PRIMERGY TX1320 M6 Compact Tower Server





Chapter	Folder	Content			
	Cover	List of content, Instructions for usage of this configurator, abbreviations			
	Description	System Description for easier understanding			
1	Base	describes base unit of TX1320 M6			
2	base	describes rack mount kits and services			
3	CPU	Order code and Infos of processors			
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7	RAID	SAS / RAID Controller and components			
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11		LAN Components			
12	LAN_FC_IB	Fibre Channel Controller (n.a. for TX1320 M6)			
13		Infiniband Controller (n.a. for TX1320 M6)			
14	PSU	Power supply units, power cables, country specific opt.			
15	USB_devices	Keyboards, Mice, USB devices			
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, \dots

For example:

S26361-F4610-E2 S26361-F4610-L3

PLAN 2x1Gb Ethern. Controller

i350-T2 chip (based on Intel Powerville) offers 2x1Gb RI45 connectors

PCIe Gen2 x4 full height card

max, 6x per system

- <-- order code E-part (bold) --
- <-- order code L-part (bold)
- <-- "name" of this part
- <--description of this part, in same cases as well description of content
- <--requires a free PCIe slot --> means total amount of PCIe slots reduced
- <--indicates how often this part can be configured in the related Server

PYBVAP04

PY-VAP04

Front VGA connector (15-pin)

Front VGA connector (15-pin) including

cable and front connector Not for 10x3.5", 32xEDSFF Base unit

max. 1x per system

- <-- "PYB" order code (bold) for BTO(Built to Order) part
- <-- "PY-" order code (bold) for Loose delivery part
- <-- "name" of this part
- <--description of this part, in same cases as well description of content
- <-- Limitation for this part
- <--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/fts/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- <u>E</u> 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- <u>L</u> 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

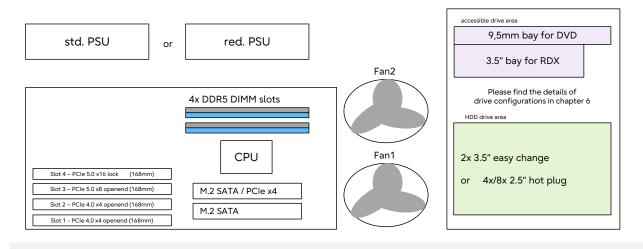
choose base unit

- 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"



rec	ommended components for TX1320 M6	#
em	bedded 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.

ΙΔΝ

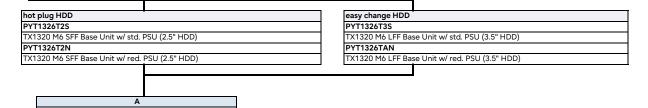
2x Intel i210 Gigabit Ethernet

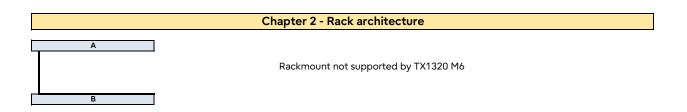
Software

* 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				
	1× Mini SATA (Av SATA 6G)				

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





Chapter 3- CPU One of following CPU's has to be selected for an orderable basic unit(max 1x) Pentium (Alder Lake) order code order code (Loose delivery) 64-bit Intel Pentium processor supporting DDR5 @ 4800MT/s (BTO) Pentium Gold G7400 2C/4T 3.7GHz 6MB 4800MT/s 46W PYBCP67C1 Xeon E-24xx (Raptor Lake-E) order code order code 64-bit Intel Xeon processor supporting DDR5 @ 4800MT/s (BTO) (Loose delivery) PYBCP67E7 Xeon E-2414 4C/4T 2.6GHz 12MB 4800MT/s Turbo 55W PYBCP67E8 Xeon E-2434 4C/8T 3.4GHz 12MB 4800MT/s Turbo 55W Xeon E-2436 PYBCP67E1 6C/12T 2.9GHz 18MB 4800MT/s Turbo 65W PYBCP67E2 Xeon E-2456 6C/12T 3.3GHz 18MB 4800MT/s Turbo 80W 6C/12T 3.5GHz 18MB 4800MT/s Turbo 95W PYBCP67E3 Xeon E-2486 PYBCP67E4 Xeon E-2468 8C/16T 2.6GHz 24MB 4800MT/s Turbo 65W Xeon E-2478 8C/16T 2.8GHz 24MB 4800MT/s Turbo 80W PYBCP67E5 Xeon E-2488 PYBCP67E6 8C/16T 3.2GHz 24MB 4800MT/s Turbo 95W С

Chapter 4 - DDR5 System memory

С

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

PYBVG4T2L PY-VG4T2L

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 different GPU mixed configuration does not support.

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

S26361-F4066-E13 S26361-F4066-L13 DP-DVI ADAPTER

S26361-F4066-E11 is

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

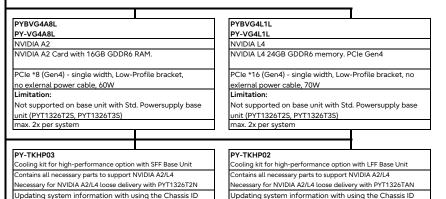
Two cables case \$26361-F4066-E12(2pcs) or \$26361-F4066-E13(2pcs) or

S26361-F4066-E12(1pcs)/ S26361-F4066-E13(1pcs)

Three cables case

Time carties task \$26361-F4066-E12(3pcs) or \$26361-F4066-E13(3pcs) or \$26361-F4066-E12(1pcs)/\$26361-F4066-E13(2pcs) or \$26361-F4066-E12(2pcs)/\$26361-F4066-E13(1pcs)

max. 3x per card

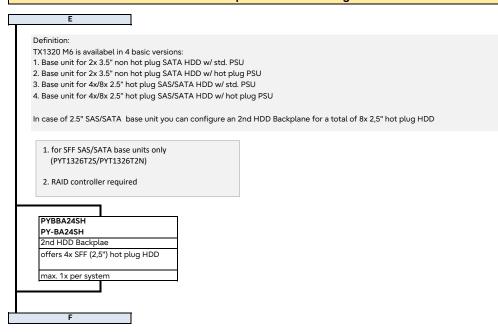


Prom tool is necessary max. 1x per system

Prom tool is necessary max. 1x per system

Е

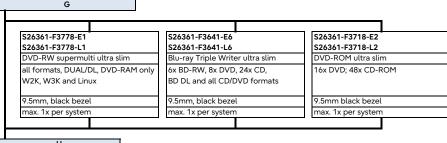
Chapter 6 - HD drive cage



Chapter 7 - SAS / RAID Controller 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 No Cache HBA + RAID 0, 1, 10, 5 PSAS CP 2200-16i LP 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 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 RAID 0, 1, 10, 5, 50, 6, 60 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) equires 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 S26361-F4042-E155 S26361-F4042-L110 power failure including cable with 55cm length internal RAID controllers for SAS, SATA HDD or SSD drives PYBSR4MA1L PY-SR4MA1 PRAID EP 3252-8i LP 2GB Cache RAID 0, 1, 10, 5, 50, 6, 60 8 ports 6, 12 & 24Gb/s SAS/SATA HDD/SSD, supports up to 8 drives without expander supports SED (Self Encrypting Drives) equires 1x LP PCIe 4.0 x8 (int.) slot optional Flash Backup Unit (FBU) PYBFBM012 FBU option for PRAID EP 325x: Supercap securing the power supply of the RAID controller in case of PY-FBM01 ower failure including cable with 46cm length 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

Chapter 8 - ODD optical disk drives



Chapter 9 - backup drives

- Definition:

 TX1320 M6 is availabel in 4 basic versions:

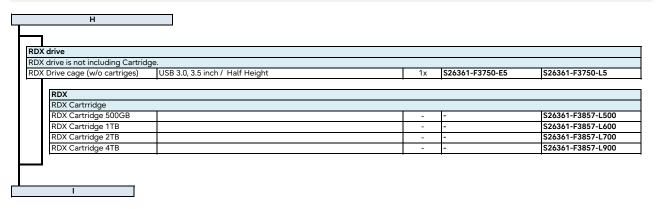
 1. Base unit for 2x 3.5" non hot plug SATA HDD w/ std. PSU

 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.



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. 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

<u>Warranty:</u>
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.	SSD SATA 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray									
based on Sams	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	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 Sam	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 - depe	ending on base ur	nit & configuration	1					

SSD SATA 2.	SSD SATA 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray								
based on Micro	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 - depe	nding on base ur	nit & configuration	n						

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-S	SED drives, but it re	equires a RAID contro	ller with SE	D support for using	g as SED drives.		
max. 8x - depe	ending on base ur	nit & 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 c	ode 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 - depe	nding on base ur	nit & configuration	1	•		•		

ased on Micr	on 5400 PRO driv	res				
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-SS24NN
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5	PYBSS48NMF	PY-SS48NI
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5	PYBSS96NMF	PY-SS96NI
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5	PYBSS19NMF	PY-SS19NI
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,2	PYBSS38NMF	PY-SS38NI
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,6	PYBSS76NMF	PY-SS76NI

2.5" (SFF) Hard drives

HDD SAS 2.5	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	\$26361-F5729-E112	S26361-F5729-L112				
max. 8x - depe	max. 8x - depending on base unit & configuration								

HDD SAS 2.5	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 - dene	ending on base ur	nit & configuration	1						

3.5" NON hot plug Drives for internal bays

HDD SATA 3	.5" 7.2K 512n (I	LFF) Enterprise Bu	usiness Critical wi	th 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 - depe	ending on base ur	nit & configuration	ı	<u> </u>	

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 - depe	ending on base ur	nit & configuration	1						

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

HDD SATA 3	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 - depe	nding on base ur	nit & 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	240GB M.2 SATA 6Gb/s Boot PYBMF24NVD PY-MF24NVD								
M.2 drive is de	signed for use as	a VMware ESXi b	oot 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 pased on Micron 5400 PRO drives DWPD order code E-part Capacity Formfactor Interface Category order code L-part PYBMF24YN5 SATA 6Gb/s PY-MF24YN5 240GB M.2 Boot SATA 6Gb/s 480GB Boot PYBMF48YN5 PY-MF48YN5 M.2 SATA 6Gb/s 960GB M.2 2280 Boot PYBMF96YN PY-MF96YN 1,5 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.:	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										
480GB	M.2 2280	PCle4.0 x4	0,9	Boot	PYBBS48PEA	PY-BS48PEA				
960GB	M.2 2280	PCle4.0 x4	0,9	Boot	PYBBS96PEA	PY-BS96PEA				
			the Endurance Spec							
			gn 30°C(CTD30)[PY							
max. 1x per Se	rver; connector l	ocated on Mother	board (please see fo	older "description	ח").					
2x M.2 drives r	equired; in case N	1.2 drives are use	d with PDUAL CP300	0.						
	- 4,			-						

Dual M.2

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

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

pre-config. RAID1 Array for M.2 in PDUAL

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.

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Chapter 11 - Communications / Ethernet Network Components

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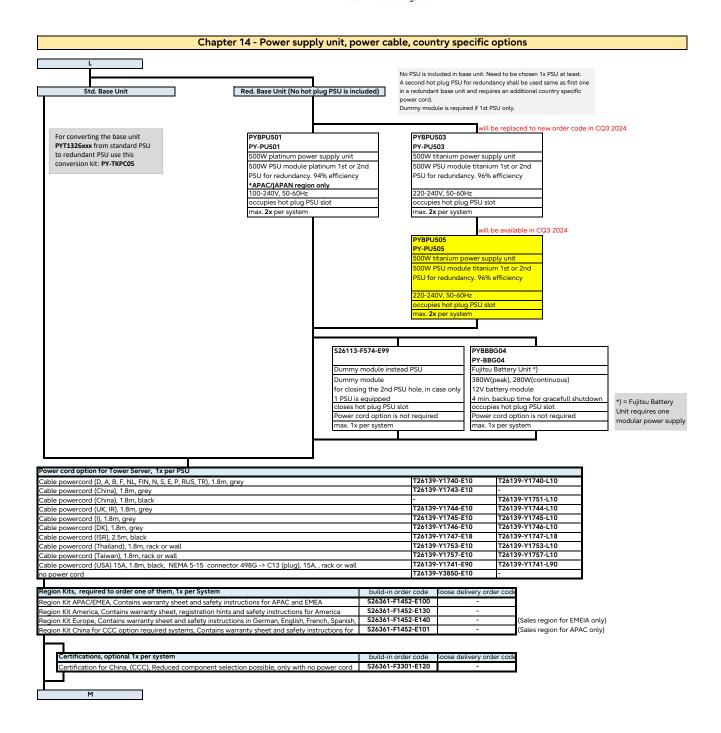
PRIMERGY TX1320 M6 provides default Intel LAN on Motherboard:

- 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
nax. 2x adapters per system				
ntel 1GbE BEASE-T for PCIe				
LAN CP 2x1Gbit Cu Intel I350-T2 LP	2x	Intel, 1GTx2port	S26361-F4610-E202	S26361-F4610-L50
LAN CP 4x1Gbit Cu Intel I350-T4 LP	2x	Intel, 1GTx4port	S26361-F4610-E204	S26361-F4610-L50
nax. 2x adapters per system (both I350-T2 and I3				
roadcom 10GbE BEASE-T for PCIe				
LAN EP P210TP 2X 10GBASE-T PCIe LP	2x	Broadcom, 10GTx2port	PYBLA3K2L	PY-LA3K2
nax. 2x adapters per system	4		-	
ntel 10GbE BEASE-T for PCIe				
LAN EP X710-T2L 2x10GBASE-T LP	2x	Intel, 10GTx2port	PYBLA342L	PY-LA342
LAN EP X710-T4L 4x10GBASE-T LP	2x	Intel, 10GTx4port	PYBLA344L	PY-LA344
nax. 2x adapters per server system				
roadcom 10GbE for PCIe				
ach cage consumes 1x optical SFP+ transceiver p	per port			
ual rate 10G/1G support requires 10G/1G Dual F		Optical Transceiver Modules		
Ill ports on this card need to install the same Part				
·		T .		
LAN EP P210P 2x10Gb SFP PCIe LP	2x	Broadcom, 10Gx2port	PYBLA3J2L	PY-LA3J2
Optional, 10Gb SFP+ optical transceiver mod			1	
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
4 .	•	•		
max. 1x per port	•	·		
		<u> </u>		
nax. 2x adapters per system				
nax. 2x adapters per system ntel 10GbE for PCIe	per port.			
nax. 2x adapters per system Itel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver poul rate 10G/1G support requires 10G/1G Dual F	ate SFP+			
nax. 2x adapters per system Itel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver product rate 10G/1G support requires 10G/1G Dual F	ate SFP+			
nax. 2x adapters per system Itel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver properties and rate 10G/1G support requires 10G/1G Dual Fill ports on this card need to install the same Part	ate SFP+		\$26361-F3640-E202	S26361-F3640-L50
nax. 2x adapters per system Itel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver properties and the same Part Ill ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP	ate SFP+ o s Number	of optical module.	\$26361-F3640-E202 \$26361-F3640-E204	
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver properties 10G/1G bual Fill ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver model.	s Number 2x 2x	of optical module. Intel, 10Gx2port Intel, 10Gx4port		
nax. 2x adapters per system Intel 10GbE for PCIe Intel 10GbE for PCIe Intel 10G/1G support requires 10G/1G Dual F Il ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC	2x 2x lule, select	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+	S26361-F3640-E204 S26361-F3986-E3	S26361-F3640-L50 S26361-F3986-L3
nax. 2x adapters per system Intel 10GbE for PCIe Intel 10GbE for PCIe Intel 10G/1G support requires 10G/1G Dual Fill Ill ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR	ate SFP+ (s Number 2x 2x lule, select 4x 4x	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe Intel 10GbE for PCIe Intel 10G/1G support requires 10G/1G Dual Fill Ill ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR	2x 2x lule, select	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+	S26361-F3640-E204 S26361-F3986-E3	\$26361-F3640-L50 \$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5 \$26361-F3986-L6
nax. 2x adapters per system Intel 10GbE for PCIe Intel 10GbE for PCIe Intel 10G/1G support requires 10G/1G Dual Fill Ill ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR	ate SFP+ (s Number 2x 2x lule, select 4x 4x	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver properties and the same Part Lan EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port	ate SFP+ (s Number 2x 2x lule, select 4x 4x	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe Intel 10GbE for PCIe Intel 10GbE for PCIe Intel 10GhE for	ate SFP+ (s Number 2x 2x lule, select 4x 4x	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver pual rate 10G/1G support requires 10G/1G Dual Fall ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system	ate SFP+ (s Number 2x 2x lule, select 4x 4x	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver prual rate 10G/1G support requires 10G/1G Dual Fill ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system Incompare the state of the st	ate SFP+ (s Number 2x 2x 2x lule, select 4x 4x 4x	of optical module. Intel, 10Gx2port Intel, 10Gx4port t one per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver poul rate 10G/1G support requires 10G/1G Dual Fall ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system Iroadcom 25GbE for PCIe ach cage consumes 1x optical SFP28 or SFP+ transceiver 1x optical SFP28 or SF	ate SFP+ (s Number 2x 2x 2x lule, select 4x 4x 4x 4x ax 1x	of optical module. Intel, 10Gx2port Intel, 10Gx4port t one per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ er port.	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver poul rate 10G/1G support requires 10G/1G Dual Fall ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system Iroadcom 25GbE for PCIe ach cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage consumes 1x optical SFP28 or SFP+ trall ports on this card need to install the same Part and cage cage cage cage cage cage cage cage	ate SFP+ (s Number 2x 2x 2x lule, select 4x 4x 4x 4x 1x	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ or port. of optical module.	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver polar rate 10G/1G support requires 10G/1G Dual Fall ports on this card need to install the same Part ILAN EP X710-DA2 2x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system Iroadcom 25GbE for PCIe ach cage consumes 1x optical SFP28 or SFP+ tra Ill ports on this card need to install the same Part OG SFP BTO is not available for 25G cards, please	ate SFP+ (s Number 2x	of optical module. Intel, 10Gx2port Intel, 10Gx4port t one per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ er port. of optical module. parts.	\$26361-F3640-E204 \$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E6	\$26361-F3986-L3 \$26361-F3986-L3 \$26361-F3986-L5 \$26361-F3986-L6
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver polar rate 10G/1G support requires 10G/1G Dual Fall ports on this card need to install the same Part ILAN EP X710-DA2 2x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system Iroadcom 25GbE for PCIe ach cage consumes 1x optical SFP28 or SFP+ tra Ill ports on this card need to install the same Part OG SFP BTO is not available for 25G cards, please	ate SFP+ (s Number 2x 2x 2x lule, select 4x 4x 4x 4x 1x	of optical module. Intel, 10Gx2port Intel, 10Gx4port tone per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ or port. of optical module.	\$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E5	\$26361-F3640-L50 \$26361-F3986-L3 \$26361-F3986-L5
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver polar requires 10G/1G Dual R Intel 10G/1G support requires 10G/1G Dual R Intel 10G/1G support requires 10G/1G Dual R Intel 2x710-DA2 2x10Gb SFP+ LP Intel 2x710-DA2 2x10Gb SFP+ LP Intel 2x710-DA4 4x10Gb SFP+ LP Intel 2x710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR Intel 2x1 per port Intel 2x2 adapters per system Intel 2x3 adapters per system Intel 2x4 adapters per system Intel 2x5 adapters per system In	ate SFP+ (s Number 2x	of optical module. Intel, 10Gx2port Intel, 10Gx4port t one per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ er port. of optical module. parts. Broadcom, 25Gx2port	\$26361-F3640-E204 \$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E6	\$26361-F3986-L3 \$26361-F3986-L3 \$26361-F3986-L5 \$26361-F3986-L6
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nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver proul rate 10G/1G support requires 10G/1G Dual Fall ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system roadcom 25GbE for PCIe ach cage consumes 1x optical SFP28 or SFP+ tra ll ports on this card need to install the same Part 0G SFP BTO is not available for 25G cards, please LAN EP P225P 25Gb 2p SFP28 PCIe LP Optional, 25Gb SFP28 optical transceiver mod SFP28 25G SR E25GSFP28SRX LC max. 1x per port	ate SFP+ of s Number 2x 2x 2x 2x 4x 4x 4x 4x	of optical module. Intel, 10Gx2port Intel, 10Gx4port t one per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ Intel, 1G/10G LR SFP+ Er port. of optical module. parts. Broadcom, 25Gx2port LC connector, each cage consumes one. Intel, 25G SR SFP28	\$26361-F3640-E204 \$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E6	\$26361-F3986-L3 \$26361-F3986-L3 \$26361-F3986-L5 \$26361-F3986-L6
nax. 2x adapters per system Intel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver provided and cage consumes 1x optical SFP+ transceiver provided and cage consumes 1x optical SFP+ transceiver provided and cage consumes 1x optical stransceiver provided and cage consumes 1x optical transceiver mode and cage consumes 1x optical SFP28 or SFP+ transceiver 10G/1G Dual Rate SR provided and cage consumes 1x optical SFP28 or SFP+ transceiver 10G/1G Dual Rate LR provided and cage consumes 1x optical SFP28 or SFP+ transceiver 10G/1G Dual Rate LR provided and cage consumes 1x optical SFP28 or SFP+ transceiver 10G/1G Dual Rate SFP28 or SFP+ transceiver provided and cage consumes 1x optical SFP28 or SFP+ transceiver provided and cage consumes 1x optical SFP28 or SFP+ transceiver provided and cage consumes 1x optical SFP28 or SFP+ transceiver provided and cage consumes 1x optical SFP28 or SFP+ transceiver provided and cage consumes 1x optical SFP28 or SFP+ transceiver modes of SFP28 SFP2	ate SFP+ of s Number 2x 2x 2x lule, select 4x 4x 4x 4x 4x 4x 4x 4	of optical module. Intel, 10Gx2port Intel, 10Gx4port t one per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ Intel, 1G/10G LR SFP+ Er port. of optical module. parts. Broadcom, 25Gx2port LC connector, each cage consumes one. Intel, 25G SR SFP28 cage consumes one.	\$26361-F3640-E204 \$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E6	\$26361-F3986-L3 \$26361-F3986-L3 \$26361-F3986-L5 \$26361-F3986-L6 \$26361-F3986-L6 \$26361-F3986-L6
nax. 2x adapters per system nax. 2x adapters per system natel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver polar reactions are 10G/1G bull Fall ports on this card need to install the same Part LAN EP X710-DA2 2x10Gb SFP+ LP LAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system Iroadcom 25GbE for PCIe ach cage consumes 1x optical SFP28 or SFP+ tra all ports on this card need to install the same Part 0G SFP BTO is not available for 25G cards, please LAN EP P225P 25Gb 2p SFP28 PCIe LP Optional, 25Gb SFP28 optical transceiver mod SFP28 25G SR E25GSFP28SRX LC max. 1x per port Optional, 10Gb SFP+ optical transceiver mod SFP+ Transceiver 10G/1G Dual Rate SR	ate SFP+ (s Number 2x 2x 2x lule, select 4x	of optical module. Intel, 10Gx2port Intel, 10Gx4port Intel, 10Gx4port Intel, 10Gx4port Intel, 10GSXFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G SR SFP+	\$26361-F3640-E204 \$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E6	\$26361-F3986-L3 \$26361-F3986-L3 \$26361-F3986-L5 \$26361-F3986-L6 \$26361-F3986-L6 \$26361-F3986-L5
nax. 2x adapters per system ntel 10GbE for PCIe ach cage consumes 1x optical SFP+ transceiver poul rate 10G/1G support requires 10G/1G Dual Fall ports on this card need to install the same Part PLAN EP X710-DA2 2x10Gb SFP+ LP PLAN EP X710-DA4 4x10Gb SFP+ LP Optional, 10Gb SFP+ optical transceiver mod SFP+ Module Multi Mode Fiber 10GbE LC SFP+ Transceiver 10G/1G Dual Rate SR SFP+ Transceiver 10G/1G Dual Rate LR max. 1x per port nax. 2x adapters per system PLAN EP P25P EFF optical SFP28 or SFP+ transceiver need to install the same Part of SFP BTO is not available for 25G cards, please PLAN EP P225P 25Gb 2p SFP28 PCIe LP Optional, 25Gb SFP28 optical transceiver mod SFP28 25G SR E25GSFP28SRX LC max. 1x per port Optional, 10Gb SFP+ optical transceiver mod	ate SFP+ of s Number 2x 2x 2x lule, select 4x 4x 4x 4x 4x 4x 4x 4	of optical module. Intel, 10Gx2port Intel, 10Gx4port t one per cage Finisar, 10G SR SFP+ Intel, 1G/10G SR SFP+ Intel, 1G/10G LR SFP+ Intel, 1G/10G LR SFP+ Er port. of optical module. parts. Broadcom, 25Gx2port LC connector, each cage consumes one. Intel, 25G SR SFP28 cage consumes one.	\$26361-F3640-E204 \$26361-F3986-E3 \$26361-F3986-E5 \$26361-F3986-E6	\$26361-F3986-L3 \$26361-F3986-L3 \$26361-F3986-L5 \$26361-F3986-L6 \$26361-F3986-L6 \$26361-F3986-L6

Each cage consumes 1x optical SFP28 or SFP+ tran	sceiver p	er port.		
All ports on this card need to install the same Parts	Number	of optical module.		
${\tt OG}$ 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 mod	dule 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 modu	ıle, each o	cage consumes one.		
SFP+ Transceiver 10G/1G Dual Rate SR	2x	Intel, 1G/10G SR SFP+		S26361-F3986-L5
SFP+ Transceiver 10G/1G Dual Rate LR	2x	Intel, 1G/10G LR SFP+		S26361-F3986-L6
max. 1x per port				
nax. 2x adapters per system				
IVIDIA 25GhE for DCIe				
AVIDIA 25GbE for PCIe Each cage consumes 1x optical SFP28 or SFP+ tran	sceiver p	er port.		
11.2.7.20022.101.10.0		•		
Each cage consumes 1x optical SFP28 or SFP+ tran All ports on this card need to install the same Parts	Number	of optical module.		
Sach cage consumes 1x optical SFP28 or SFP+ tran All ports on this card need to install the same Parts IOG SFP BTO is not available for 25G cards, please	Number	of optical module.	PYBLA402L4	PY-LA4024
Each cage consumes 1x optical SFP28 or SFP+ tran	Number select L p	of optical module. parts. NVIDIA, 25Gx2port	PYBLA402L4	PY-LA4024
Cach cage consumes 1x optical SFP28 or SFP+ tran All ports on this card need to install the same Parts 10G SFP BTO is not available for 25G cards, please PLAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP	Number select L p 2x 6T3S, PYT	of optical module. parts. NVIDIA, 25Gx2port 1326TAN)	PYBLA402L4	PY-LA4024
cach cage consumes 1x optical SFP28 or SFP+ tran tall ports on this card need to install the same Parts 0G SFP BTO is not available for 25G cards, please PLAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP Not supported on LFF(3.5"HDD) base unit (PYT132)	Number select L p 2x 6T3S, PYT	of optical module. parts. NVIDIA, 25Gx2port 1326TAN)	PYBLA402L4 PYBSFPS56	PY-LA4024 PY-SFPS56
Cach cage consumes 1x optical SFP28 or SFP+ tran All ports on this card need to install the same Parts 10G SFP BTO is not available for 25G cards, please PLAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP Not supported on LFF(3.5"HDD) base unit (PYT132 Optional, 25Gb SFP28 optical transceiver mod	Number select L p 2x 6T3S, PYT dule with	of optical module. parts. NVIDIA, 25Gx2port 1326TAN) LC connector, each cage consumes one.		
Cach cage consumes 1x optical SFP28 or SFP+ tran All ports on this card need to install the same Parts 10G SFP BTO is not available for 25G cards, please PLAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP Not supported on LFF(3.5"HDD) base unit (PYT132 Optional, 25Gb SFP28 optical transceiver mod SFP28 25G SR E25GSFP28SRX LC	Number select L p 2x 6T3S, PYT dule with 2x	of optical module. parts. NVIDIA, 25Gx2port 1326TAN) LC connector, each cage consumes one. Intel, 25G SR SFP28	PYBSFPS56	PY-SFPS56
Cach cage consumes 1x optical SFP28 or SFP+ tran All ports on this card need to install the same Parts 0G SFP BTO is not available for 25G cards, please PLAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP Not supported on LFF(3.5"HDD) base unit (PYT132) Optional, 25Gb SFP28 optical transceiver mod SFP28 25G SR E25GSFP28SRX LC SFP28 Transceiver 25G SR MMA2P00-AS LC	2x 6T3S, PYT dule with 2x 2x	of optical module. parts. NVIDIA, 25Gx2port 1326TAN) LC connector, each cage consumes one. Intel, 25G SR SFP28 NVIDIA, 25G SR SFP28	PYBSFPS56	PY-SFPS56
Cach cage consumes 1x optical SFP28 or SFP+ tranul ports on this card need to install the same Parts OG SFP BTO is not available for 25G cards, please PLAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP Not supported on LFF(3.5"HDD) base unit (PYT132) Optional, 25Gb SFP28 optical transceiver mod SFP28 25G SR E25GSFP28SRX LC SFP28 Transceiver 25G SR MMA2P00-AS LC max. 1x per port	2x 6T3S, PYT dule with 2x 2x	of optical module. parts. NVIDIA, 25Gx2port 1326TAN) LC connector, each cage consumes one. Intel, 25G SR SFP28 NVIDIA, 25G SR SFP28	PYBSFPS56	PY-SFPS56
cach cage consumes 1x optical SFP28 or SFP+ tran tall ports on this card need to install the same Parts 0G SFP BTO is not available for 25G cards, please PLAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP dot supported on LFF(3.5"HDD) base unit (PYT132: Optional, 25Gb SFP28 optical transceiver mod SFP28 25G SR E25GSFP28SRX LC SFP28 Transceiver 25G SR MMA2P00-AS LC max. 1x per port Optional, 10Gb SFP+ optical transceiver mode	2x 6T3S, PYT dule with 2x 2x 2x	of optical module. parts. NVIDIA, 25Gx2port 1326TAN) LC connector, each cage consumes one. Intel, 25G SR SFP28 NVIDIA, 25G SR SFP28 cage consumes one.	PYBSFPS56	PY-SFPS56 S26361-F4054-L70
ach cage consumes 1x optical SFP28 or SFP+ tran Ill ports on this card need to install the same Parts 0G SFP BTO is not available for 25G cards, please ILAN EP MCX6-LX 25Gb 2p SFP28 PCIe LP Iot supported on LFF(3.5"HDD) base unit (PYT132: Optional, 25Gb SFP28 optical transceiver mod SFP28 25G SR E25GSFP28SRX LC SFP28 Transceiver 25G SR MMA2P00-AS LC max. 1x per port Optional, 10Gb SFP+ optical transceiver mod SFP+ Transceiver 10G/1G Dual Rate SR	2x 6T3S, PYT dule with 2x 2x 0Le, each of 2x	of optical module. parts. NVIDIA, 25Gx2port 1326TAN) LC connector, each cage consumes one. Intel, 25G SR SFP28 NVIDIA, 25G SR SFP28 cage consumes one. Intel, 1G/10G SR SFP+	PYBSFPS56	PY-SFPS56 S26361-F4054-L70 S26361-F3986-L5



Chapter 15 - Accessories $\underline{\text{http://www.fujitsu.com/fts/products/computing/peripheral/accessories/index-facts.html}}$ М 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: ntry version FUJITSU Keyboard KB521 USB (grey) Country version US/ int 105 keys (UK keyboard + US int. Layout) S26381-K521-L102 APAC only France S26381-K521-L140 APAC only S26381-K521-L180 Spain APAC only USB Optical Disc Drive External Ultra Slim Portable DVD Writer (Hitachi-LG) S26341-F103-L142 N

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)

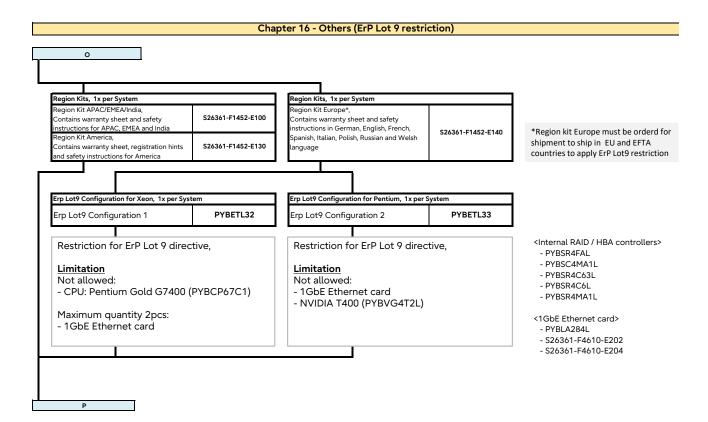
ENERGY STAR-configurationen will be labeld: non ENERGY STAR-configurationen will be labeld:

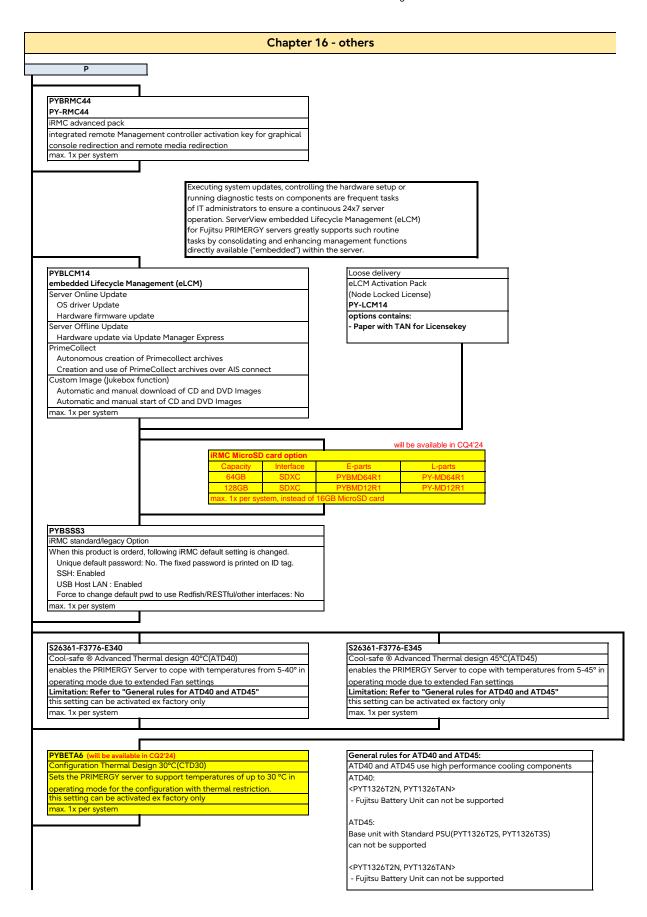
Maximum sotrage quantity 4pcs (HDD/SSD 2,5" SFF + SSD M.2)

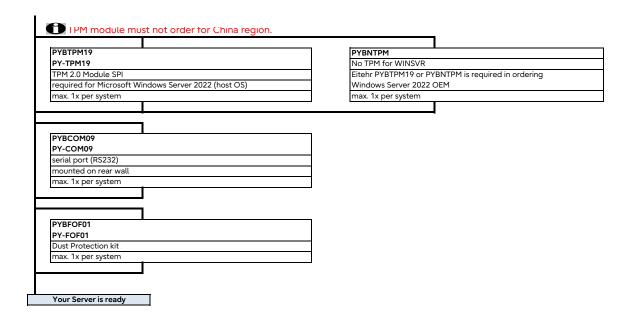
PRIMERGY TX1320 M6 E-Star Fam1 PRIMERGY TX1320 M6

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<PYT1326T2S, PYT1326T2N>







Date of change	Configurator revision	Folder / order code / description	What has been changed / comment	Name
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