FUJITSU

PRIMERGY TX1310 M1

System configurator and order-information guide

June 2014
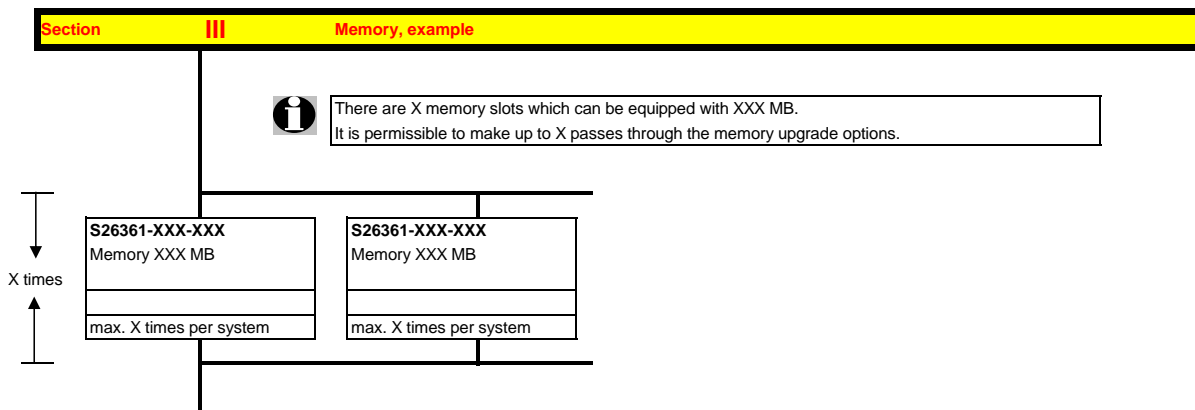
Contents

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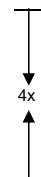
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

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	III	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.
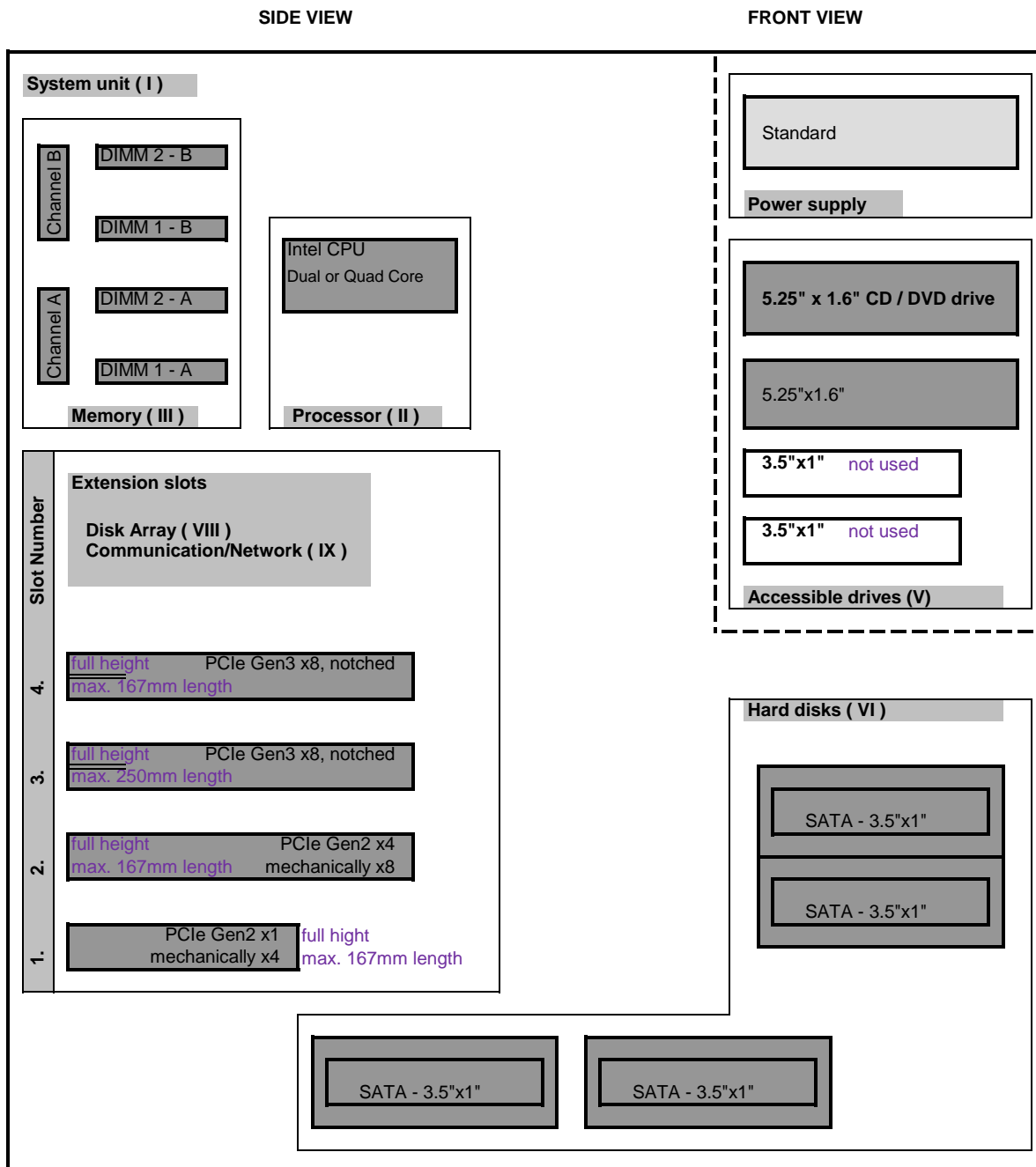
For further information see:

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 TX1310 M1

SIDE VIEW   **FRONT VIEW**

System unit (I)

Channel B

DIMM 2 - B

DIMM 1 - B

Channel A

DIMM 2 - A

DIMM 1 - A

Memory (III)

Intel CPU
Dual or Quad Core

Processor (II)

Standard

Power supply

5.25" x 1.6" CD / DVD drive

5.25"x1.6"

3.5"x1"   not used

3.5"x1"   not used

Accessible drives (V)

Slot Number

Extension slots

Disk Array (VIII)
Communication/Network (IX)

4.   full height   PCIe Gen3 x8, notched
      max. 167mm length

3.   full height   PCIe Gen3 x8, notched
      max. 250mm length

2.   full height   PCIe Gen2 x4
      max. 167mm length   mechanically x8

1.   PCIe Gen2 x1   full hight
      mechanically x4   max. 167mm length

Hard disks (VI)

SATA - 3.5"x1"

SATA - 3.5"x1"

SATA - 3.5"x1"   SATA - 3.5"x1"

Key:

Included in basic unit

Option

Start PRIMERGY TX1310 M1

Software Configurator 32 bit

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY 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 **)

- Red Hat EL (OEM): LO

ServerView Resource Orchestrator VE*)
Virtual Edition (ROR VE) Resource management
Windows, Linux, Vmware, Solaris Server
for PRIMERGY BX/RX/TX, PRIMEQUEST, SPARC

ServerView Resource Orchestrator CE*)
Cloud Edition (ROR CE) Resource orchestration
Windows, Linux, Vmware, Solaris Server
for PRIMERGY BX/RX/TX, PRIMEQUEST, SPARC

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

*) Please consult the ROR VE release and ordering information in the Extranet under
    https://partners.ts.fujitsu.com/com/products/software/resco/Pages/default.aspx
*) Please consult the ROR CE release and ordering information in the Extranet under
    https://partners.ts.fujitsu.com/com/products/software/ror/Pages/default.aspx

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/primergy/Pages/default.aspx

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

Continue with PRIMERGY HW configurator

Start PRIMERGY TX1310 M1

Software Configurator 64 bit

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY Server

OEM- SW is bound to HW and is not allowed to be ordered separately.
Exceptions: VMware SW, Citrix XenServer

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 Hyper-V Server 2012 R2
- Microsoft Hyper-V Server 2012 R2 - Free Microsoft Download

Microsoft Hyper-V Server 2012
- Microsoft Hyper-V Server 2012 - Free Microsoft Download

Microsoft - Windows Server 2012 R2 Server Licenses
- Windows Server 2012 R2 Datacenter
- Windows Server 2012 R2 Standard
- Windows Server 2012 R2 Foundation
- Windows Server 2012 R2 Essentials
- Windows Storage Server 2012 R2 Standard

Microsoft - Windows Server 2012 Client Access Licenses
- Windows Server 2012 Device CAL
- Windows Server 2012 User CAL
- Windows Server 2012 Device Remote Desktop Services Device CAL
- Windows Server 2012 Device Remote Desktop Services User CAL

Microsoft - Windows Server 2012 Server Licenses
- Windows Server 2012 Datacenter
- Windows Server 2012 Standard
- Windows Server 2012 Foundation
- Windows Server 2012 Essentials
- Windows Storage Server 2012 Standard

Microsoft - Windows Server 2012 Client Access Licenses
- Windows Server 2012 Device CAL
- Windows Server 2012 User CAL
- Windows Server 2012 Device Remote Desktop Services Device CAL
- Windows Server 2012 Device Remote Desktop Services User CAL

Microsoft - Windows Server 2008 R2 Server Licenses
- Windows Server 2008 R2 Datacenter
- Windows Server 2008 R2 Enterprise
- Windows Server 2008 R2 Standard
- Windows Server 2008 R2 Foundation

Microsoft - Windows Small Business Server 2011
- Windows Small Business Server Standard 2011
- Windows Small Business Server 2011 Premium Add-on

Microsoft Windows Small Business Server 2011 Client Access
- Windows Small Business Server 2011 Standard I Premium Device CAL
- Windows Small Business Server 2011 Standard I Premium User CAL
- Windows Server 2008 Remote Desktop Services Device CAL
- Windows Server 2008 Remote Desktop Services User CAL

Microsoft - Windows Server 2008 Client Access Licenses
- Windows Server 2012 Device CAL
- Windows Server 2012 User CAL
- Windows Server 2012 Remote Desktop Services Device CAL
- Windows Server 2012 Remote Desktop Services User CAL
- Windows Server 2008 Remote Desktop Services Device CAL
- Windows Server 2008 Remote Desktop Services User CAL

Linux - Software *) **)
only EM64T
- Red Hat EL (OEM): LO

ServerView Resource Orchestrator VE*)
Virtual Edition (ROR VE) Resource management
Windows, Linux, Vmware, Solaris Server
for PRIMERGY BX/RX/TX, PRIMEQUEST, SPARC

ServerView Resource Orchestrator CE*)
Cloud Edition (ROR CE) Resource orchestration
Windows, Linux, Vmware, Solaris Server
for PRIMERGY BX/RX/TX, PRIMEQUEST, SPARC

Symantec Veritas Storage Foundation Standard	W-SFW
Symantec Veritas Storage Foundation Enterprise	W-SFEW
Win Server 2008, 2008 R2, 2012	

*) Please consult the ROR VE release and ordering information in the Extranet under
https://partners.ts.fujitsu.com/com/products/software/resco/Pages/default.aspx

*) Please consult the ROR CE release and ordering information in the Extranet under
https://partners.ts.fujitsu.com/com/products/software/ror/Pages/default.aspx

Manageability Software: V)**
only EM64T
- iRMC advanced Pack
- RemoteView Software
- RemoteView Service Board
- RemoteView Diagnosis
- RemoteDeploy

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

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

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

for Internal users: https://partners.ts.fujitsu.com/com/products/servers/primergy/opsys/relcurrsys/Pages/default.aspx
for partners: https://partners.ts.fujitsu.com/com/products/servers/primergy/opsys/relcurrsys/Pages/default.aspx

Continue with PRIMERGY HW configurator

Start PRIMERGY TX1310 M1

Section	I	Basic unit

System unit consisting of:
* Housing including standard power supply (no redundancy)
* Imprint of MAC Adress on system label and delivery note as standard
* heat sink for CPU

Systemboard with:
* 4 PCI expansion slots:
        1x PCIe Gen2 x1, mechanically x4   (not available for S26361-K1488-V201 base unit)
        1x PCIe Gen2 x4, mechanically x8   (not available for S26361-K1488-V201 base unit)
        2x PCIe Gen3 x8, notched (possible to plug x16 cards)
* Slot for optional TPM module
* 4 memory slots for up to 32GB (1600MHz PC3 12800) unbuffered DDR III RAM (ECC)
  max. 8GB modul per slot   (2 memory slots for S26361-K1488-V201 base unit)
* 2 bays 5.25" for accessible drives
* 4 LFF (3.5" Large Form Factor) bays 1" high for no hot plug SATA HD
* SATA controller with up to 4 HDD's using Intel C226 Chipset
* Intel CPU internal Graphics Controller (pGFX) with shared Memory
      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 ("Clarkville" Intel i217LM) on-board LAN supporting WoL and PXE
* Intel 10/100/1000 Mb/s ("Springville" Intel i210) on-board LAN supporting WoL, PXE and iSCSI boot

Cables included in Base Unit:
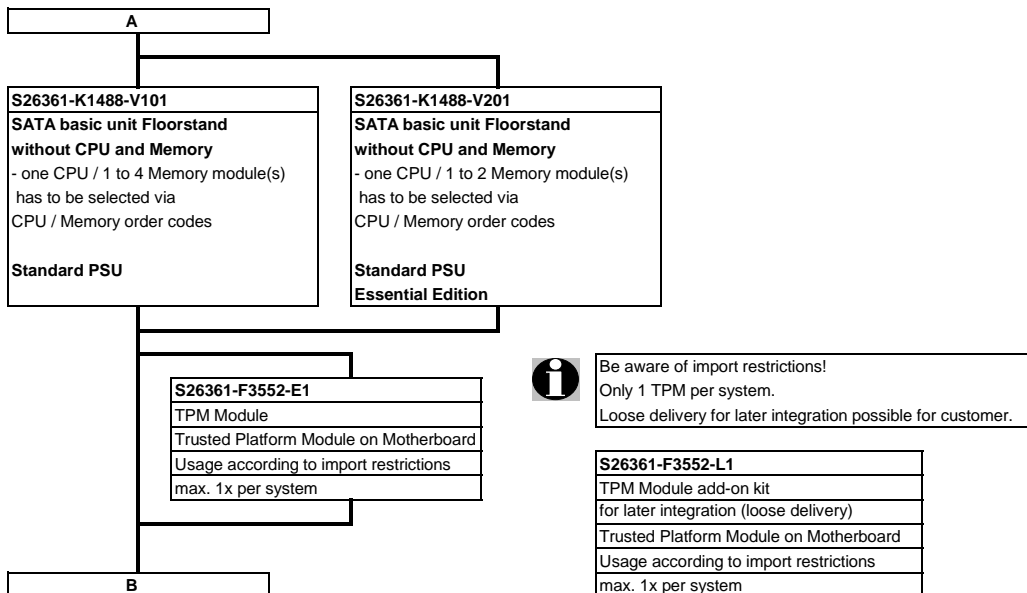**1. SATA cabel for CD/DVD**
2. 4 x SATA cabel in basic unit

ServerView Suite Software package incl. ServerView Installation Manager, Management Software and Updates

External Interfaces:
1x RS-232-C (serial, 9 pins)
1x VGA (15 pins)
1xUSB3.0 Intern (Type A) for backup devices or USB Stick
4x USB 3.0 (2x frontside, 2x rearside)
5x USB 2.0 (4x rearside, 1x internal USSD / UFM)
2x LAN RJ45

A

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S26361-K1488-V101
SATA basic unit Floorstand
without CPU and Memory
- one CPU / 1 to 4 Memory module(s)
has to be selected via
CPU / Memory order codes
Standard PSU

S26361-K1488-V201
SATA basic unit Floorstand
without CPU and Memory
- one CPU / 1 to 2 Memory module(s)
has to be selected via
CPU / Memory order codes
Standard PSU
Essential Edition

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

(i) Be aware of import restrictions!
Only 1 TPM per system.
Loose delivery for later integration possible for customer.

S26361-F3552-L1
TPM Module add-on kit
for later integration (loose delivery)
Trusted Platform Module on Motherboard
Usage according to import restrictions
max. 1x per system

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	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 TLC)
  occupies socket for one CPU

Celeron
Celeron G1820 2.7GHz 2C/2T 2MB 1333MHz (54W)	S26361-F3581-E182	on special release

Pentium
Pentium G3420 3.2GHz 2C/2T 3MB 1600MHz (54W)	S26361-F3581-E232

Core i3
Core i3-4330 3.5GHz 2C/4T 4MB 1600MHz (54W)	S26361-F3581-E243

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

Xeon E3-1226v3 3.3GHz 4C/4T 8MB 1600MHz Turbo (84W)	S26361-F3581-E522
Xeon E3-1246v3 3.5GHz 4C/8T 8MB 1600MHz Turbo (84W)	S26361-F3581-E524

> **i** XEON and Core i3 not available for
> S26361-K1488-V201 base unit

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. 32GB unbuffered DDR3 RAM for UDIMMs with 8GB modules
> Note**: Memory is not included in the base unit and has to be configured separately, min 1x.

2/4x

- One **DDR3-** ub ECC memory module, 1.35V	
4GB (1x4GB) 1Rx8 L DDR3-1600 U ECC	S26361-F5312-E514
8GB (1x8GB) 2Rx8 L DDR3-1600 U ECC	S26361-F5312-E518
Choose up to 2/4 order codes above.	

Section   IV   Graphics

> **i** Intel CPU internal Graphics Controller (pGFX) with 64MB RAM

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 hight 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 2

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

	C

C

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

S26361-F3266-E2	**S26361-F3267-E2**	**S26361-F3641-E4**
DVD-ROM 16/48x	DVD-RW 16x super multi drive	Blu-ray Triple Writer slim SATA
	all formats, DUAL/DL, DVD-RAM	4x BD-RW, 8x DVD, 24x CD
SATA	SATA	BD DL and all CD/DVD formats
incl. description (Ger/US)		with mounting frame 0.5" -> 1.6"
1.6 x 5.25", black bezel	1.6 x 5.25", black bezel	1.6 x 5.25", black bezel
max. 1x per system	max. 1x per system	max. 1x per system

ℹ RDX cartridges must be ordered separately
RDX 320GB = S26361-F3857-L320
RDX 500GB = S26361-F3857-L500
RDX 1TB = S26361-F3857-L600
10x RDX320 = S26361-F3857-L329

S26361-F3750-E4
RDX Drive USB3.0 5.25" internal
100MB/s, USB 3.0
Connector: USB 3.0 "B"
with USB cable
without RDX cartridges
1.6 * 5.25", black bezel
max. 1x per system

ℹ The drive is also available as optional (loose) delivery
S26361-F3750-L4 with USB3.0 cable.

ℹ If the drive is removed you need the blind cover
S26361-F2542-L328 as an replacement for the drive.

ℹ No plug in controller required. The RDX will be
connected with the internal USB3.0 port of the MoBo.

S26361-F3750-E324
RDX 320 5.25"
100MB/s, USB 3.0
Connector: USB 3.0 "B"
with USB3.0 cable
with 320GB RDX cartridge
1.6 * 5.25", black bezel
max. 1x per system

S26361-F3750-E504
RDX 500 5.25"
100MB/s, USB 3.0
Connector: USB 3.0 "B"
with USB3.0 cable
with 500GB RDX cartridge
1.6 * 5.25", black bezel
max. 1x per system

S26361-F3750-E604
RDX 1000 5.25"
100MB/s, USB 3.0
Connector: USB 3.0 "B"
with USB3.0 cable
with 1TB RDX cartridge
1.6 * 5.25", black bezel
max. 1x per system

ℹ
Following USB Components are available	
1) USB DVD SM / Blu-Ray	
External SuperMulti Drive	S26341-F103-L126
External Blu-Ray Drive	S26341-F103-L127
2) USB Memorybird:	
MyUSBS A910 8GB, MLC Flash	S26391-F6048-L208
MyUSBS A910 16GB, MLC Flash	S26391-F6048-L216
MyUSBS A910 32GB, MLC Flash	S26391-F6048-L232

D

D

Section	VI	RAID-Controller

ℹ HW RAID not Implemented in TX1310 M1.

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

ECO SATA 6Gb/s HD 3.5" non hot plug	
250GB 7.200rpm,<9,0ms, 8MB Cache	**S26361-F3701-E250**
500GB 7.200rpm,<9,0ms, 8MB Cache	**S26361-F3701-E500**
Choose up to 4 order codes above.	

Business Critical (BC) SATA 6Gb/s HD 3.5" non hot plug	
500GB 7.200rpm,<9,0ms, 64MB Cache	**S26361-F3671-E500**
1000GB 7.200rpm,<9,0ms, 64MB Cache	**S26361-F3671-E100**
2000GB 7.200rpm,<9,0ms, 64MB Cache	**S26361-F3671-E200**
3000GB 7.200rpm,<9,0ms, 64MB Cache	**S26361-F3671-E300**
4000GB 7.200rpm,<9,0ms, 64MB Cache	**S26361-F3671-E400**
Choose up to 4 order codes above.	

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Section   VIII   Communication / Network

1x

S26361-F4610-E2
  (Intel I350-T2)
Gigabit Ethernet Controller Dual 1000TX
PLAN CP 2x1Gbit Cu Intel I350-T2 LP
Intel Powerville based 2 port Server Adapter
PCIe x4, Low Profile
low profile (LP) bracket
ext: for RJ45-plug, Cat 5
max. 1x per system

Loose delivery with
FH and LP bracket included:
S26361-F4610-L502

2x

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

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F

Section   IX   Miscellaneous

Section   X   Country specific power cords, Keyboard, Mouse

USB keyboards for following countries:

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
	Germany / Int	S26381-K341-E122
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

Optional Mouse
S26381-K457-E100   Mouse M510 black
S26381-K457-E101   Mouse M510 grey

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

S26361-F1452-E100	S26361-F1452-E110
REGION KIT EMEA AP	REGION KIT JP
For Shipments to EMEA / Asia and Pacific regions	For Shipments to Japan regions
1x per system	1x per system

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 TX1310 M1

Change Report

Date	Order number	Changes
2014-05-15		added Infoboxes for RDX
2014-03-31		First Release