x long 32Bit / 33MHz (3.3V); fits for lp and fh formfactor cards
- * 4 memory slots for up to 16GB (1066MHz PC3 8500 / 1333MHz PC3 10600) unbuffered DDR III RAM (ECC)
max. 4GB modul per slot
- * 2 bays 5.25" for accessible drives
- * 2 or 4 LFF (3.5" Large Form Factor) bays 1" high for no hot plug SATA HD (depends on base unit)
- * SATA controller with up to 4 HDD's using Intel 3420 (Chipset)
- * ATI ES1000 64MB
 - 1600 x 1200 pixel with 16 bit colours and 75 Hz
 - 1280 x 1024 pixel with 16/32 bit colours and 120/75 Hz
 - 1152 x 864 pixel with 16/32 bit colours and 160/100Hz
 - 1024 x 768 pixel with 16/32 bit colours and 200/120Hz
 - 800 x 600 and 640 x 480 pixel with 32 bit colours and 200Hz
- * Intel 10/100/1000 Mb/s ("Hanksville" 82578DM) on-board LAN

Cables included in Base Unit:

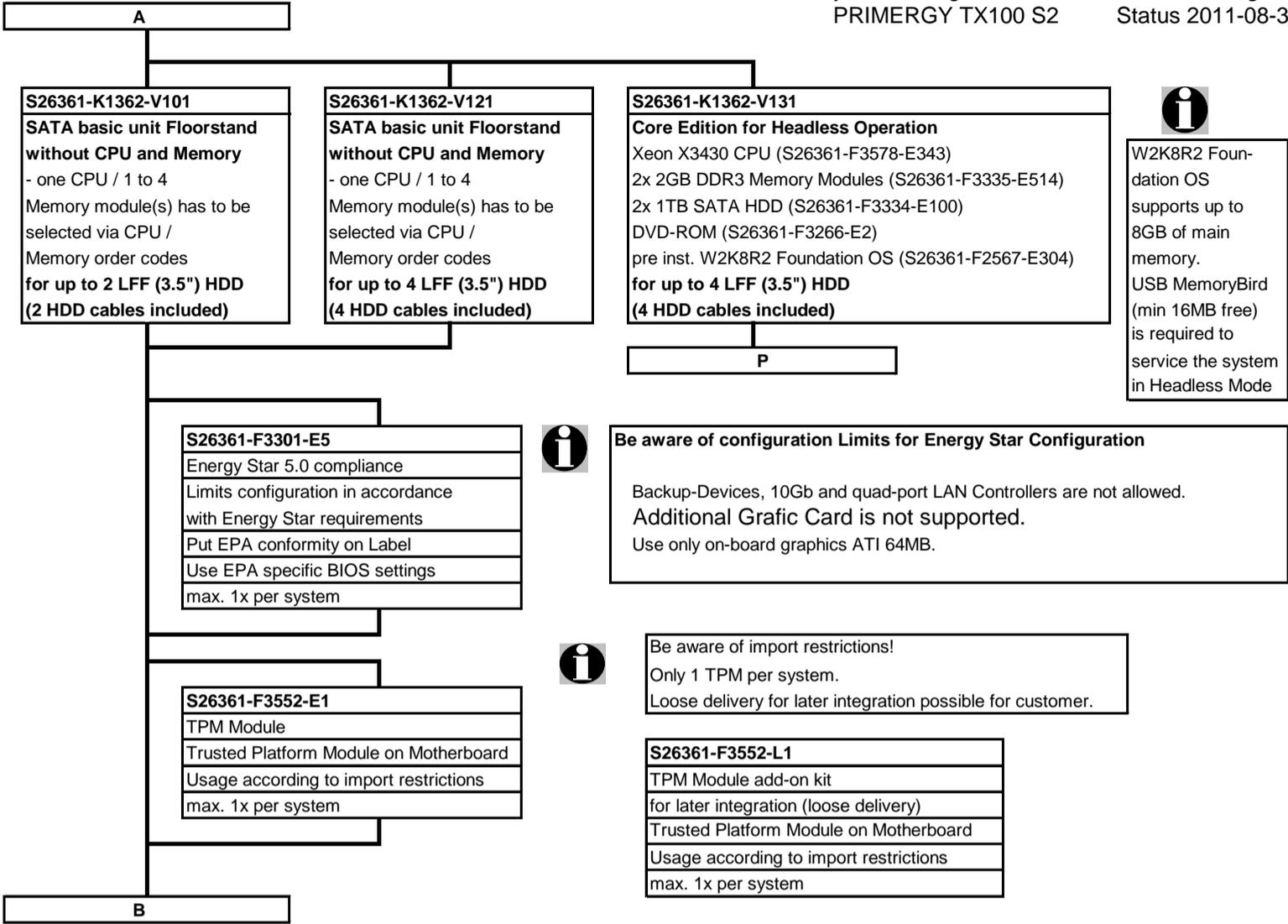
1. SATA cabel for CD/DVD
2. 2 or 4 x SATA cabel in basic unit (depends on base unit)

ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates

External Interfaces:

- 1x RS-232-C (serial, 9 pins)
- 1x Centronics (parallel, 25 pins, EPP/ECP compatible) optional

- 1x VGA (15 pins)
- 12x USB 2.0 (2x frontside, 6x rearside, 2x internal for backup devices, 1x internal USB Stick, 1x internal USSD / UFM)
- 1x LAN RJ45



B

Section II Processor

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

Dual-Core CPU's	
- 1x 64-bit Intel Celeron (2MB SLC), Pentium (3MB SLC) or Core-i3 (4MB SLC) occupies socket for one CPU	
Celeron G1101 2.26GHz 2MB 2C 1066MHz (73W)	S26361-F3589-E226
Pentium G6950 2.80GHz 3MB 2C 1066MHz (73W)	S26361-F3588-E280
Core i3-540 3.06GHz 4MB 2C/4T 1333MHz (73W)	S26361-F3587-E306
Core i3-550 3.20GHz 4MB 2C/4T 1333MHz (73W)	S26361-F3587-E320
Quad-Core XEON CPU's	
- 1x 64-bit Intel Xeon UP (8MB shared TLC = Third Level Cache) Hyper-Threading (HT not with X3430); 1333 MHz DDR3 Bus and heat sink occupies socket for one CPU	
Xeon X3430 2.40GHz 8MB 4C/4T 1333MHz Turbo (95W)	S26361-F3578-E343
Xeon X3450 2.66GHz 8MB 4C/8T 1333MHz Turbo (95W)	S26361-F3578-E345

depending on cost (after price drop)

Section III Memory

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

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

Dual channel memory configurations for maximum performance:
 For optimum performance memory has to be configured in pairs of memory modules with identical size.
 max. 16GB unbuffered DDR3 RAM for UDIMMs with 4GB modules

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

Unbuffered (ub) UDIMMs

4x

- One DDR3- ub ECC memory module	
Memory 1GB 1333 SR	S26361-F3335-E513
Memory 2GB 1333 DR	S26361-F3335-E514
Memory 4GB 1333 DR	S26361-F3335-E515
Choose up to 4 order codes above.	

Section IV Graphics

i ATI ES1000 (64MB) on board

S26361-F2748-E537
PY VGA LP card 512MB PCI-e x1
NVIDIA NVS300
512 MB PCIe-x1
2x DVI or 2x VGA or
1x DVI plus 1x VGA
cables adapters included
Dual head + fully 3-D
supported for Windows OS
only native driver support for Linux OS
full high bracket
max. 1x per system

i

The high end optional NVIDIA NVS300 graphic card offers dual head operation and fully 3D video support.
 The cables for either two times DVI or VGA connections are part of the delivery.
Remote Video direction via iRMC must be disabled.
 This PCIe-x1 card can also be installed in any PCIe-x4, x8 or x16 slot.
 Only one card per server is allowed.

PY VGA card must be installed in slot 4

S26361-F2748-L537
PY VGA LP card 512MB PCI-e x1
for loose delivery

C

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Section V Accessible drives



There are 2 drive bays (2x 5,25") for accessible drives.

S26361-F3266-E2 DVD-ROM 16/48x
SATA incl. description (Ger/US)
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3267-E2 DVD-RW 16x super multi drive
all formats, DUAL/DL, DVD-RAM SATA
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3530-E2 Blu-Ray Combo SATA
6x BD-ROM, 16x DVD, 40x CD BD DL and all CD/DVD formats
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3585-E2 Blu-ray Triple Writer HH SATA
4x BD-RW, 16x DVD, 40x CD BD DL and all CD/DVD formats
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3324-E4 Tape drive DDS Gen5 USB 5.25"
36GB, 3MB/s, USB 2.0 Connector: USB "B" with USB cable incl. description (Ger/US) cleaning cartridge
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3325-E4 Tape drive DDS Gen6 USB 5.25"
80GB, 6MB/s, USB 2.0 Connector: USB "B" with USB cable incl. description (Ger/US) cleaning cartridge
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3857-E4 RDX drive USB 5.25" internal
80-640GB, 25MB/s, USB 2.0 Connector: USB "B" with USB cable incl. description (Ger/US) without RDX cartridges
1.6 x 5.25", black bezel
max. 1x per system



Following USB Components are available	
1) USB DVD SM / Blu-Ray	
External SuperMulti Drive (as soon as released)	S26341-F103-L119
External Blu-Ray Drive (as soon as released)	S26341-F103-L120
2) as long as available: FDD USB (external):	S26391-F264-L226
external USB FDD	(USB cable included)
3) USB Keyboard:	S26381-K340-V120
KBPC PX D, professional keyboard	
4) USB Mouse:	S26381-K415-L100
Optical Wheel Mouse Tilt USB/PS2	
5) USB Memorybird:	
MyUSBS A910 8GB	S26391-F6048-L208
MyUSBS A910 16GB	S26391-F6048-L216



RDX cartridges must be ordered separately
RDX 160GB = S26361-F3857-L160
RDX 320GB = S26361-F3857-L320
RDX 500GB = S26361-F3857-L500
RDX 1TB = S26361-F3857-L600 *
10x RDX160 = S26361-F3857-L169
10x RDX320 = S26361-F3857-L329
* as soon as available

D

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Section VI RAID-Controller

S26361-F3554-E512
8 port SAS RAID Controller
LSI
MegaRAID SAS 2108
512MB Cache with ECC
SAS 6Gb/sec
8 internal ports
PCIe x8, 168mm
with combi bracket
max. 1x per system

i TX100 S2 does not support SAS HDD:
 - for use with SATA HDD only

i TX100 S2 does not support BBU
 - optional BBU für RAID Controller not available

i For later upgrade to RAID you need to order S26361-F3554-L512
 with an additional cable S26361-F3659-L1

Section VII Hard disk drives

i There is a 6 port SATA controller in the Base Unit.
 Up to 4 SATA LFF (3.5") hard disks can be configured.

4x

Business Critical (BC) SATA 3Gb/s HD 3.5" non hot plug	
250GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3334-E250
500GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3334-E500
750GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3334-E750
1000GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3334-E100
2000GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3334-E200
Choose up to 4 order codes above.	

E

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Section VIII Communication / Network



S26361-F3241-E1
 (Glyndon)
 Gigabit Ethernet Contr. 1000TX
 Eth Ctrl 1x1Gbit PCIe Pro/1000PT Cu
 Intel PRO/1000 PT Server Adaptor
 PCIe x1
 ext: for RJ45-connector, Cat 5
 max. 2x per system

S26361-F3610-E2
 Gigabit Ethernet Controller Dual 1000TX
 Eth Ctrl 2x1Gbit PCIe x4 D2735 Cu
 Intel Kawela based 2 port Server Adaptor
 PCIe x4,
 ext: for RJ45-plug, Cat 5
 max. 1x per system



Loose delivery with:
 S26361-F3610-L502

S26361-F3516-E1
 (Shelter Island)
 Gigabit Ethernet Controller 1000TX
 Eth Ctrl 1x1Gbit PCIe Gigabit CT DT Cu
 Intel® Gigabit CT Desktop Adaptor
 PCIe x1
 ext: for RJ45-connector, Cat 5
 max. 2x per system

F

F

Section IX Miscellaneous

S26361-F2542-E30
Paralell Interface option
 occupies one card slot
 max. 1x per system

Section X Country specific power cords, Keyboard, Mouse

USB keyboards for following countries:

USB standard Keyboard KB400		USB professional Keyboard KBPC PX ECO
marble gray		marble grey/anthracite
S26381-K550-E170	Switzerland	S26381-K341-E170
S26381-K550-E104	Czech/Slovak	S26381-K341-E104
S26381-K550-E120	Germany	S26381-K341-E120
S26381-K550-E180	Spain	S26381-K341-E180
S26381-K550-E140	France	S26381-K341-E140
S26381-K550-E165	United Kingdom	S26381-K341-E165
S26381-K550-E185	Italy	S26381-K341-E185
S26381-K550-E154	Sweden / Finland	S26381-K341-E155
S26381-K550-E102	USA / international	S26381-K341-E110
S26381-K550-E177	Thai	

Optional Mouse
 S26381-K431-E100 Mouse M480 black
 S26381-K431-E101 Mouse M480 grey

P

Power cord for floorstand versions for following countries:
 1,8 m, grey

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

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 TX100 S2

