PRIMERGY TX1320 M6
Compact Tower Server

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	Description	System Description for easier understanding
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12		Fibre Channel Controller (n.a. for TX1320 M6)
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16	others	System Management, ATD, RS232 port, TPM module

Instructions

This document contains basic product and configuration information that supports you in more complicated configurations.

In any case we recommend to use the WebArchitect to make sure, that you configure a valid system.

This System configurator is divided into several chapters. They are identical to the current price list and WebArchitect.

Please follow this document step by step from the top to the bottom.

Chapter xx - description of chapter

Text fields with grey color offer extra information for related topics (e.g prerequesites, technical back ground, configuration rules, limitations, ...

For example:

S26361-F4610-E2 **S26361-F4610-L3**	<-- order code E-part (bold) -- <-- order code L-part (bold)
PLAN 2x1Gb Ethern. Controller	<-- "name" of this part
i350-T2 chip (based on Intel Powerville) offers 2x1Gb RJ45 connectors	<--description of this part, in same cases as well description of content
PCIe Gen2 x4 full height card	<--requires a free PCIe slot --> means total amount of PCIe slots reduced
max. 6x per system	<--indicates how often this part can be configured in the related Server

PYBVAP04 **PY-VAP04**	<-- "PYB" order code (bold) for BTO(Built to Order) part <-- "PY-" order code (bold) for Loose delivery part
Front VGA connector (15-pin)	<-- "name" of this part
Front VGA connector (15-pin) including cable and front connector	<--description of this part, in same cases as well description of content
Not for 10x3.5", 32xEDSFF Base unit	<-- Limitation for this part
max. 1x per system	<--indicates how many this part can be configured in the related Server

For further information see:

Link to datasheet:
https://sp.ts.fujitsu.com/dmsp/Publications/public/ds-py-tx1320-M6.pdf

https://www.fujitsu.com/global/products/computing/servers/primergy/index.html
(internet)

https://extranet.ts.fujitsu.com/com/tools/configure/server/Pages/default.aspx
(extranet)

Fujitsu is providing the content of this document with very high accuracy. In case you identify a mistake, we would kindly encourage you to inform us. We kindly ask for understanding, that errors still may occur and that Fujitsu may change this document without notice

Abbreviations

SAS	Drives, RAID	Serial attached SCSI Device (HDD, SSD, LTO drives); SAS3.0 = 12GBit/s; SAS4.0 = 24GBit/s
SATA	Drives, RAID	Serial ATA (HDD, SSD) current SATA speed = 6GBit/s
HDD	Drives	Hard disk drive (Non volatile storage device), 2.5" (SFF) or 3.5" (LFF)
SSD	Drives	Solid state disk (Non volatile storage device), 2.5" (SFF)
SFF	Drives	small form factor (=2.5")
LFF	Drives	large form factor (=3.5")
CPU	Processor	central processing unit ("processor")
RAID	Drives, RAID	RAID 0 = max speed, RAID 1 = mirroring, RAID 5 = 1 out of x drives is spare
storage tiering	RAID	offers optimized storage allocation (fast area for "hot data"; slower area for "cold data")
hot data	Drives	Data which are currently being processed
cold data	Drives	Data which are currently not processed (only stored)
ODD	Drives	optical disk drive (i.e. DVD-player, DVD-burner, Blu ray player, blu ray burner)
OS	operating system	OS=operating system - required for running, organize and administrating the server
E-Part	"Einbau-Part"	"e.g. S26361-F1234-**E**240" ordercode with "E" means it is either integrated into to Server (CPU, Mem, ..) or integrated in the shipping box /Keyboard, Mouse, ..)
L-Part	"Lose Lieferung-Part"	"e.g. S26361-F1234-**L**240" ordercode with "L" means, the part will be shipped with extra package, may be as well with extra shipment

The PRIMERGY TX1320 M6 Server is available in 3 versions:

Start

choose base unit

- Easy change base unit for 2x 3.5" non hot plug HDD w/std. PSU
- hot plug base base unit for 4x/8x 2.5" hot plug HDD/SSD w/std. PSU
- hot plug base base unit for 4x/8x 2.5" hot plug HDD/SSD w/red. PSU

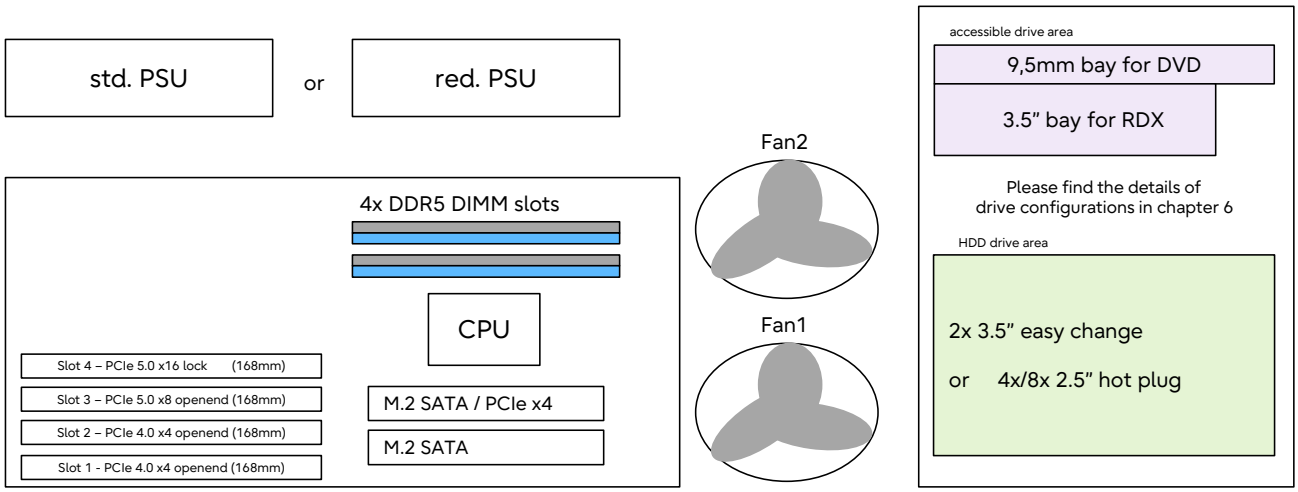
choose backup option

- Independent from the base unit you can configure an RDX backup drive

choose optical drive

- Select 9,5mm DVD or Blu Ray drive

Please find all details, possible and released configurations in the chapter 6 - "HD_cage"



recommended components for TX1320 M6	#
embedded Lifecycle Management (eLCM)	1x

Chapter 1 - base unit

Start

Base Unit
For the PRIMERGY TX1320 M6 you can choose between different base units:
- a version using a standard or an hot plug PSU and supporting up to 2x 3.5" easy change (non hot plug) SATA HDDs
- a version using either a standard or an hot plug PSU and supporting up to 4x/8x 2.5" hot plug SAS/SATA HDDs
or 4x 2.5" hot plug SAS/SATA HDDs

HDD Extension Box
The base units supporting hot plug HDDs may be extended to 8x 2.5" HDD by using the optional 2nd HDD backplane.

Server Management
iRMC S6 (integrated Remote Management Controller) on-board with dedicated (or shared) 10/100/1000 Service LAN-port and integrated graphics controller. With the integrated onboard indicators and controls You can highlight easily failed components via LEDs. The LEDs can be displayed during service even without mains connection by simply pressing the "indicate CSS" button.

Platform
Fujitsu Systemboard D4132 based on Chipset Intel® C266
> cables for connection to the modular or onboard controllers included
> Xeon E2400 series CPUs and Pentium CPUs
Slots:
Slot 4 PCIe 5.0 x8 or x16 (with lock) - supports GPGPU/GPU or RAID card option
Slot 3 PCIe 5.0 x8 or x0 (openend) - supports GPGPU/GPU or RAID card option
Slot 2 PCIe 4.0 x4 (openend)
Slot 1 PCIe 4.0 x4 (openend)
All PCIe slots are low profile (lp) with supporting cards w/ max 168mm length
***Slot 4 and Slot 3 can be switched 2x PCIe 5.0 x8 or 1x PCIe 5.0 x16**

System RAM
Up to DDR5 4400 MT/s
4 memory slots for max. 128GB DDR5 RAM.

LAN
2x Intel i210 Gigabit Ethernet

Software
*** ServerView Suite Software incl. ServerView Installation Manager, Management Software and Updates is optional available**

Connectivity	
Interfaces at rear side	Interfaces at front
2x LAN RJ45 (1 Gbit)	1x USB 3.2 Gen2x2 Type C
1x service LAN RJ45 (1 Gbit)	1x USB 3.2 Gen1 Type A
1x VGA (15 pins)	Interfaces internal
6x USB 3.2 Gen1 Type A	1x internal USB 3.2 Gen1 connectors for backup devices
1x RS-232-C (serial, 9 pin) - optional	2x M.2 (80mm and 110mm)modules: 1x SATA/NVMe(PCIe x4) and 1x SATA
	1x Mini SATA (4x SATA 6G)

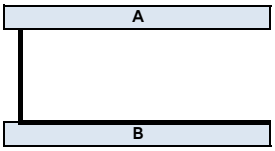
For converting the base units with standard PSU, to converet redundant PSU use this conversion kit: **PY-TKPC05**

hot plug HDD
PYT1326T2S
TX1320 M6 SFF Base Unit w/ std. PSU (2.5" HDD)
PYT1326T2N
TX1320 M6 SFF Base Unit w/ red. PSU (2.5" HDD)

easy change HDD
PYT1326T3S
TX1320 M6 LFF Base Unit w/ std. PSU (3.5" HDD)
PYT1326TAN
TX1320 M6 LFF Base Unit w/ red. PSU (3.5" HDD)

A

Chapter 2 - Rack architecture



Rackmount not supported by TX1320 M6

Chapter 3- CPU

B

One of following CPU´s has to be selected for an orderable basic unit(max 1x)

Pentium (Alder Lake) 64-bit Intel Pentium processor supporting DDR5 @ 4800MT/s		order code (BTO)	order code (Loose delivery)
Pentium Gold G7400	2C/4T 3.7GHz 6MB 4800MT/s 46W	PYBCP67C1	-
Xeon E-24xx (Raptor Lake-E) 64-bit Intel Xeon processor supporting DDR5 @ 4800MT/s		order code (BTO)	order code (Loose delivery)
Xeon E-2414	4C/4T 2.6GHz 12MB 4800MT/s Turbo 55W	PYBCP67E7	-
Xeon E-2434	4C/8T 3.4GHz 12MB 4800MT/s Turbo 55W	PYBCP67E8	-
Xeon E-2436	6C/12T 2.9GHz 18MB 4800MT/s Turbo 65W	PYBCP67E1	-
Xeon E-2456	6C/12T 3.3GHz 18MB 4800MT/s Turbo 80W	PYBCP67E2	-
Xeon E-2486	6C/12T 3.5GHz 18MB 4800MT/s Turbo 95W	PYBCP67E3	-
Xeon E-2468	8C/16T 2.6GHz 24MB 4800MT/s Turbo 65W	PYBCP67E4	-
Xeon E-2478	8C/16T 2.8GHz 24MB 4800MT/s Turbo 80W	PYBCP67E5	-
Xeon E-2488	8C/16T 3.2GHz 24MB 4800MT/s Turbo 95W	PYBCP67E6	-

C

Chapter 4 - DDR5 System memory

C

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.

The memory speed depends on memory configuration:
Single channel memory configuration : max. 4,400 MT/s
Dual channel memory configuration(1R) : max. 4,000 MT/s
Dual channel memory configuration(2R) : max. 3,600 MT/s

Max. 128GB unbuffered DDR5 RAM for UDIMMs with 32GB moduls

Memory module is not included in the base unit and has to be configured min 1x memory modules.
All memory module installing in one system must be identical.
Any mix of different memory modules with different order code is not supported.

16GB DDR5 Unbuffered DIMM 4800MT/s 1R x8		**order code (BTO)**	**order code (loose delivery)**
16GB (1x16GB) 1Rx8 DDR5-4800 U ECC	single rank	PYBME16UH	PY-ME16UH
32GB DDR5 Unbuffered DIMM 4800MT/s 2R x8		**order code (BTO)**	**order code (loose delivery)**
32GB (1x32GB) 2Rx8 DDR5-4800 U ECC	dual rank	PYBME32UH	PY-ME32UH
min 1x / max 4x for System			

D

Chapter 5 - Graphics cards

D

The different GPU mixed configuration does not support.

PYBVG4T2L **PY-VG4T2L**
NVIDIA T400
NVIDIA T400 4GB GDDR6 PCIe 3.0 x16 Connectors: 3x Mini-DP no cable kit included power cables from PSU need to be ordered separately.
Low profile
max. 1x per system

The high end optional NVIDIA Quadro T400 graphic card offers triple head operation and full 3D video support.
The cables kit is not included. It is necessary to order cable kit.
Remote Video direction via iRMC must be disabled.

S26361-F4066-E11 **S26361-F4066-L11**
MiniDP-DP ADAPTER
max. 3x per card

S26361-F4066-E11 is
One cable case
S26361-F4066-E12(1pcs) or S26361-F4066-E13(1pcs)

Two cables case
S26361-F4066-E12(2pcs) or
S26361-F4066-E13(2pcs) or
S26361-F4066-E12(1pcs)/ S26361-F4066-E13(1pcs)

Three cables case
S26361-F4066-E12(3pcs) or
S26361-F4066-E13(3pcs) or
S26361-F4066-E12(1pcs)/ S26361-F4066-E13(2pcs) or
S26361-F4066-E12(2pcs)/ S26361-F4066-E13(1pcs)

S26361-F4066-E12 **S26361-F4066-L12**
DP-VGA ADAPTER
max. 3x per card

S26361-F4066-E13 **S26361-F4066-L13**
DP-DVI ADAPTER
max. 3x per card

PYBVG4A8L **PY-VG4A8L**
NVIDIA A2
NVIDIA A2 Card with 16GB GDDR6 RAM.
PCIe *8 (Gen4) - single width, Low-Profile bracket, no exlernal power cable, 60W
Limitation: Not supported on base unit with Std. Powersupply base unit (PYT1326T2S, PYT1326T3S)
max. 2x per system

PYBVG4L1L **PY-VG4L1L**
NVIDIA L4
NVIDIA L4 24GB GDDR6 memory. PCIe Gen4
PCIe *16 (Gen4) - single width, Low-Profile bracket, no exlernal power cable, 70W
Limitation: Not supported on base unit with Std. Powersupply base unit (PYT1326T2S, PYT1326T3S)
max. 2x per system

PY-TKHP03
Cooling kit for high-performance option with SFF Base Unit
Contains all necessary parts to support NVIDIA A2/L4 Necessary for NVIDIA A2/L4 loose delivery with PYT1326T2N
Updating system information with using the Chassis ID Prom tool is necessary
max. 1x per system

PY-TKHP02
Cooling kit for high-performance option with LFF Base Unit
Contains all necessary parts to support NVIDIA A2/L4 Necessary for NVIDIA A2/L4 loose delivery with PYT1326TAN
Updating system information with using the Chassis ID Prom tool is necessary
max. 1x per system

E

Chapter 6 - HD drive cage

E

Definition:
TX1320 M6 is availabel in 4 basic versions:
1. Base unit for 2x 3.5" non hot plug SATA HDD w/ std. PSU
2. Base unit for 2x 3.5" non hot plug SATA HDD w/ hot plug PSU
3. Base unit for 4x/8x 2.5" hot plug SAS/SATA HDD w/ std. PSU
4. Base unit for 4x/8x 2.5" hot plug SAS/SATA HDD w/ hot plug PSU

In case of 2.5" SAS/SATA base unit you can configure an 2nd HDD Backplane for a total of 8x 2,5" hot plug HDD

1. for SFF SAS/SATA base units only
   (PYT1326T2S/PYT1326T2N)

2. RAID controller required

PYBBA24SH **PY-BA24SH**
2nd HDD Backplae
offers 4x SFF (2,5") hot plug HDD
max. 1x per system

F

Chapter 7 - SAS / RAID Controller

F

onboard SATA controller with SW-RAID

max number of drives depends on base units

onboard controller for SATA HDD or SSD drives					
6Gb/s SATA	Intel VROC (SATA RAID) based on chipset	No Cache	SW-RAID 0, 1, 10	1x	**onboard, included**

internal HBA and RAID controller, no 2nd Level cache

internal RAID / HBA controllers for SAS, SATA HDD or SSD drives					
PRAID CP600i LP	No Cache	RAID 0, 1, 10	1x	**PYBSR4FAL**	**PY-SR4FA**
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, supports up to 8 drives without expander supports SED (Self Encrypting Drives) requires 1x LP PCIe 4.0 x8 (int.) slot, based on LSI SAS3808					

internal RAID / HBA controllers for SAS, SATA HDD or SSD drives					
PSAS CP 2200-16i LP	No Cache	HBA + RAID 0, 1, 10, 5	1x	**PYBSC4MA1L**	**PY-SC4MA1**
16 ports 6, 12 & 24Gb/s SAS/SATA HDD/SSD, supports up to 16 SAS/SATA drives without expander requires 1x LP PCIe 4.0 x8 (int.) slot					

internal RAID controller with 2nd Level cache

internal RAID controllers for SAS, SATA HDD or SSD drives					
PRAID EP640i LP	4GB Cache	RAID 0, 1, 10, 5, 50, 6, 60	1x	**PYBSR4C63L**	**PY-SR4C63**
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, supports up to 8 drives without expander supports SED (Self Encrypting Drives) requires 1x LP PCIe 4.0 x8 (int.) slot, based on LSI SAS3908					
PRAID EP680i LP	8GB Cache	RAID 0, 1, 10, 5, 50, 6, 60	1x	**PYBSR4C6L**	**PY-SR4C6**
16 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, supports up to 16 SAS/SATA drives without expander supports SED (Self Encrypting Drives) requires 1x LP PCIe 4.0 x8 (int.) slot, based on LSI SAS3916					
optional Flash Backup Unit (FBU)					
FBU option for PRAID EP6xx: Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length			1x	**S26361-F4042-E155**	**S26361-F4042-L110**

internal RAID controllers for SAS, SATA HDD or SSD drives					
PRAID EP 3252-8i LP	2GB Cache	RAID 0, 1, 10, 5, 50, 6, 60	1x	**PYBSR4MA1L**	**PY-SR4MA1**
8 ports 6, 12 & 24Gb/s SAS/SATA HDD/SSD, supports up to 8 drives without expander supports SED (Self Encrypting Drives) requires 1x LP PCIe 4.0 x8 (int.) slot					
optional Flash Backup Unit (FBU)					
FBU option for PRAID EP 325x: Supercap securing the power supply of the RAID controller in case of power failure including cable with 46cm length			1x	**PYBFBM012**	**PY-FBM01**

up to 1x FBU can be integrated per System

Cable kit for upgrade cards: For upgrade L-parts RAID/HBA controller card(EP6xxi/CP6xxi), L-parts Cable kit is required.
Cable Kit for EP6xxi/CP6xxi/EP325x/CP2200 : **PY-CBS118**

G

Chapter 8 - ODD optical disk drives

G

S26361-F3778-E1 **S26361-F3778-L1**	**S26361-F3641-E6** **S26361-F3641-L6**	**S26361-F3718-E2** **S26361-F3718-L2**
DVD-RW supermulti ultra slim	Blu-ray Triple Writer ultra slim	DVD-ROM ultra slim
all formats, DUAL/DL, DVD-RAM only W2K, W3K and Linux	6x BD-RW, 8x DVD, 24x CD, BD DL and all CD/DVD formats	16x DVD; 48x CD-ROM
9.5mm, black bezel	9.5mm, black bezel	9.5mm black bezel
max. 1x per system	max. 1x per system	max. 1x per system

H

Chapter 9 - backup drives

Definition:
TX1320 M6 is availabel in 4 basic versions:
1. Base unit for 2x 3.5" non hot plug SATA HDD w/ std. PSU
2. Base unit for 2x 3.5" non hot plug SATA HDD w/ hot plug PSU
3. Base base unit for 4x/8x 2.5" hot plug HDD w/ std. PSU
4. Base base unit for 4x/8x 2.5" hot plug HDD w/ hot plug PSU

In any case an RDX backup drive may be configured.

H

RDX drive				
RDX drive is not including Cartridge.				
RDX Drive cage (w/o cartriges)	USB 3.0, 3.5 inch / Half Height	1x	**S26361-F3750-E5**	**S26361-F3750-L5**

RDX				
RDX Cartrridge				
RDX Cartridge 500GB		-	-	**S26361-F3857-L500**
RDX Cartridge 1TB		-	-	**S26361-F3857-L600**
RDX Cartridge 2TB		-	-	**S26361-F3857-L700**
RDX Cartridge 4TB		-	-	**S26361-F3857-L900**

I

Chapter 10 - storage drives

SATA drives can be connected to the onboard Controller (max. 4x), or require a dedicated SAS / RAID Controller.
SAS drives require a dedicated SAS / RAID Controller.
PCIe-SSDs require a dedicated RAID Controller.
FIPS and SED drives are Self Encrypting Drives, and they require either a RAID controller with SED support or an HBA and in addition a software instance, supporting SED Key Management. It is strongly recommended to order a RAID controller with SED function for SED/FIPS drives.

SATA, SAS and PCIe drives can be mixed based on RAID spec, but cannot be used in one logical RAID volume.
FIPS and SED drives can be mixed based on RAID spec, but cannot be used in one logical RAID volume.
One logical RAID volume must be created the same order code products.

Hard Disk Sector Format Information:
512n HDD: 512 byte sectors on the drive media.
512e (e=emulation) HDD: 4K physical sectors on the drive media with 512 byte logical configuration.
DWPD: Drive Writes Per Day over 5 years.

When using SSDs with VMware ESXi, select the SSDs that meet the endurance requirement described in KB2145210 below.
https://kb.vmware.com/kb/2145210

HDD Classes:
Economic (ECO) SATA: Entry Class Drives, for non critical applications.
Business-Critical (BC) -SATA=Nearline SATA Enterprise Drives / 7.2Krpm, SATA 6G.
Business-Critical (BC) -SAS=Nearline SAS Enterprise Drives / 7.2Krpm, SAS 12G .
Mission-Critical (MC)=SAS 10K and SAS 15K Enterprise Drives with max. performance and reliability.

Warranty:
SSD and SATA DOM have a built-in Wear-Out indicator. In this case the warranty for such a component, as an exception to the system warranty, is restricted to the time period until the indicator reaches the exhaust level.

2.5" (SFF) SATA SSD

SSD SATA 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray

based on **Samsung PM897a** drives

Capacity	*Formfactor*	*Interface*	*Endurance*	*DWPD*		*order code E-part*	*order code L-part*
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3	SED	**PYBSS48NKS**	**PY-SS48NKS**
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3	SED	**PYBSS96NKS**	**PY-SS96NKS**
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3	SED	**PYBSS19NKS**	**PY-SS19NKS**
3.84TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3	SED	**PYBSS38NKS**	**PY-SS38NKS**

This SSDs can be used as Non-SED drives, but it requires a RAID controller with SED support for using as SED drives.

max. 8x - depending on base unit & configuration

SSD SATA 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray

based on **Samsung PM897** drives

Capacity	*Formfactor*	*Interface*	*Endurance*	*DWPD*		*order code E-part*	*order code L-part*
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		**PYBSS48NKQ**	**PY-SS48NKQ**
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		**PYBSS96NKQ**	**PY-SS96NKQ**
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		**PYBSS19NKQ**	**PY-SS19NKQ**
3.84TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		**PYBSS38NKQ**	**PY-SS38NKQ**

max. 8x - depending on base unit & configuration

SSD SATA 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray

based on **Micron 5400 MAX** drives

Capacity	*Formfactor*	*Interface*	*Endurance*	*DWPD*		*order code E-part*	*order code L-part*
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		**PYBSS48NQ**	**PY-SS48NQ**
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		**PYBSS96NQ**	**PY-SS96NQ**
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		**PYBSS19NQ**	**PY-SS19NQ**
3.84TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,5		**PYBSS38NQ**	**PY-SS38NQ**

max. 8x - depending on base unit & configuration

SSD SATA 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray

based on **Samsung PM893a** drives

Capacity	*Formfactor*	*Interface*	*Endurance*	*DWPD*		*order code E-part*	*order code L-part*
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0	SED	**PYBSS48NME**	**PY-SS48NME**
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0	SED	**PYBSS96NME**	**PY-SS96NME**
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0	SED	**PYBSS19NME**	**PY-SS19NME**
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0	SED	**PYBSS38NME**	**PY-SS38NME**
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0	SED	**PYBSS76NME**	**PY-SS76NME**

This SSDs can be used as Non-SED drives, but it requires a RAID controller with SED support for using as SED drives.

max. 8x - depending on base unit & configuration

SSD SATA 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray

based on **Samsung PM893** drives

Capacity	*Formfactor*	*Interface*	*Endurance*	*DWPD*		*order code E-part*	*order code L-part*
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		**PYBSS24NMD**	**PY-SS24NMD**
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		**PYBSS48NMD**	**PY-SS48NMD**
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		**PYBSS96NMD**	**PY-SS96NMD**
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		**PYBSS19NMD**	**PY-SS19NMD**
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		**PYBSS38NMD**	**PY-SS38NMD**
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		**PYBSS76NMD**	**PY-SS76NMD**

max. 8x - depending on base unit & configuration

SSD SATA 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray

based on **Micron 5400 PRO** drives

Capacity	*Formfactor*	*Interface*	*Endurance*	*DWPD*		*order code E-part*	*order code L-part*
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		**PYBSS24NME**	**PY-SS24NME**
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		**PYBSS48NMF**	**PY-SS48NMF**
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		**PYBSS96NMF**	**PY-SS96NMF**
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		**PYBSS19NMF**	**PY-SS19NMF**
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,2		**PYBSS38NMF**	**PY-SS38NMF**
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,6		**PYBSS76NMF**	**PY-SS76NMF**

max. 8x - depending on base unit & configuration

2.5" (SFF) Hard drives

HDD SAS 2.5" 10K 512n (SFF) Enterprise Mission Critical with hot plug/hot replace tray

Capacity	*RPM*	*Interface*	*Sector*		*order code E-part*	*order code L-part*
300GB	10 000	SAS 12Gb/s	512n		**PYBSH301EB**	**PY-SH301EB**
600GB	10 000	SAS 12Gb/s	512n		**S26361-F5729-E160**	**S26361-F5729-L160**
1.2TB	10 000	SAS 12Gb/s	512n		**S26361-F5729-E112**	**S26361-F5729-L112**

max. 8x - depending on base unit & configuration

HDD SAS 2.5" 10K 512e (SFF) Enterprise Mission Critical with hot plug/hot replace tray

Capacity	*RPM*	*Interface*	*Sector*		*order code E-part*	*order code L-part*
1.8TB	10 000	SAS 12Gb/s	512e		**S26361-F5730-E118**	**S26361-F5730-L118**
2.4TB	10 000	SAS 12Gb/s	512e		**S26361-F5543-E124**	**S26361-F5543-L124**

max. 8x - depending on base unit & configuration

J

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3.5" NON hot plug Drives for internal bays

HDD SATA 3.5" 7.2K 512n (LFF) Enterprise Business Critical with **NON** hot plug/hot replace tray

Capacity	*RPM*	*Interface*	*Sector*		*order code E-part*	*order code L-part*
2TB	7 200	SATA 6Gb/s	512n		**PYBBH2T2B5**	**PY-BH2T2B5**
4TB	7 200	SATA 6Gb/s	512n		**PYBBH4T2B5**	**PY-BH4T2B5**

max. 2x - depending on base unit & configuration

HDD SATA 3.5" 7.2K 512e (LFF) Enterprise Business Critical with **NON** hot plug/hot replace tray

6TB	7 200	SATA 6Gb/s	512e		**PYBBH6T2E5**	**PY-BH6T2E5**
8TB	7 200	SATA 6Gb/s	512e		**PYBBH8T2E5**	**PY-BH8T2E5**

max. 2x - depending on base unit & configuration

ECO SATA drives cannot be mixed with SAS HDD drives in same RAID Controller

HDD SATA 3.5" 5.4K (LFF) ECO with **NON** hot plug/hot replace tray

Capacity	*RPM*	*Interface*	*Sector*		*order code E-part*	*order code L-part*
1TB	5 400	SATA 6Gb/s	512e		**PYBPH1T4E**	**PY-PH1T4E**
2TB	5 400	SATA 6Gb/s	512e		**PYBPH2T4E**	**PY-PH2T4E**

max. 2x - depending on base unit & configuration

M.2 SATA SSD

M.2 drive for VMware ESXi and for other OSs cannot be mixed
M.2 SATA and M.2 PCIe drive cannot be mixed

SSD SATA M.2 drive for booting, non hot-plug, for VMware ESXi

based on **Micron 5400 PRO** drives

Capacity	*Formfactor*	*Interface*		*Category*		*order code E-part*	*order code L-part*
240GB	M.2	SATA 6Gb/s		Boot		**PYBMF24NVD**	**PY-MF24NVD**

M.2 drive is designed for use as a VMware ESXi boot drive.
2x M.2 drive for any Hypervisor by the onboard chipset Software RAID is not supported.
max. 1x per Server; in case M.2 drive is installed in connector located on Motherboard (please see folder "description"). VMware ESXi is only supported.
2x M.2 drives required; in case M.2 drives are used with PDUAL CP300.

SSD SATA M.2 drive for booting, non hot-plug

based on **Micron 5400 PRO** drives

Capacity	*Formfactor*	*Interface*	*DWPD*	*Category*		*order code E-part*	*order code L-part*
240GB	M.2	SATA 6Gb/s	1,5	Boot		**PYBMF24YN5**	**PY-MF24YN5**
480GB	M.2	SATA 6Gb/s	1,5	Boot		**PYBMF48YN5**	**PY-MF48YN5**
960GB	M.2 2280	SATA 6Gb/s	1,5	Boot		**PYBMF96YN**	**PY-MF96YN**

M.2 drive is designed for use as a boot drive with the Endurance Spec. above.
2x M.2 drive for any Hypervisor by the onboard chipset Software RAID is not supported.
max. 2x per Server; in case M.2 drive is installed in connector located on Motherboard (please see folder "description"). VMware is not supported.
2x M.2 drives required; in case M.2 drives are used with PDUAL CP300.

SSD PCIe M.2 drive for booting, non hot-plug **(will be available in CQ2'24)**

based on **Micron 7450 PRO** drives

Capacity	*Formfactor*	*Interface*	*DWPD*	*Category*		*order code E-part*	*order code L-part*
480GB	M.2 2280	PCIe4.0 x4	0,9	Boot		**PYBBS48PEA**	**PY-BS48PEA**
960GB	M.2 2280	PCIe4.0 x4	0,9	Boot		**PYBBS96PEA**	**PY-BS96PEA**

M.2 drive is designed for use as a boot drive with the Endurance Spec. above.
Limitation: Required 'Configuration Thermal Design 30°C(CTD30)[PYBETA6]'
max. 1x per Server; connector located on Motherboard (please see folder "description").
2x M.2 drives required; in case M.2 drives are used with PDUAL CP300.

Dual M.2

PDUAL CP300 and M.2 drive on Motherboard cannot be mixed

PDUAL CP300, dual M.2 for booting, non hot-plug

Capacity	*Formfactor*	*Interface*		*Category*		*order code E-part*	*order code L-part*
n/a	AIC	PCIe		Boot	LP	**PYBDMCP35L**	**PY-DMCP35**

PDUAL CP300 is a carrier of 2x SSD SATA or PCIe M.2 drives, which offers RAID1 with the 2x SSD M.2 drives.
PDUAL CP300 is designed for use as a hardware-mirrored (RAID1) boot device for Hypervisor, which cannot be supported by M.2 via the onboard chipset Software RAID.
Supported RAID levels : RAID1 and 0 (optional), 2x same type of SSD M.2 drives need to be ordered separately.
Supported M.2 drives : SSD SATA M.2 240GB/480GB/960GB or 240GB for VMware ESXi. (PY*MF24YN5/PY*MF48YN5/PY*MF96YN or PY*MF24NVD) or
SSD PCIe M.2 480GB/960GB. (PY*BS48PEA/PY*BS96PEA)
max. 1x per Server, requires 2x SSD M.2 drives.

RAID PRESET option

Component			*order code E-part*	*order code L-part*
pre-config. RAID1 Array for M.2 in PDUAL			**S26361-F5659-E13**	-

This option allows pre-configuration of 2x M.2 modules to a RAID1 Array with PDUAL CP300 ex factory.
max. 1x per Server, requires 1x PDUAL CP300.

K

Chapter 11 - Communications / Ethernet Network Components

K

PRIMERGY TX1320 M6 provides default Intel LAN on Motherboard:
- 2x Controller Intel I210 1000BASE-T, provides
- 2x RJ45 ports, 10M/100M/1G autonegotiate for 10M/100M/1G capable Ethernet network infrastructure
- Wake-On LAN supported on both ports
- PXE and iSCSI boot support
- Maximum one port can be configured as a shared Management LAN port

Network PCIe Adapters

Broadcom 1GbE BEASE-T for PCIe				
PLAN CP BCM5719-4P 4X 1000BASE-T PCIe LP	2x	Broadcom, 1GTx4port	PYBLA284L	PY-LA284
max. 2x adapters per system				
Intel 1GbE BEASE-T for PCIe				
PLAN CP 2x1Gbit Cu Intel I350-T2 LP	2x	Intel, 1GTx2port	S26361-F4610-E202	S26361-F4610-L502
PLAN CP 4x1Gbit Cu Intel I350-T4 LP	2x	Intel, 1GTx4port	S26361-F4610-E204	S26361-F4610-L504
max. 2x adapters per system (both I350-T2 and I350-T4 in total)				
Broadcom 10GbE BEASE-T for PCIe				
PLAN EP P210TP 2X 10GBASE-T PCIe LP	2x	Broadcom, 10GTx2port	PYBLA3K2L	PY-LA3K2
max. 2x adapters per system				
Intel 10GbE BEASE-T for PCIe				
PLAN EP X710-T2L 2x10GBASE-T LP	2x	Intel, 10GTx2port	PYBLA342L	PY-LA342
PLAN EP X710-T4L 4x10GBASE-T LP	2x	Intel, 10GTx4port	PYBLA344L	PY-LA344
max. 2x adapters per server system				
Broadcom 10GbE for PCIe				
Each cage consumes 1x optical SFP+ transceiver per port.				
Dual rate 10G/1G support requires 10G/1G Dual Rate SFP+ Optical Transceiver Modules.				
All ports on this card need to install the same Parts Number of optical module.				
PLAN EP P210P 2x10Gb SFP PCIe LP	2x	Broadcom, 10Gx2port	PYBLA3J2L	PY-LA3J2
Optional, 10Gb SFP+ optical transceiver module, select one per cage				
SFP+ Module Multi Mode Fiber 10GbE LC	2x	Finisar, 10G SR SFP+	S26361-F3986-E3	S26361-F3986-L3
SFP+ Transceiver 10G/1G Dual Rate SR	2x	Intel, 1G/10G SR SFP+	S26361-F3986-E5	S26361-F3986-L5
SFP+ Transceiver 10G/1G Dual Rate LR	2x	Intel, 1G/10G LR SFP+	S26361-F3986-E6	S26361-F3986-L6
max. 1x per port				
max. 2x adapters per system				
Intel 10GbE for PCIe				
Each cage consumes 1x optical SFP+ transceiver per port.				
Dual rate 10G/1G support requires 10G/1G Dual Rate SFP+ Optical Transceiver Modules.				
All ports on this card need to install the same Parts Number of optical module.				
PLAN EP X710-DA2 2x10Gb SFP+ LP	2x	Intel, 10Gx2port	S26361-F3640-E202	S26361-F3640-L502
PLAN EP X710-DA4 4x10Gb SFP+ LP	2x	Intel, 10Gx4port	S26361-F3640-E204	S26361-F3640-L504
Optional, 10Gb SFP+ optical transceiver module, select one per cage				
SFP+ Module Multi Mode Fiber 10GbE LC	4x	Finisar, 10G SR SFP+	S26361-F3986-E3	S26361-F3986-L3
SFP+ Transceiver 10G/1G Dual Rate SR	4x	Intel, 1G/10G SR SFP+	S26361-F3986-E5	S26361-F3986-L5
SFP+ Transceiver 10G/1G Dual Rate LR	4x	Intel, 1G/10G LR SFP+	S26361-F3986-E6	S26361-F3986-L6
max. 1x per port				
max. 2x adapters per system				

Broadcom 25GbE for PCIe				
Each cage consumes 1x optical SFP28 or SFP+ transceiver per port. All ports on this card need to install the same Parts Number of optical module. 10G SFP BTO is not available for 25G cards, please select L parts.				
PLAN EP P225P 25Gb 2p SFP28 PCIe LP	2x	Broadcom, 25Gx2port	PYBLA3H2L	PY-LA3H2
Optional, 25Gb SFP28 optical transceiver module with LC connector, each cage consumes one.				
SFP28 25G SR E25GSFP28SRX LC	2x	Intel, 25G SR SFP28	PYBSFPS56	PY-SFPS56
max. 1x per port				
Optional, 10Gb SFP+ optical transceiver module, each cage consumes one.				
SFP+ Transceiver 10G/1G Dual Rate SR	2x	Intel, 1G/10G SR SFP+	[redacted]	S26361-F3986-L5
SFP+ Transceiver 10G/1G Dual Rate LR	2x	Intel, 1G/10G LR SFP+		S26361-F3986-L6
max. 1x per port				
max. 2x adapters per system				
Intel 25GbE for PCIe				
Each cage consumes 1x optical SFP28 or SFP+ transceiver per port. All ports on this card need to install the same Parts Number of optical module. 10G SFP BTO is not available for 25G cards, please select L parts.				
PLAN EP E810-XXVDA2 2x25Gb LP	2x	Intel, 25Gx2port	PYBLA402L	PY-LA402
Optional, 25Gb SFP28 optical transceiver module with LC connector, each cage consumes one.				
SFP28 25G SR E25GSFP28SRX LC	2x	Intel, 25G SR SFP28	PYBSFPS56	PY-SFPS56
max. 1x per port				
Optional, 10Gb SFP+ optical transceiver module, each cage consumes one.				
SFP+ Transceiver 10G/1G Dual Rate SR	2x	Intel, 1G/10G SR SFP+	[redacted]	S26361-F3986-L5
SFP+ Transceiver 10G/1G Dual Rate LR	2x	Intel, 1G/10G LR SFP+		S26361-F3986-L6
max. 1x per port				
max. 2x adapters per system				
NVIDIA 25GbE for PCIe				
Each cage consumes 1x optical SFP28 or SFP+ transceiver per port. All ports on this card need to install the same Parts Number of optical module. 10G SFP BTO is not available for 25G cards, please select L parts.				
PLAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP	2x	NVIDIA, 25Gx2port	PYBLA402L4	PY-LA4024
Not supported on LFF(3.5"HDD) base unit (PYT1326T3S, PYT1326TAN)				
Optional, 25Gb SFP28 optical transceiver module with LC connector, each cage consumes one.				
SFP28 25G SR E25GSFP28SRX LC	2x	Intel, 25G SR SFP28	PYBSFPS56	PY-SFPS56
SFP28 Transceiver 25G SR MMA2P00-AS LC	2x	NVIDIA, 25G SR SFP28	S26361-F4054-E701	S26361-F4054-L701
max. 1x per port				
Optional, 10Gb SFP+ optical transceiver module, each cage consumes one.				
SFP+ Transceiver 10G/1G Dual Rate SR	2x	Intel, 1G/10G SR SFP+	[redacted]	S26361-F3986-L5
SFP+ Transceiver 10G/1G Dual Rate LR	2x	Intel, 1G/10G LR SFP+		S26361-F3986-L6
max. 1x per port				
max. 2x adapters per system				

L

Chapter 14 - Power supply unit, power cable, country specific options

L

Std. Base Unit

For converting the base unit **PYT1326xxx** from standard PSU to redundant PSU use this conversion kit: **PY-TKPC05**

Red. Base Unit (No hot plug PSU is included)

No PSU is included in base unit. Need to be chosen 1x PSU at least.
A second hot plug PSU for redundancy shall be used same as first one in a redundant base unit and requires an additional country specific power cord.
Dummy module is required if 1st PSU only.

PYBPU501 **PY-PU501**
500W platinum power supply unit
500W PSU module platinum 1st or 2nd PSU for redundancy. 94% efficiency ***APAC/JAPAN region only**
100-240V, 50-60Hz
occupies hot plug PSU slot
max. **2x** per system

will be replaced to new order code in CQ3 2024

PYBPU503 **PY-PU503**
500W titanium power supply unit
500W PSU module titanium 1st or 2nd PSU for redundancy. 96% efficiency
220-240V, 50-60Hz
occupies hot plug PSU slot
max. **2x** per system

will be available in CQ3 2024

PYBPU505 **PY-PU505**
500W titanium power supply unit
500W PSU module titanium 1st or 2nd PSU for redundancy. 96% efficiency
220-240V, 50-60Hz
occupies hot plug PSU slot
max. **2x** per system

S26113-F574-E99
Dummy module instead PSU
Dummy module for closing the 2nd PSU hole, in case only 1 PSU is equipped
closes hot plug PSU slot
Power cord option is not required
max. 1x per system

PYBBBG04 **PY-BBG04**
Fujitsu Battery Unit *)
380W(peak), 280W(continuous) 12V battery module 4 min. backup time for gracefull shutdown
occupies hot plug PSU slot
Power cord option is not required
max. 1x per system

*) = Fujitsu Battery Unit requires one modular power supply

Power cord option for Tower Server, 1x per PSU		
Cable powercord (D, A, B, F, NL, FIN, N, S, E, P, RUS, TR), 1.8m, grey	**T26139-Y1740-E10**	**T26139-Y1740-L10**
Cable powercord (China), 1.8m, grey	**T26139-Y1743-E10**	-
Cable powercord (China), 1.8m, black	-	**T26139-Y1751-L10**
Cable powercord (UK, IR), 1.8m, grey	**T26139-Y1744-E10**	**T26139-Y1744-L10**
Cable powercord (I), 1.8m, grey	**T26139-Y1745-E10**	**T26139-Y1745-L10**
Cable powercord (DK), 1.8m, grey	**T26139-Y1746-E10**	**T26139-Y1746-L10**
Cable powercord (ISR), 2.5m, black	**T26139-Y1747-E18**	**T26139-Y1747-L18**
Cable powercord (Thailand), 1.8m, rack or wall	**T26139-Y1753-E10**	**T26139-Y1753-L10**
Cable powercord (Taiwan), 1.8m, rack or wall	**T26139-Y1757-E10**	**T26139-Y1757-L10**
Cable powercord (USA) 15A, 1.8m, black, NEMA 5-15 connector 498G -> C13 (plug), 15A, , rack or wall	**T26139-Y1741-E90**	**T26139-Y1741-L90**
no power cord	**T26139-Y3850-E10**	-

Region Kits, required to order one of them, 1x per System	build-in order code	loose delivery order code	
Region Kit APAC/EMEA, Contains warranty sheet and safety instructions for APAC and EMEA	**S26361-F1452-E100**	-	
Region Kit America, Contains warranty sheet, registration hints and safety instructions for America	**S26361-F1452-E130**	-	
Region Kit Europe, Contains warranty sheet and safety instructions in German, English, French,	**S26361-F1452-E140**	-	(Sales region for EMEIA only)
Region Kit China for CCC option required systems, Contains warranty sheet and safety instructions	**S26361-F1452-E101**	-	(Sales region for APAC only)

Certifications, optional 1x per system	build-in order code	loose delivery order code
Certification for China, (CCC), Reduced component selection possible, only with no power cord	**S26361-F3301-E120**	-

M

Chapter 15 - Accessories

M

http://www.fujitsu.com/fts/products/computing/peripheral/accessories/index-facts.html

USB Mouse:		
Mouse M520 Black	**S26381-K467-L100**	**APAC only**
Mouse M520 Grey	**S26381-K467-L101**	**APAC only**

USB Keyboards for Tower Servers for following countries:		
Country version	**FUJITSU Keyboard KB521 USB (grey)**	
US/ int 105 keys (UK keyboard + US int. Layout)	**S26381-K521-L102**	**APAC only**
France	**S26381-K521-L140**	**APAC only**
Spain	**S26381-K521-L180**	**APAC only**

USB Optical Disc Drive	
External Ultra Slim Portable DVD Writer (Hitachi-LG	**S26341-F103-L142**

N

Chapter 16 - others (Energy Star restrictions)

N

PYBES21
E-Star Fam1 Certification
RX/TX13x0 Mx E-Star Fam1 Limits configuration in accordance with Energy Star 4.0 requirements
max. 1x per system

limitations for E-Star Fam1certification.

please make sure to follow the guidelines below in order meet ENERGY STAR V4.0 Fam1 requirements:

<All base unit>
Not allowed:
- CPU: Pentium Gold G7400 (PYBCP67C1)
- CPU: Xeon E-2414 (PYBCP67E7)
- CPU: Xeon E-2434 (PYBCP67E8)

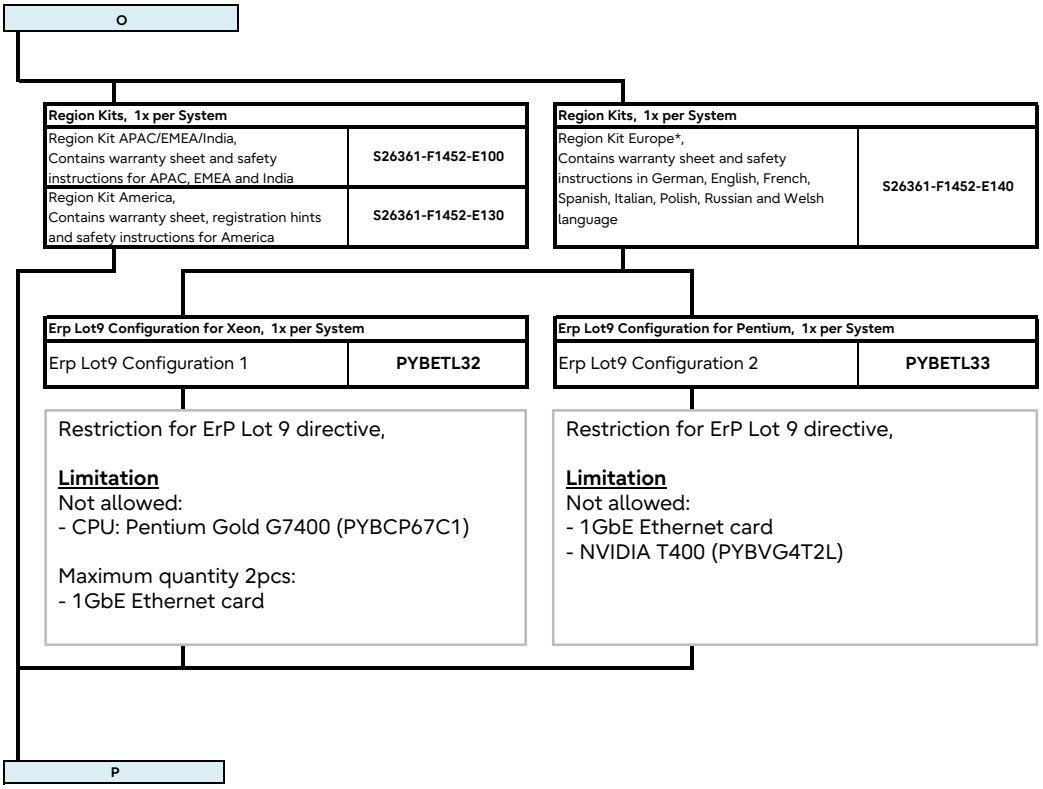
<PYT1326T3S, PYT1326TAN>
Maximum sotrage quantity 2pcs (HDD 3,5" LFF + SSD M.2)

<PYT1326T2S, PYT1326T2N>
Maximum sotrage quantity 4pcs (HDD/SSD 2,5" SFF + SSD M.2)

ENERGY STAR-configurationen will be labeld: PRIMERGY TX1320 M6 E-Star Fam1
non ENERGY STAR-configurationen will be labeld: PRIMERGY TX1320 M6

O

Chapter 16 - Others (ErP Lot 9 restriction)



*Region kit Europe must be orderd for shipment to ship in EU and EFTA countries to apply ErP Lot9 restriction

<Internal RAID / HBA controllers>
- PYBSR4FAL
- PYBSC4MA1L
- PYBSR4C63L
- PYBSR4C6L
- PYBSR4MA1L

<1GbE Ethernet card>
- PYBLA284L
- S26361-F4610-E202
- S26361-F4610-E204

Chapter 16 - others

P

PYBRMC44 **PY-RMC44**
iRMC advanced pack
integrated remote Management controller activation key for graphical console redirection and remote media redirection
max. 1x per system

Executing system updates, controlling the hardware setup or running diagnostic tests on components are frequent tasks of IT administrators to ensure a continuous 24x7 server operation. ServerView embedded Lifecycle Management (eLCM) for Fujitsu PRIMERGY servers greatly supports such routine tasks by consolidating and enhancing management functions directly available ("embedded") within the server.

PYBLCM14 **embedded Lifecycle Management (eLCM)**
Server Online Update OS driver Update Hardware firmware update
Server Offline Update Hardware update via Update Manager Express
PrimeCollect Autonomous creation of Primecollect archives Creation and use of PrimeCollect archives over AIS connect
Custom Image (Jukebox function) Automatic and manual download of CD and DVD Images Automatic and manual start of CD and DVD Images
max. 1x per system

Loose delivery
eLCM Activation Pack (Node Locked License) **PY-LCM14**
options contains: **- Paper with TAN for Licensekey**

will be available in CQ4'24

iRMC MicroSD card option			
Capacity	Interface	E-parts	L-parts
64GB	SDXC	PYBMD64R1	PY-MD64R1
128GB	SDXC	PYBMD12R1	PY-MD12R1
max. 1x per system, instead of 16GB MicroSD card			

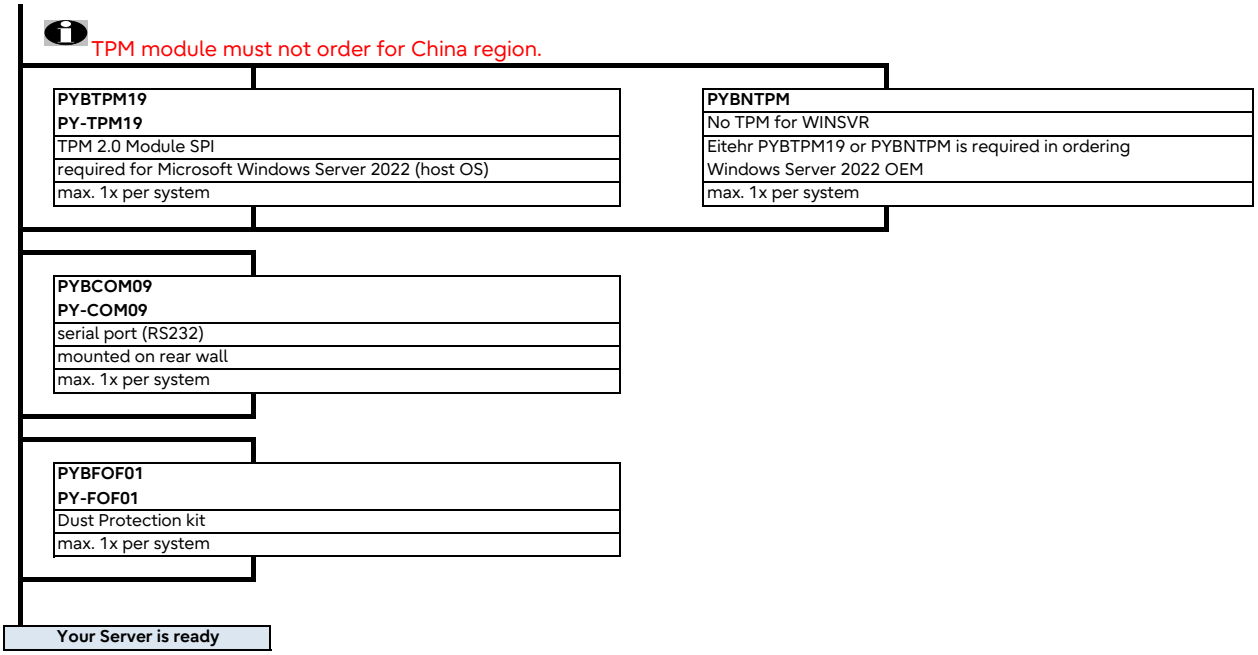
PYBSSS3
iRMC standard/legacy Option
When this product is orderd, following iRMC default setting is changed. Unique default password: No. The fixed password is printed on ID tag. SSH: Enabled USB Host LAN : Enabled Force to change default pwd to use Redfish/RESTful/other interfaces: No
max. 1x per system

S26361-F3776-E340
Cool-safe ® Advanced Thermal design 40°C(ATD40)
enables the PRIMERGY Server to cope with temperatures from 5-40° in operating mode due to extended Fan settings
Limitation: Refer to "General rules for ATD40 and ATD45"
this setting can be activated ex factory only
max. 1x per system

S26361-F3776-E345
Cool-safe ® Advanced Thermal design 45°C(ATD45)
enables the PRIMERGY Server to cope with temperatures from 5-45° in operating mode due to extended Fan settings
Limitation: Refer to "General rules for ATD40 and ATD45"
this setting can be activated ex factory only
max. 1x per system

PYBETA6 (will be available in CQ2'24)
Configuration Thermal Design 30°C(CTD30)
Sets the PRIMERGY server to support temperatures of up to 30 °C in operating mode for the configuration with thermal restriction.
this setting can be activated ex factory only
max. 1x per system

General rules for ATD40 and ATD45:
ATD40 and ATD45 use high performance cooling components
ATD40: <PYT1326T2N, PYT1326TAN> - Fujitsu Battery Unit can not be supported ATD45: Base unit with Standard PSU(PYT1326T2S, PYT1326T3S) can not be supported <PYT1326T2N, PYT1326TAN> - Fujitsu Battery Unit can not be supported


TPM module must not order for China region.
PYBTPM19
PY-TPM19
TPM 2.0 Module SPI
required for Microsoft Windows Server 2022 (host OS)
max. 1x per system
PYBNTPM
No TPM for WINSVR
Eitehr PYBTPM19 or PYBNTPM is required in ordering
Windows Server 2022 OEM
max. 1x per system
PYBCOM09
PY-COM09
serial port (RS232)
mounted on rear wall
max. 1x per system
PYBFOF01
PY-FOF01
Dust Protection kit
max. 1x per system
Your Server is ready

Date of change	Configurator revision	Folder / order code / description	What has been changed / comment	Name
10.04.2024	1.02	Cover	updated the address of "For further information see:"	H. Okabe
25.03.2024	1.01	others	revised the description about iRMC MicroSD card options for eLCM	Y. Sugiyama
22.03.2024	1,00		1st release	H. Okabe