PRIMERGY TX1310 M5
Mini 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 TX1310 M5
2	CPU	Order code and Infos of processors
3	RAM	DDR4 System memory (RAM)
4	GFX	Graphics-, GPGPU-cards, GPU cards
5	RAID	SAS / RAID Controller and components
6	HD_SSD	Storage drives - PCIe SSD - SATA SSD & HDD
7	ODD, Backup	optical disk drives (DVD, DVD-rw, Blu ray), RDX drive
8	LAN	LAN Components
9	USB_devices	Keyboards, Mice, USB devices
10	others	Miscellaneous(Serial port, TPM module), Country specific opt.
11		
12	ErP Lot 9	ErP Lot 9 restriction

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, …

Conventional order code

S26361-F4610-E2	<-- order code E-part (bold) --
S26361-F4610-L3	<-- 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 many this part can be configured in the related Server

New order code

PYBVAP04	<-- "PYB" order code (bold) for BTO(Built to Order) part
PY-VAP04	<-- "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-tx1310-m5.pdf

https://www.fujitsu.com/fts/products/computing/servers/primergy/index.ht
(internet)

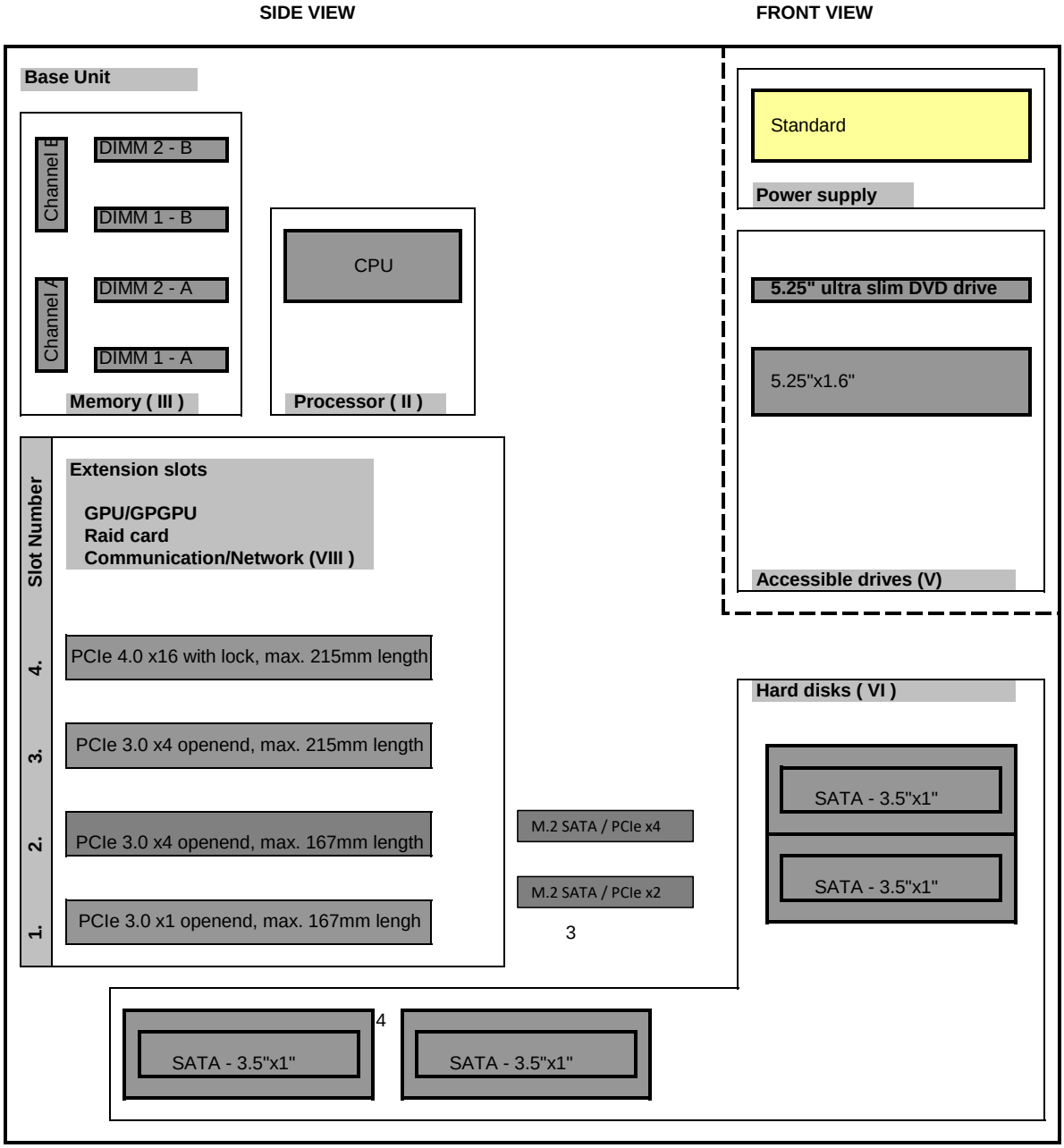
https://extranet.ts.fujitsu.com/com/tools/configure/server/Pages/default.aspx
(extranet)

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); SAS2.0 = 6GBit/s; SAS3.0 = 12GBit/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
Spaces	OS	Microsoft spaces, optimized in Win2012 R2 offers software RAID and storage tiering
vSAN	OS	
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

Configuration diagram PRIMERGY TX1310 M5



Key:

- Included in basic unit
- Option

recommended components for TX1310 M5	#
embedded Lifecycle Management (eLCM)	1x

Start PRIMERGY TX1310 M5

Chapter 1 Basic unit

below shows w/BMC model

*This model is only for APAC and Japan market only

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

Platform
Fujitsu Systemboard D3930 based on Chipset Intel® C256
> Xeon E2300 series CPUs and Pentium CPU

Slots:
Slot4 PCIe 4.0 x16, with lock -Support GPGPU/GPU option
Slot3 PCIe 3.0 x4 (open end)
Slot2 PCIe 3.0 x4 (open end)
Slot1 PCIe 3.0 x1 (open end)

System RAM
Up to DDR4 3200 MHz
4 memory slots for max. 128GB DDR4 RAM

* 2 bays 5.25" for accessible drives, 1x ultra slim for DVD, 1x 1,6" height
* 4 LFF (3.5" Large Form Factor) bays 1" high for non hot plug SATA HDD/SSD
* SATA controller with up to 4 HDD's using Intel C256 Chipset
* 2 M.2 slots, 1x SATA/PCIe x4 and 1x SATA/PCIe x2
* Intel integrated Processor Graphics Support
* 2x Intel i210 Gigabit Ethernet

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

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 Display port	1x USB 3.2 Gen1x1 Type A
2x USB 3.2 Gen2x1 Type A	Interfaces internal
4x USB 2.0 Type A	1x internal USB 3.2 Gen1x1 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/NVMe(PCIe x2)
	6x SATA 6G

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

Platform
Fujitsu Systemboard D3930 based on Chipset Intel® C256
> Xeon E2300 series CPUs and Pentium CPU

Slots:
Slot 4 PCIe 4.0 x8 or x16 (with lock) - supports modular RAID and GPGPU/GPU option
Slot 3 PCIe 4.0 x8 or x0 (openend) - supports Raid card and Grafics Card option
Slot 2 PCIe 3.0 x4 (openend)
Slot 1 PCIe 3.0 x4 (openend)
*Slot 4 and Slot 3 can be switched 2x PCIe 4.0 x8 or 1x PCIe 4.0 x16

System RAM
Up to DDR4 3200 MHz
4 memory slots for max. 128GB DDR4 RAM

* 2 bays 5.25" for accessible drives, 1x ultra slim for DVD, 1x 1,6" height
* 4 LFF (3.5" Large Form Factor) bays 1" high for non hot plug SATA HDD/SSD
* SATA controller with up to 4 HDD's using Intel C256 Chipset
* 2 M.2 slots, 1x SATA/PCIe x4 and 1x SATA/PCIe x2
* Intel integrated Processor Graphics Support
* 2x Intel i210 Gigabit Ethernet

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

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 Gen1x1 Type A
1x Display port	Interfaces internal
1x VGA (15 pins)	2x internal USB 3.2 Gen1x1 connectors for backup devices
2x USB 3.2 Gen2x1 Type A	2x M.2 (80mm and 110mm)modules: 1x SATA/NVMe(PCIe x4) and 1x SATA/NVMe(PCIe x2)
4x USB 2.0 Type A	6x SATA 6G
1x RS-232-C (serial, 9 pin) - optional	

*EOL in EMEA market due to Erp Lot9 regulation

PYT1315T3S
SATA basic unit Tower
no iRMC implemented on MB
without CPU and Memory
- one CPU / 1 to 4 Memory module(s) has to be selected via CPU / Memory order codes
Standard PSU 250W Gold
for full configuration

*Only in EMEA market

PYT1315TBS
SATA basic unit Tower
no iRMC implemented on MB
without CPU and Memory
- one CPU / 1 to 4 Memory module(s) has to be selected via CPU / Memory order codes
Standard PSU 450W platinum
for full configuration

*This model is only for APAC and Japan market only

PYT1315TAS
SATA basic unit Tower
iRMC implemented on MB
without CPU and Memory
- one CPU / 1 to 4 Memory module(s) has to be selected via CPU / Memory order codes
Standard PSU
for full configuration

A

System configurator and order-information guide

Chapter 2 - CPU

A

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

Pentium (Rocket Lake) 64-bit Intel Pentium processor supporting DDR4 @ 2666MHz		order code (BTO)	order code (Loose delivery)
Pentium Gold G6405	2C/4T 4.1GHz 4MB 2666MHz 58W	PYBCP63C1	-
Xeon E-23xx (Rocket Lake-E) 64-bit Intel Xeon processor supporting DDR4 @ 3200MHz		order code (BTO)	order code (Loose delivery)
Xeon E-2324G	4C/4T 3.1GHz 8MB 3200MHz Turbo 65W	PYBCP63E5	-
Xeon E-2374G	4C/8T 3.7GHz 8MB 3200MHz Turbo 80W	PYBCP63E7	-
Xeon E-2356G	6C/12T 3.2GHz 12MB 3200MHz Turbo 80W	PYBCP63E6	-

B

Chapter 3 - DDR4 System memory

B

There are 2 memory banks with 2 DIMM slots each.

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

Dual channel memory configurations for maximum performance:
For optimum performance memory has to be configured in pairs of memory modules with identical size.

Max. 128GB unbuffered DDR4 RAM for UDIMMs with 32GB moduls

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

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.
PYBME08UG2 will be EOL on January 5th 2024
New order code for 8GB are added, but mixed configuration between PYBME08UG2, PY-ME08UG2 and PYBME08UG4, PY-ME08UG4 are not supported
New order code of PYBME08UG4, PY-ME08UG4 will be available at end of December
The following types of memory cannot be mixed
- PY*ME16UG3 and PY*ME16UG5

- PY*ME32UG2 and PY*ME32UG3 (*: B=BTO, - : loose delivery)

8GB DDR4 Unbuffered DIMM 3200MHz 1R x8		**order code (BTO)**	**order code (loose delivery)**
8GB (1x8GB) 1Rx8 DDR4-3200 U ECC	single rank	PYBME08UG2 [EOL]	PY-ME08UG2
8GB DDR4 Unbuffered DIMM 3200MHz 1R x8		**order code (BTO)**	**order code (loose delivery)**
8GB (1x8GB) 1Rx8 DDR4-3200 U ECC	single rank	PYBME08UG4	PY-ME08UG4
16GB DDR4 Unbuffered DIMM 3200MHz 1R x8		**order code (BTO)**	**order code (loose delivery)**
16GB (1x16GB) 1Rx8 DDR4-3200 U ECC	single rank	PYBME16UG3 [EOL]	PY-ME16UG3
16GB DDR4 Unbuffered DIMM 3200MHz 1R x8		**order code (BTO)**	**order code (loose delivery)**
16GB (1x16GB) 1Rx8 DDR4-3200 U ECC	single rank	PYBME16UG5	PY-ME16UG5
32GB DDR4 Unbuffered DIMM 3200MHz 2R x8		**order code (BTO)**	**order code (loose delivery)**
32GB (1x32GB) 2Rx8 DDR4-3200 U ECC	dual rank	PYBME32UG2 [EOL]	PY-ME32UG2
32GB DDR4 Unbuffered DIMM 3200MHz 2R x8		**order code (BTO)**	**order code (loose delivery)**
32GB (1x32GB) 2Rx8 DDR4-3200 U ECC	dual rank	PYBME32UG3	PY-ME32UG3
min 1x / max 4x for System			

C

C

Chapter 4 Graphics / GPGPU

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

For Display Port of internal Graphics Controller

S26361-F4066-E12 S26361-F4066-L12	S26361-F4066-E13 S26361-F4066-L13
DP-VGA ADAPTER	DP-DVI ADAPTER
max. 1x per system	max. 1x per system

PGRA must be installed in slot 4

~~PYBVG4T1 (available in June, 2022)~~ ~~PY-VG4T1 (available in June, 2022)~~	PYBVG4T2 (EOL in Aug in 2025) PY-VG4T2 (EOL in Aug in 2025)
~~NVIDIA T400~~	NVIDIA T400
~~NVIDIA T400 2GB GDDR6 PCIe 3.0 x16~~	NVIDIA T400 4GB GDDR6 PCIe 3.0 x16
~~Connectors: 3x Mini-DP no cable kit included~~	Connectors: 3x Mini-DP no cable kit included
~~full height bracket~~	full height bracket
~~max. 1x per system~~	max. 1x per system

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

S26361-F4066-E12 S26361-F4066-L12	S26361-F4066-E13 S26361-F4066-L13
DP-VGA ADAPTER	DP-DVI ADAPTER
max. 3x per card	max. 3x per card

The high end optional NVIDIA Quadro T400 graphic card offers triple head operation and full 3D video support.
Remote Video direction via iRMC must be disabled.
Only one card per server is allowed.

PYBVG4AE PY-VG4AE
NVIDIA A400
NVIDIA A400 4GB GDDR6 PCIe 4.0 x8 - occupies space for one PCIe slots,
Connectors: 4x Mini-DP Adapter need to be ordered separately.
full height bracket
max. 1x per system

S26361-F4066-E11 S26361-F4066-L11
MiniDP-DP ADAPTER
max. 4x per card

S26361-F4066-E12 S26361-F4066-L12	S26361-F4066-E13 S26361-F4066-L13
DP-VGA ADAPTER	DP-DVI ADAPTER
max. 4x per card	max. 4x per card

PYBCBD017 (will be available in CQ1'25) PY-CBD017 (will be available in CQ1'25)	PYBCBD016 (will be available in CQ1'25) PY-CBD016 (will be available in CQ1'25)
MiniDP-VGA ADAPTER	MiniDP-DVI ADAPTER
max. 4x per card	max. 4x per card

D

D

Chapter 5 RAID-Controller

onboard SATA controller with SW-RAID — max number of drives depends on base units

For Support OS, please check "PRIMERGY Release Matrix" at https://support.ts.fujitsu.com/

onboard controller for SATA HDD or SSD drives					
6 ports 3, 6Gb/s SATA HDD/SSD	based on Intel chipset	No Cache	SW-RAID 0, 1, 10	1x	**onboard, included**

intenal HBA and RAID controller, no 2nd Level cache

internal RAID / HBA controllers for SAS, SATA HDD or SSD drives -Cancelled-					
PRAID CP600i FH	No Cache	RAID 0, 1, 10	1x	**PYBSR4FA**	**PY-SR4FA**
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, supports up to 8 drives without expander requires 1x FH PCIe 4.0 x8 (int.) slot, based on LSI SAS3808					
internal RAID / HBA controllers for SAS, SATA HDD or SSD drives					
PRAID CP500i RAID Contr.	No Cache	RAID 0, 1, 10, 5, 50	1x	**PYBSR3FB**	**PY-SR3FB**

Important: New OS Support
This controller does not support versions later than the following:
Windows Server 2022
Red Hat Enterprise Linux 9
SUSE Linux Enterprise Server 15
When designing systems, consider the OS support lifecycle. If support for the newer OS is required, explore alternative controllers.

8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, supports up to 8 devices without expander
requires 1x FH PCIe 3.0 x8 (int.) slot, based on LSI SAS3408

internal RAID / HBA controllers for SAS, SATA HDD or SSD drives					
PSAS CP 2100-8i FH	No Cache	HBA + RAID 0, 1, 10, 5	1x	**PYBSC3MA2**	**PY-SC3MA2**
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, supports up to 8 drives without expander requires 1x FH PCIe 3.0 x8 (int.) slot					

PY-CBT008
SATA coversion cable
Mini SAS HD connector(Raid card)-4x SATA(Female)
1 x per Raid card

PY-CBT008 is only for w/o BMC model

Chapter 6 Hard disk drives

There is a 6 port SATA controller in the Base Unit.
Up to 4 SATA LFF (3.5") hard disks can be configured.
Up to 2 M.2 SATA SSD can be configured.

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.
512e HDD Disk Drives: VMware 6.0 or earlier is not supported.

HDD Classes:
Economic (ECO) SATA: Entry Class Drives.
Business-Critical (BC) -SATA=Nearline SATA Enterprise Drives / 7.2Krpm,SATA 6G.

3.5" NON hot plug Drives for internal bays

3.5" SSD for NON hot plug bays (internal)

Capacity	*Formfactor*	*Interface*	*Endurance*	*DWPD*		*order code E-part*	*order code L-part*
240GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,5		**PYBTS24NMA**	**PY-TS24NMA**
480GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,5		**PYBTS48NMA**	**PY-TS48NMA**

max. 4x - depending on base unit & configuration

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*
1TB	7 200	SATA 6Gb/s	512n	EOL, as long as stock available	**PYBBH1T2B4**	**PY-BH1T2B4**
2TB	7 200	SATA 6Gb/s	512n		**PYBBH2T2B4**	**PY-BH2T2B4**
4TB	7 200	SATA 6Gb/s	512n		**PYBBH4T2B4**	**PY-BH4T2B4**

max. 4x - 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		**PYBBH6T2E4**	**PY-BH6T2E4**
8TB	7 200	SATA 6Gb/s	512e		**S26361-F5639-E800**	**S26361-F5639-L800**
12TB	7 200	SATA 6Gb/s	512e	EOL, as long as stock available	**PYBBHCT2E4**	**PY-BHCT2E4**

max. 4x - depending on base unit & configuration

EOL, as long as stock available

HDD SATA 3.5" 7.2K (LFF) ECO with **NON** hot plug/hot replace tray

Capacity	*RPM*	*Interface*	*Sector*		*order code E-part*	*order code L-part*
1TB	7 200	SATA 6Gb/s	512e		**S26361-F3952-E100**	**S26361-F3952-L100**

max. 4x - depending on base unit & configuration

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. 4x - depending on base unit & configuration

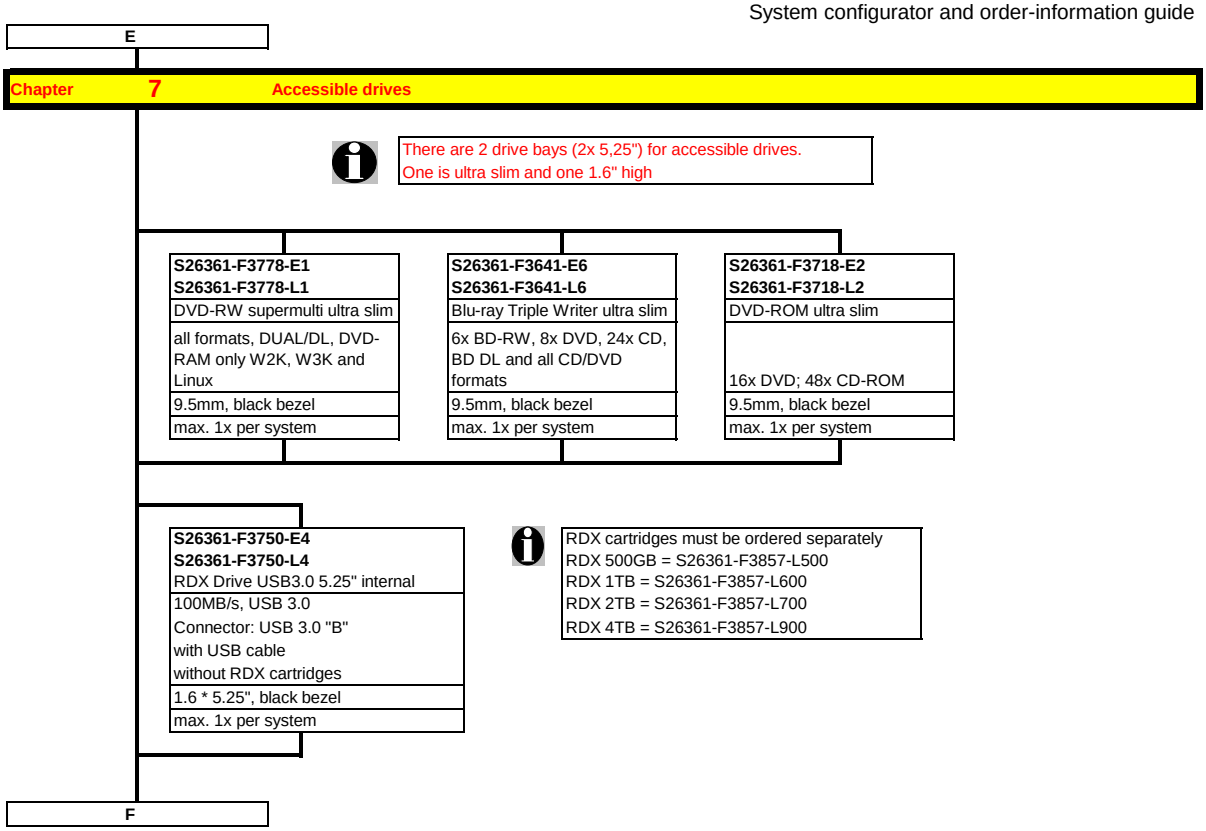
M.2 SATA SSD

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

Capacity	*Formfactor*	*Interface*	*DWPD*	*Category*		*order code E-part*	*order code L-part*
240GB	M.2	SATA 6Gb/s	1,5	Boot		**S26361-F5787-E240**	**S26361-F5787-L240**
480GB	M.2	SATA 6Gb/s	1,5	Boot		**S26361-F5787-E480**	**S26361-F5787-L480**
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, connector located on Motherboard (please see folder "description"). VMware is not supported.

E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Chapter 7 Accessible drives
There are 2 drive bays (2x 5,25") for accessible drives.
One is ultra slim and one 1.6" high
S26361-F3778-E1
S26361-F3778-L1
DVD-RW supermulti ultra slim
all formats, DUAL/DL, DVD-RAM only W2K, W3K and Linux
9.5mm, black bezel
max. 1x per system
S26361-F3641-E6
S26361-F3641-L6
Blu-ray Triple Writer ultra slim
6x BD-RW, 8x DVD, 24x CD, BD DL and all CD/DVD formats
9.5mm, black bezel
max. 1x per system
S26361-F3718-E2
S26361-F3718-L2
DVD-ROM ultra slim
16x DVD; 48x CD-ROM
9.5mm, black bezel
max. 1x per system
S26361-F3750-E4
S26361-F3750-L4
RDX Drive USB3.0 5.25" internal
100MB/s, USB 3.0
Connector: USB 3.0 "B"
with USB cable
without RDX cartridges
1.6 * 5.25", black bezel
max. 1x per system
RDX cartridges must be ordered separately
RDX 500GB = S26361-F3857-L500
RDX 1TB = S26361-F3857-L600
RDX 2TB = S26361-F3857-L700
RDX 4TB = S26361-F3857-L900
F

F

Chapter 8 Communication / Network

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

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

S26361-F3852-E1
(Intel I210-T1)
Gigabit Ethernet Controller 1000TX
PLAN AP 1x1Gbit Cu Intel I210-T1
Single Port 1Gbit Server Adapter
PCIe x1
ext: for RJ45-connector
max. 2x per system

Loose delivery with
FH and LP bracket included:
S26361-F3852-L501

PYBLA284
(Broadcom BCM5719-4P)
Gigabit Ethernet Controller Dual 1000TX
PLAN CP BCM5719-4P 4X 1000BASE-T PCIe
Broadcom 1GTx4port
PCIe 2.0 x4
ext: for RJ45-connector
max. 1x per system

Loose delivery with
FH and LP bracket included:
PY-LA284

G

Chapter 9 - Accessories

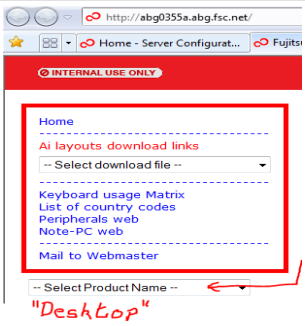
G

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
Mouse M530 Black	n/a	S26381-K468-L100	EOL in December 2023
Mouse M530 Grey	n/a	S26381-K468-L101	EOL in December 2023

USB Keyboards for Tower Servers for following countries:			
USB professional Keyboard KBPC PX ECO	Country version	FUJITSU Keyboard KB521 USB (grey)	
	US/ int 105 keys (UK keyboard + US int. Layout)	S26381-K521-L102	APAC only
	Czech/Slovak	S26381-K521-L104	EOL in December 2023
	US 104 keys (US keyboard + US layout)	S26381-K521-L110	EOL in December 2023
	Germany	S26381-K521-L120	EOL in December 2023
	Germany / Int	S26381-K521-L122	EOL in December 2023
	France	S26381-K521-L140	APAC only
	Sweden / Finland	S26381-K521-L154	EOL in December 2023
	United Kingdom	S26381-K521-L165	EOL in December 2023
	Switzerland	S26381-K521-L170	EOL in December 2023
	Spain	S26381-K521-L180	APAC only
	Italy	S26381-K521-L185	EOL in December 2023

Please find the layout of all Fujitsu keyboards here:
http://abg0355a.abg.fsc.net/



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

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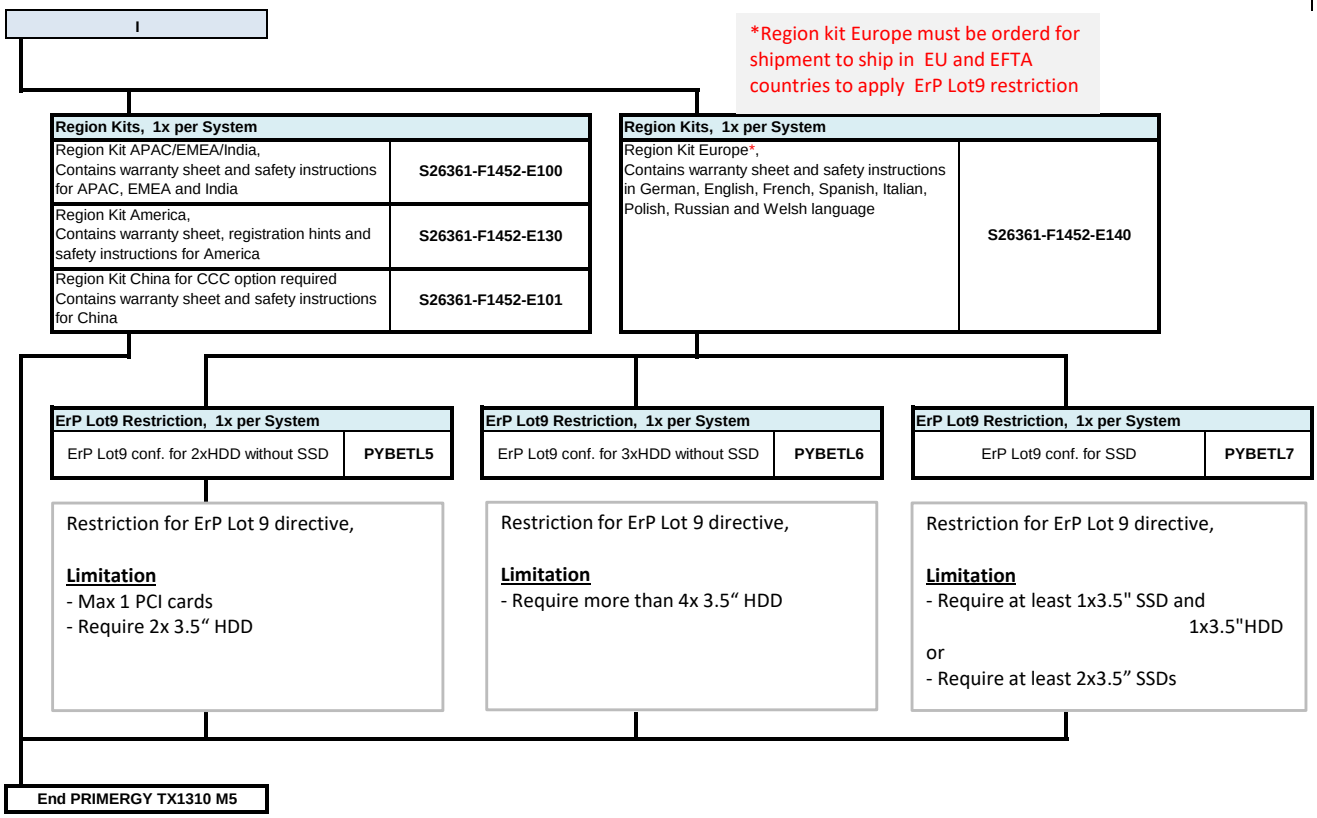
Chapter 12 - ErP Lot 9 restriction



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Chapter 10 Miscellaneous

PYBCOM09 PY-COM09
Serial port (RS232)
mounted on rear wall
max. 1x per system

S26361-F3776-E340
Cool-safe ® Advanced Thermal design see right side
enables the PRIMERGY Server to cope with temperatures from 5-40° in operating mode due to extended Fan settings
this setting can be activated ex factory only
max. 1x per system

S26361-F3776-E345
Cool-safe ® Advanced Thermal design see right side
enables the PRIMERGY Server to cope with temperatures from 5-45° in operating mode due to extended Fan settings
this setting can be activated ex factory only
max. 1x per system

General rules for ATD40 and ATD45:
ATD40: There is no restriction.
ATD45: There is restriction about HDD in HDD slot4. up to 4 TB HDD can be suported. No support for 6/8/12 TB HDD.

The TPM16 is scheduled to reach EOL at the same time as the TX1310M5

PYBTPM16 PY-TPM16
TPM 2.0 module
~~Microsoft Windows Server 2022 only supported~~
required for Microsoft Windows Server 2022
max. 1x per system

PYBTPM19 PY-TPM19
TPM 2.0 module V2
required for Microsoft Windows Server 2022/2025
max. 1x per system

PYBNTPM
No TPM for WINSVR
Either PYBTPM16/PYBTPM19 or PYBNTPM is required with Windows Server 2022/2025
max. 1x per system

When using Windows Server 2022 as host OS, PYBTPM16 / PY-TPM16 or PYBTPM19 / PY-TPM19 are required.
When using Windows Server 2025 as host OS, PYBTPM19 / PY-TPM19 are required.
In case Windows Server 2022 / 2025 is guest OS, the TPM is not necessary.
[PY-TPM16/PYBTPM16] does not support Windows Server 2025
[PY-TPM19/PYBTPM19] does not support Windows Server 2019
Support OS may vary by system.

Chapter 11 Country specific power cords, Region Kits ...

Power cord option for Tower Server, 1x per PSU **Cannot select different types of cables.** **Can be used in combination with relay cable.**		
Cable powercord (D, A, B, F, NL, FIN, N, S, E, P, RUS, TR), 1.8m, black, CEE 7/7 -> C13, 250V	**T26139-Y1740-E10**	**T26139-Y1740-L10**
Cable powercord (China), 1.8m, grey, SEV/ASE 6534-2 -> C13, 250V	**T26139-Y1743-E10**	-
Cable powercord (China), 1.8m, black, GB 2099 / GB 1002 -> C13, 250V	-	**T26139-Y1751-L10**
Cable powercord (UK, IR), 1.8m, grey, BS 1363/A -> C13, 250V	**T26139-Y1744-E10**	**T26139-Y1744-L10**
Cable powercord (I), 1.8m, grey, CEI 23-50 -> C13, 250V	**T26139-Y1745-E10**	**T26139-Y1745-L10**
Cable powercord (DK), 1.8m, grey, SB 107-2-D1 -> C13, 250V	**T26139-Y1746-E10**	**T26139-Y1746-L10**
Cable powercord (ISR), 2.5m, black, C13, 250V	**T26139-Y1747-E18**	**T26139-Y1747-L18**
Cable powercord (Thailand), 1.8m, rack or wall, TIS 166-2549 -> C13, 250V	**T26139-Y1753-E10**	**T26139-Y1753-L10**
Cable powercord (Taiwan), 1.8m, rack or wall, CNS690 -> C13, 125V	**T26139-Y1757-E10**	**T26139-Y1757-L10**
Cable powercord (USA) 15A, 1.8m, black, NEMA 5-15 connector 498G -> C13 (plug), 15A, , rack or wall, 125V	**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, 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, Spanish, Italian, Polish, Russian and Welsh language, need to be included always into the order from EU and EFTA	**S26361-F1452-E140**	-	(Sales region for EMEIA only)
Region Kit China for CCC option required systems, Contains warranty sheet and safety instructions for China, need to be included always into the order from China country	**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 option	**S26361-F3301-E120**	-

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below shows additonal option for w/BMC.

PYBRMC44 PY-RMC44
RMC 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**

~~cancelled~~
~~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			

Chapter 13 - Energy Star restrictions

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*Applicable only for PYT1315TBS

S26361-F3301-E241 **will be expired after 2024-1-11**
E-Star Fam1 Certification
RX/TX13x0 Mx E-Star Fam1
Limits configuration in accordance
with Energy Star requirements
max. 1x per system

*Applicable only for PYT1315TBS

PYBES21 **will be effective after 2024-1-12**
E-Star Fam1 Certification
RX/TX13x0 Mx E-Star Fam1
Limits configuration in accordance
for ENERGY STAR V4.0
max. 1x per system

limitations for E-Star Fam1certification.

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

<ENERGY STAR V3.0 / S26361-F3301-E241>
do not use more than one PCIe cards (RAID, LAN, …) (one is ok)

<ENERGY STAR V4.0 / PYBES21>
use one of the following CPUs : Xeon E-2356G/E-2374G
use total 16GB or more DIMMs
use less than five SATA SSDs(Max. 4x: including M.2 SSD) / do not use any HDDs
do not use any PCIe cards (RAID, LAN, …)

ENERGY STAR-configurationen will be labeld: PRIMERGY TX1310 M5 E-Star Fam1
non ENERGY STAR-configurationen will be labe PRIMERGY TX1310 M5

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Change Report

Date of change	Configurator revision	Folder / order code / description	What has been changed / comment
2021-11-19			1st release
2021-11-22		others	added Notes for TPM2.0
2021-12-13		others	removed PYBTPM12/PY-TPM12
2021-12-23		others	updated Notes for TPM2.0
2021-12-23		RAM	removed PYBME08UG3/PY-ME08UG3/PYBME16UG4/PY-ME16UG4
2022-01-05		ODD, backup	added RDX schedule
2022-01-13		others	changed TPM14 to TPM16
2022-01-14		others	deleted the note for PYBCOM09/PY-COM09
2022-02-03		RAID, HDD_SSD	removed PSAS CP 2100-8i
2022-03-15		GFX	add T400 4GB & A2
2022-03-16		ODD, backup	released RDX Drive
2022-03-16		others	updated Notes for TPM2.0
2022-03-23		Base	add base unit for 450W PSU
2022-04-01		RAID, HDD_SSD	updated about BSMI for PSAS CP 2100-8i
2022-04-14		GFX	arrange the layout.
2022-04-20		Base, RAID, HDD_SSD, others	arrange the layout.
2022-05-02		RAID, HDD_SSD	added OS support matrix for SW-RAID
2022-05-19		RAID, HDD_SSD	added PRAID CP600i
2022-05-30		RAID, HDD_SSD	updated OS support matrix for SW-RAID, removed BSMI limitation from PSAS CP 2100-8i
2022-06-01		GFX	Remove the MiniDP-DP ADAPTER condition
2022-06-16	1,19	change_history	Introduce this history table with a new style
2022-07-12	1.20	LAN	Added Broadcom LAN. PYBLA284,PY-LA284.
2022-07-25	1.21	Base, RAID, others	products for APAC and Japan market only were displayed
2022-08-22	1.22	others	updated Notes for TPM2.0
2022-08-25	1.23	RAID, HDD_SSD	removed the description "as soon as available" for HDD BC-SATA drives according to T50 report
2022-09-15	1.24	RAID, HDD_SSD	added Cable Kit for CP6xxi: PY-CBS095
2022-09-16	1.25	RAID, HDD_SSD	updated release info of PSAS CP 2100-8i for w/o BMC model added SLES15 SP4 to OS support matrix for SW-RAID
2022-10-21	1.26	RAID, HDD_SSD	added the HDD ECO-SATA 5.4K "PY*PH1T4E/PY*PH2T4E" added the SM.2 SSD SATA 960GB "PY*MF96YN"
2022-11-24	1.27	Base	removed "will be available in Nov. 2022" from PYT1315TBS added remark to PYT1315T3S
2022-12-19	1.28	Energy Star restrictions	added Chapter 13 - Energy Star restrictions
2023-02-03	1.29	RAID, HDD_SSD	added RHEL 9 GA and 8.7 to OS support matrix for SW-RAID
2023-02-21	1.30	LAN	update available information
2023-04-18	1.31	RAID, HDD_SSD	updated availability schedules
2023-05-09	1.32	RAID, HDD_SSD	updated availability schedules for ECO-SATA and M.2 SATA 960GB
2023-05-15	1.33	RAID, HDD_SSD	added RHEL 9.1 to OS support matrix for SW-RAID updated availability schedules
2023-06-15	1.34	RAID, HDD_SSD	cancelled PRAID CP600i
2023-08-08	1.35	RAID, HDD_SSD	added RHEL 8.8, 9.2 and SLES15 SP5 to OS support matrix for SW-RAID
2023-10-03	1.36	RAM, others	Add new order code for 8GB UDIMM, and current BTO order code will be EOL Add new TPM
2023-11-06	1.37	RAID, HDD_SSD	updated Note for onboard SATA SW-RAID
2023-11-09	1.38	Energy Star restrictions	added E-Star Fam1 Certification for ENERGY STAR V4.0
2023-11-20	1.39	Energy Star restrictions	added the guidelines for ENERGY STAR V4.0
2023-12-01	1.40	Description	added embedded Lifecycle Management (eLCM) to recommended components
2023-12-19	1.41	RAM	update PYBME08UG2 which is EOLed
2023-12-20	1.42	RAM	update PYBME08UG2 EOL date
2023-12-21	1.43	USB devices	update Mouse and keyboard status
2023-12-22	1.44	RAM	change PYBME08UG2 EOL date
2024-02-16	1.45	others	added the iRMC MicroSD card option for eLCM
2024-03-04	1.46	others	remove PY-TPM19 and PYBTPM19 add PYBNTPM and information
2024-03-25	1.47	others	revised the description about iRMC MicroSD card option for eLCM
2024-07-11	1.48	GFX	Add A400.
2024-07-30	1.49	RAID, HDD_SSD	added Note on New OS Support to PRAID CP500i
2024-07-11	1.50	GFX	Add A400 FH. Delete A400 LP
2024-08-27	1.51	RAID, HDD_SSD	updated Note on New OS Support for PRAID CP500i
2024-09-06	1.52	others	cancelled the iRMC MicroSD card options
2024-09-11	1.53	GFX	revised the typo about DVI cable.
2024-09-18	1.54	GFX	Update A400 schedule.
2024-09-18	1.55	RAID, HDD_SSD	added the EOL information for 3.5" HDD 7.2K SATA 12TB
	1.56	PSU	Added instructions on how to select cables
2024-10-18	1.57	ErP Lot9	Updated PYBETL7 Limitation
2024-10-23	1.58	ErP Lot9	Corrected PYBETL6 Limitation more than 3x -> more than 4x
2024-11-12	1.59	GFX	Update the miniDP cable for A400.
2024-12-02	1.60	PSU	Change the color of power cable(T26139-Y1740-L10) to black.
2024-12-17	1,61	others	add TPM19
2024-12-24	1,62	GFX	Update the miniDP cable information/A400.
2025-01-08	1,63	RAID, HDD_SSD	updated the EOL information for HDD 3.5" BC-SATA 1TB
2025-03-27	1,64	others	update TPM19 release timing
2025-04-02	1,65	RAM	Added Micron 2nd source DIMMs (PY*ME16UG5/PY*ME32UG3) in background
2025-04-08	1,66	others	update TPM information
2025-04-18	1,66	others	update TPM information
2025-05-12	1,67	GFX	Update T400 EOL
2025-05-14	1,68	RAM	Added Micron 2nd source DIMMs (PY*ME16UG5/PY*ME32UG3) [Background-> Front page]