

PRIMERGY TX100 S1

System configurator and order-information guide

February 2010

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PRIMERGY Server

Instructions

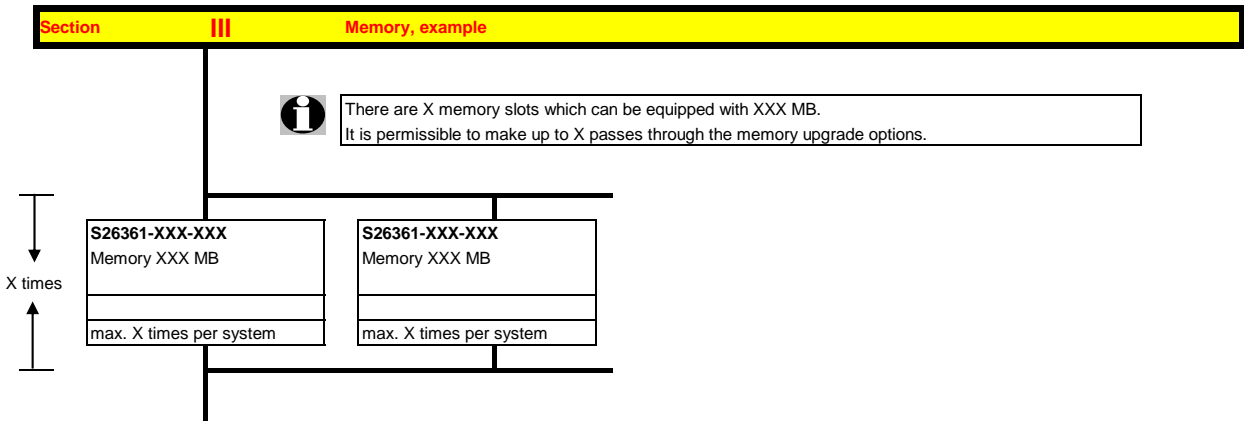
This document contains basic product and configuration information that will enable you to configure your system via PC-/ System-Architect.

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

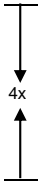
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

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)

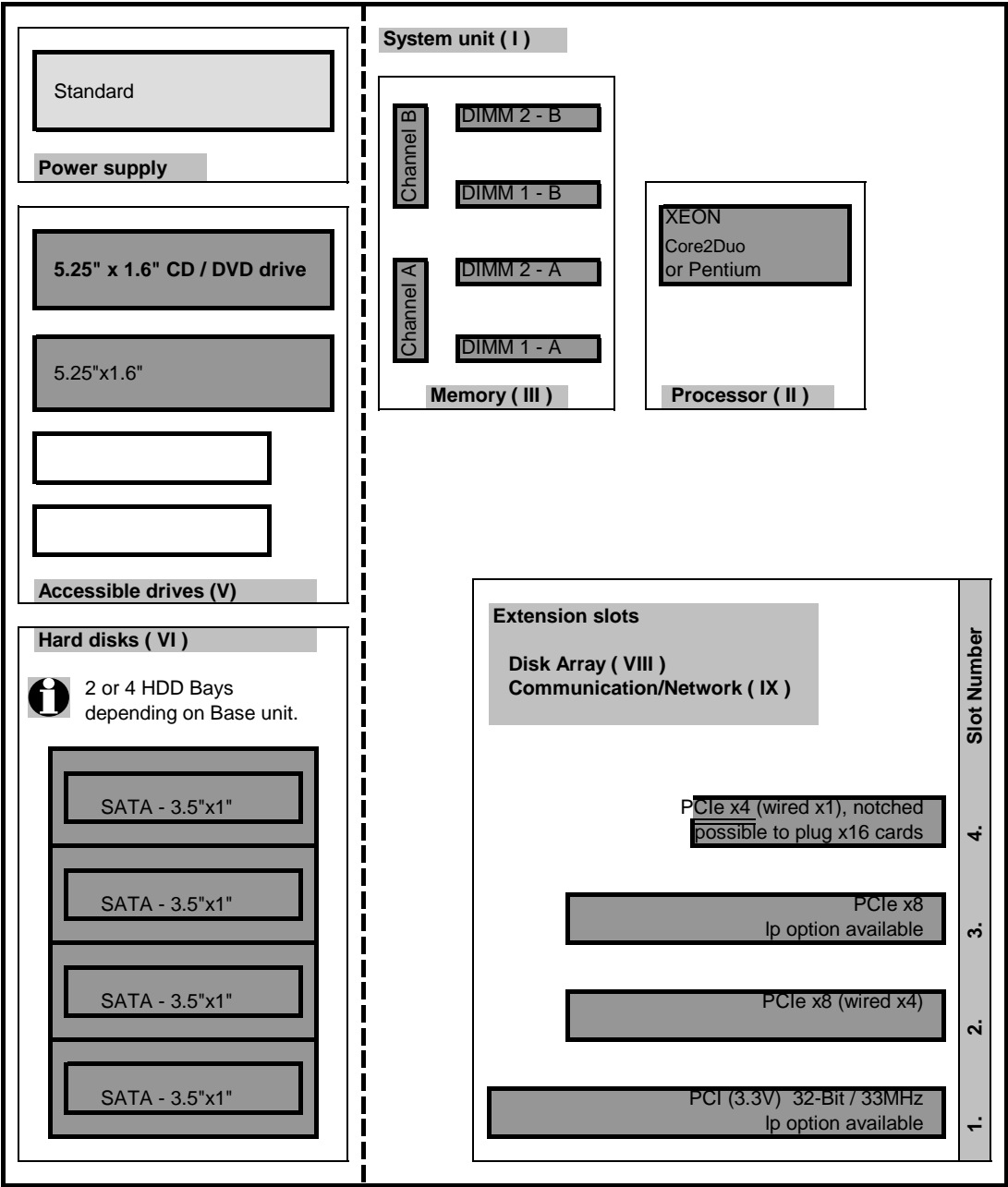
https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.aspx (extranet)

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

Configuration diagram PRIMERGY TX100 S1

FRONT VIEW

SIDE VIEW



Key:
 [Light Gray Box] Included in basic unit
 [Dark Gray Box] Option

Start PRIMERGY TX100 S1

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)



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

Manageability Software: V)**

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

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

**for internal users:
for partners:**

**Continue with PRIMERGY
HW configurator**

Start PRIMERGY TX100 S1

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.

i 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)

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

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

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

i **) Pay attention to the release and ordering information in PRINCE -> Operating System

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

for internal users:
for partners:

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

Systemboard with:

- * 4 PCI expansion slots:
 - 1x PCIe x4 (wired x1), notched (possible to plug x16 cards)
 - 1x PCIe x8; fits for lp and fh formfactor cards
 - 1x PCIe x8 (wired x4)
 - 1x long 32Bit / 33MHz (3.3V); fits for lp and fh formfactor cards
- * 4 memory slots for up to 8GB (PC2 6400) registered DDR II RAM (ECC), max. 2GB modul per slot
- * 2 bays 5.25" for accessible drives
- * 2 or 4 LFF (3.5") bays 1" high for no hot plug SATA HD (depending on base unit)
- * SATA with up to 4 HDD's over ICH-9R (Chipset)
- * ATI ES1000 32MB
- * Intel 10/100/1000 Mb/s (82566DM) on-board LAN

Cables included in Base Unit:

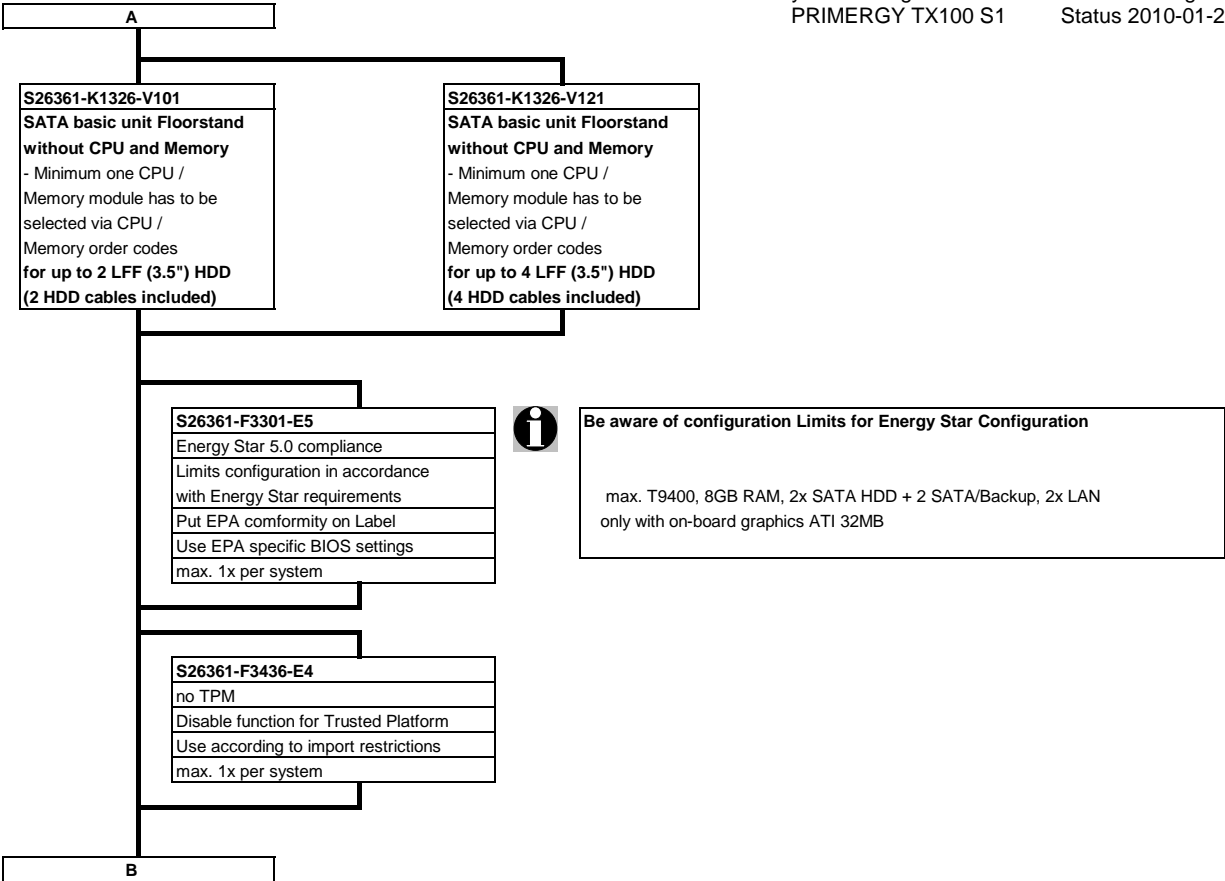
1. SATA cabel for CD/DVD
2. 2 or 4 x SATA cabel in basic unit (depending on base unit)

PS/2 mouse

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 keyboard (PS/2)
- 1x mouse (PS/2)
- 1x VGA (15 pins)
- 10x USB 2.0 (2x frontside, 6x on rearside, 2x released internal USB Interfaces for backup devices)
- 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 Core2 Duo Exx00 (2/3MB SLC) or Xeon UP (4/6MB SLC) and heat pipe occupies socket for one CPU	
Pentium DC E5200 2.50GHz 2MB 800MHz FSB (65W)	S26361-F3582-E520
Pentium DC E5400 2.70GHz 2MB 800MHz FSB (65W)	S26361-F3582-E540
Pentium DC E6300 2.80GHz 2MB 1066MHz FSB (65W)	S26361-F3582-E630
Pentium DC E6500 2.93GHz 2MB 1066MHz FSB (65W)	S26361-F3582-E650
Core2 Duo E7400 2.80GHz 3MB 1066MHz FSB (65W)	S26361-F3582-E740
Core2 Duo E7600 3.06GHz 3MB 1066MHz FSB (65W)	S26361-F3582-E760
Xeon UP E3110 3.00GHz 6MB 1333MHz FSB (65W)	S26361-F3503-E210
Xeon UP E3120 3.16GHz 6MB 1333MHz FSB (65W)	S26361-F3503-E220
Quad-Core CPU's	
- 1x 64-bit Intel Xeon UP (6/8MB SLC = Second Level Cache on Chip) and heat pipe occupies socket for one CPU	
Xeon UP X3220 2.40GHz 2x4MB 1066MHz FSB (95W)	S26361-F3504-E220
Xeon UP X3330 2.66GHz 6MB 1333MHz FSB (95W)	S26361-F3504-E330

Section III Memory



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.

S26361-F3372-E413

Main memory 1GB ECC
 DDR2 800/PC2-6400 unbuffered
 consisting of one module
 max. 4x per system

S26361-F3372-E414

Main memory 2GB ECC
 DDR2 800/PC2-6400 unbuffered
 consisting of one module
 max. 4x per system

Section IV Graphics



ATI ES1000 (32MB) on board

S26361-F2748-E533

PY VGA Card 256MB PCI-e x1
 NVIDIA Quadro NVS 290
 256 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
 not supported for Linux OS (native)
 full height bracket
 max. 1x per system



The high end optional NVIDIA NVS290 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.
 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-L533

PY VGA card 256MB PCI-e x1
 for loose delivery

C

C

Section V Accessible drives



There are 2 drive bays (2x 5,25") for accessible drives.
 While stock lasts a FDD may be used in Projects only.

Following USB Components are available	
1) USB DVD+-RW: Super Multi DVD slim drive	S26391-F7119-L100 (USB cable included)
2) FDD USB (external): external USB FDD	S26391-F264-L226 (USB cable included)
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: MyUSB P910 8GB	S26391-F6047-L208

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
only W2K, W3K and Linux
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-F3324-E4 Tape drive DDS Gen5 USB 5.25"
36GB, 3MB/s, USB 2.0
Connector: USB "B"
with USB cable kit
incl. description (Ger/US)
data and cleaning cartridge
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3325-E4 Tape drive DDS Gen6 USB 5.25"
80GB, 3MB/s, USB 2.0
Connector: USB "B"
with USB cable kit
incl. description (Ger/US)
data and cleaning cartridge
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3857-E4 RDX drive USB 5.25" internal
80-160GB, 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



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

D

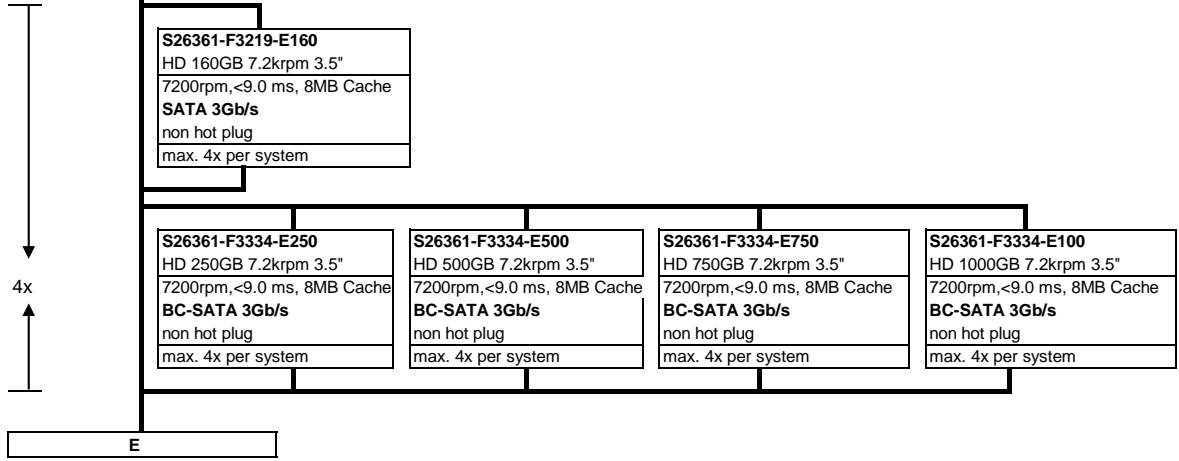
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Section VI RAID-Controller

Section VII Hard disk drives

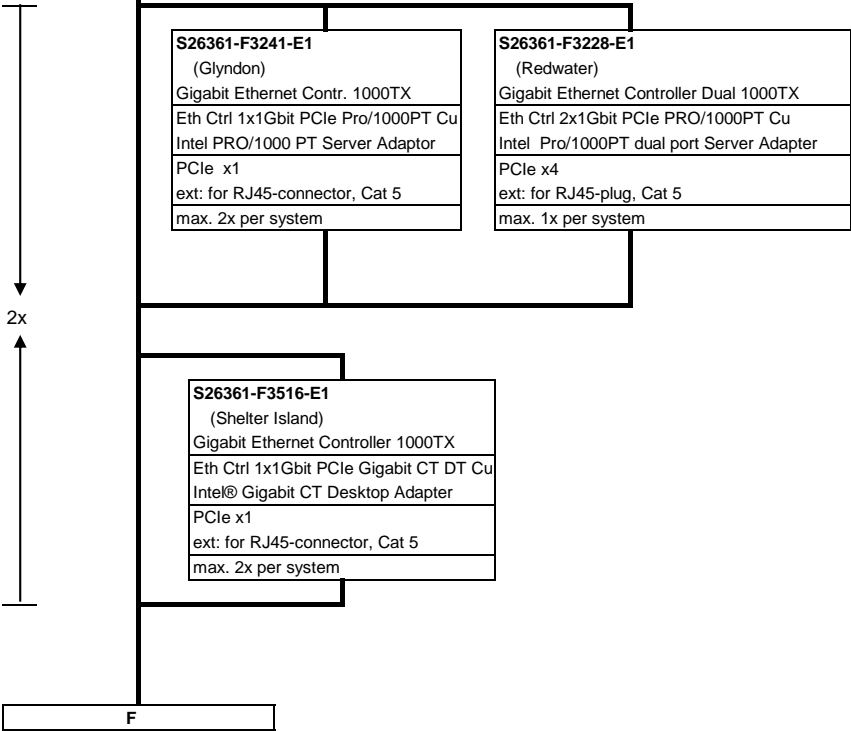


There is a 6 port SATA controller in the Base Unit.
 Up to 4 SATA LFF (3.5") hard disks can be configured.



E

Section VIII Communication / Network



F

Section IX Miscellaneous

S26361-F2742-E30
Paralell Interface option
 occupies one card slot
 max. 1x per system

S26361-F2542-E323
Key lock in side door option
 black
 max. 1x per system

Section X Country specific power cords

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

USB-Keyboards for following countries:

- KBPC PX, professional keyboard		- KBPC SX, standard keyboard	
S26381-K340-E110	USA / international	S26381-K397-E110	USA / international
S26381-K340-E120	Germany	S26381-K397-E120	Germany
S26381-K340-E140	France	S26381-K397-E140	France
S26381-K340-E155	Sweden / Finland	S26381-K397-E155	Sweden / Finland
S26381-K340-E165	United Kingdom	S26381-K397-E165	United Kingdom
S26381-K340-E180	Spain	S26381-K397-E180	Spain
S26381-K340-E185	Italy	S26381-K397-E185	Italy



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 S1

