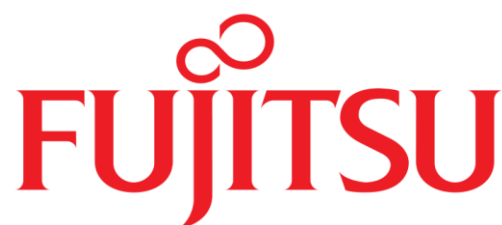


PRIMERGY TX1330 M3
Tower or 4U Rack server



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 TX1330 M3
2		describes rack mount kits and services
3	CPU	Order code and Infos of processors
4	RAM	DDR4 System memory (RAM)
5	GFX	Graphics-, Grid-cards, GPU and Xeon Co processors
6	HD_cage	HDD cage kits
7	RAID	SAS / RAID Controller and components
8	ODD	optical disk drives (DVD, DVD-rw, Blu ray)
9	Backup	LTO drives & RDX drive
10	HD_SSD	Storage drives - PCIe SSD - SAS/SATA SSD & HDD
11		LAN Components
12	LAN_FC_IB	Fibre Channel Controller (n.a. for TX1330 M3)
13		Infiniband Controller (n.a. for TX1330 M3)
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 PC-/SystemArchitect 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 PC-/SystemArchitect.

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 prerequisites, technical back ground, configuration rules, limitations, ...)

S26361-F4610-E2
S26361-F4610-L3
PLAN 2x1Gb Ethern. Controller
i350-T2 chip (based on Intel Powerville) offers 2x1Gb RJ45 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

For further information see:

Link to datasheet:

[http:// xxx](http://xxx)

http://ts.fujitsu.com/products/standard_servers/index.html

(internet)

https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/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

The PRIMERGY TX1330 M3 Server offers 3 drive mounting areas:

Start

accessible drive area (purple color code) with

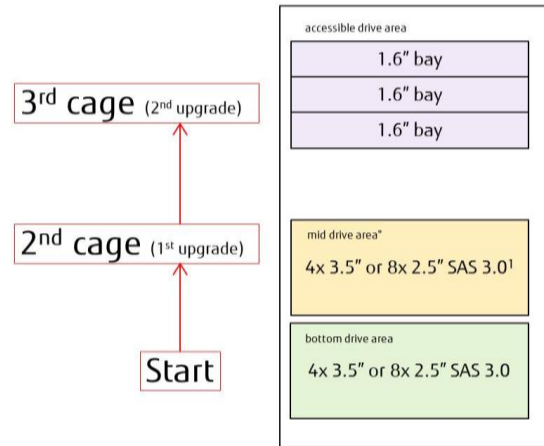
- 3x 1.6" bay for optical drives or LTO/RDX drives (standard)
- or optional 3rd cage for up to 4x 3.5" SAS 3.0 LFF HDD (then only a 9.5mm ODD can be configured)
- or optional 3rd cage for up to 8x 2.5" SAS 3.0 SFF HDD or SSD (then 1x 1.6" ODD / backup drive / LSD 0.5" ODD combination can be configured)

mid drive area (yellow color code) - optional with

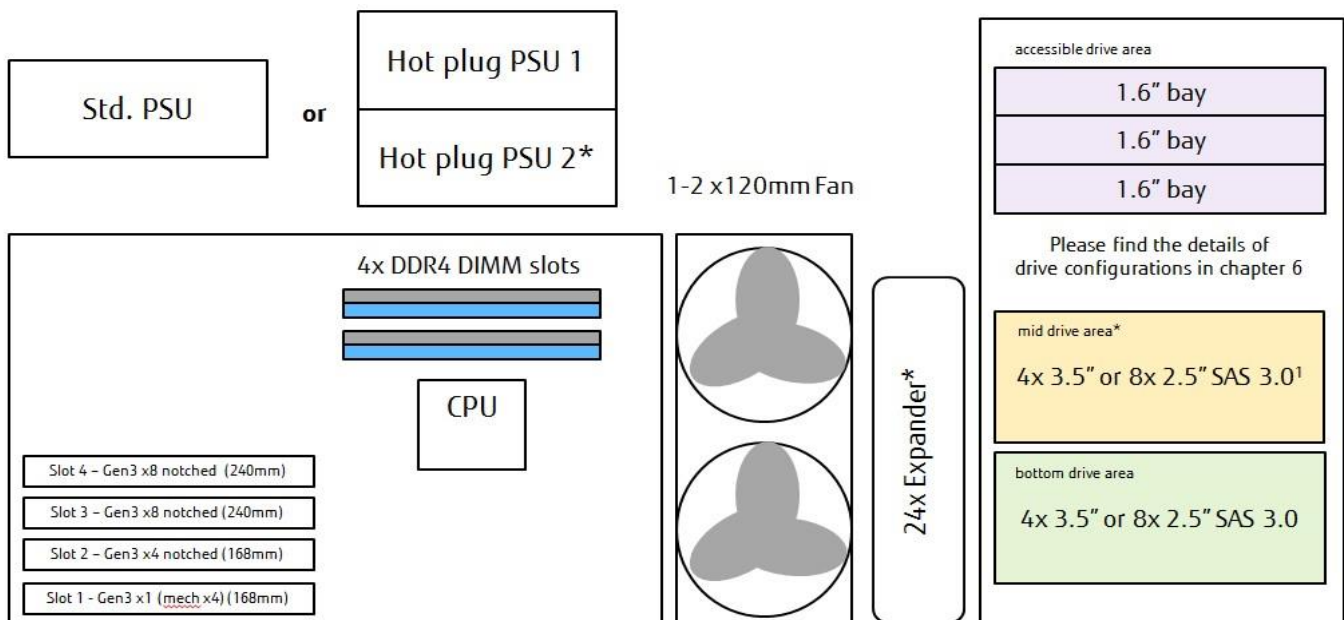
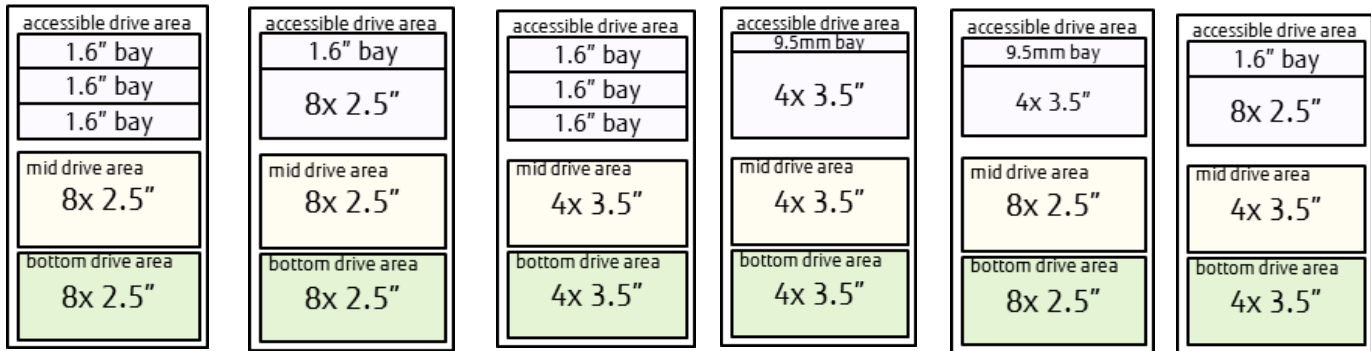
- space for 2nd cage with up to 4x 3.5" SAS 3.0 LFF HDD
- or space for 2nd cage with up to 8x 2.5" SAS 3.0 SFF HDD or SSD

bottom drive area (green color code) - mandatory with

- space for up to 4x 3.5" SAS 3.0 LFF HDD
- or space for up to 8x 2.5" SAS 3.0 SFF HDD or SSD



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



* - option
 1 - in the bottom and mid drive area either 2.5" or 3.5" are allowed

Chapter 1 - base unit

Start

Power supply units & cooling

For the PRIMERGY TX 1330 M3 you can choose between a standard power supply unit (PSU) with 300W or an hot plug PSU with 450W (opt. redundant). In case you choose the hot plug PSU you will get redundant Fans as well.

Server Management

iRMC S4 (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 D3373 made in Germany based on Chipset Intel® C236
> cables for connection to the modular or onboard controllers included
> Celeron, Pention, Core i3 or Xeon E3-1200 v6 series CPUs

Slots:

- Slot 4 PCIe-Gen3 x8 (notched) - supports modular RAID functions
- Slot 3 PCIe-Gen3 x8 (notched) - preffered slot for Grafics Card option
- Slot 2 PCIe-Gen3 x4 (notched)
- Slot 1 PCIe-Gen3 x1 (mechanically x4) - may be used for legacy PCI option

System RAM DDR4-2400 MHz

4 memory slots for max. 64GB DDR4 RAM.

LAN

2x Intel i210 Gigabit Ethernet

Software

* ServerView Suite Software incl. ServerStart, ServerBooks, Management Software and Updates

Connectivity

Interfaces at rear side

- 1x RS-232-C (serial, 9 pin)
- 2 LAN RJ45 (1 Gbit)
- 1 service LAN RJ45 (1 Gbit)
- 1x VGA (15 pins)
- 2x USB 3.0 & 4x USB 2.0 no USB wakeup

Interfaces at front

2x USB 3.0 no USB wakeup

Interfaces internal

- 1x internal USB 3.0 connectors for backup devices
- 1x UFM
- 2x SATA 6G (2x w/ SATA DOM support)
- 1x Mini SAS/SATA (4x SATA 6G)

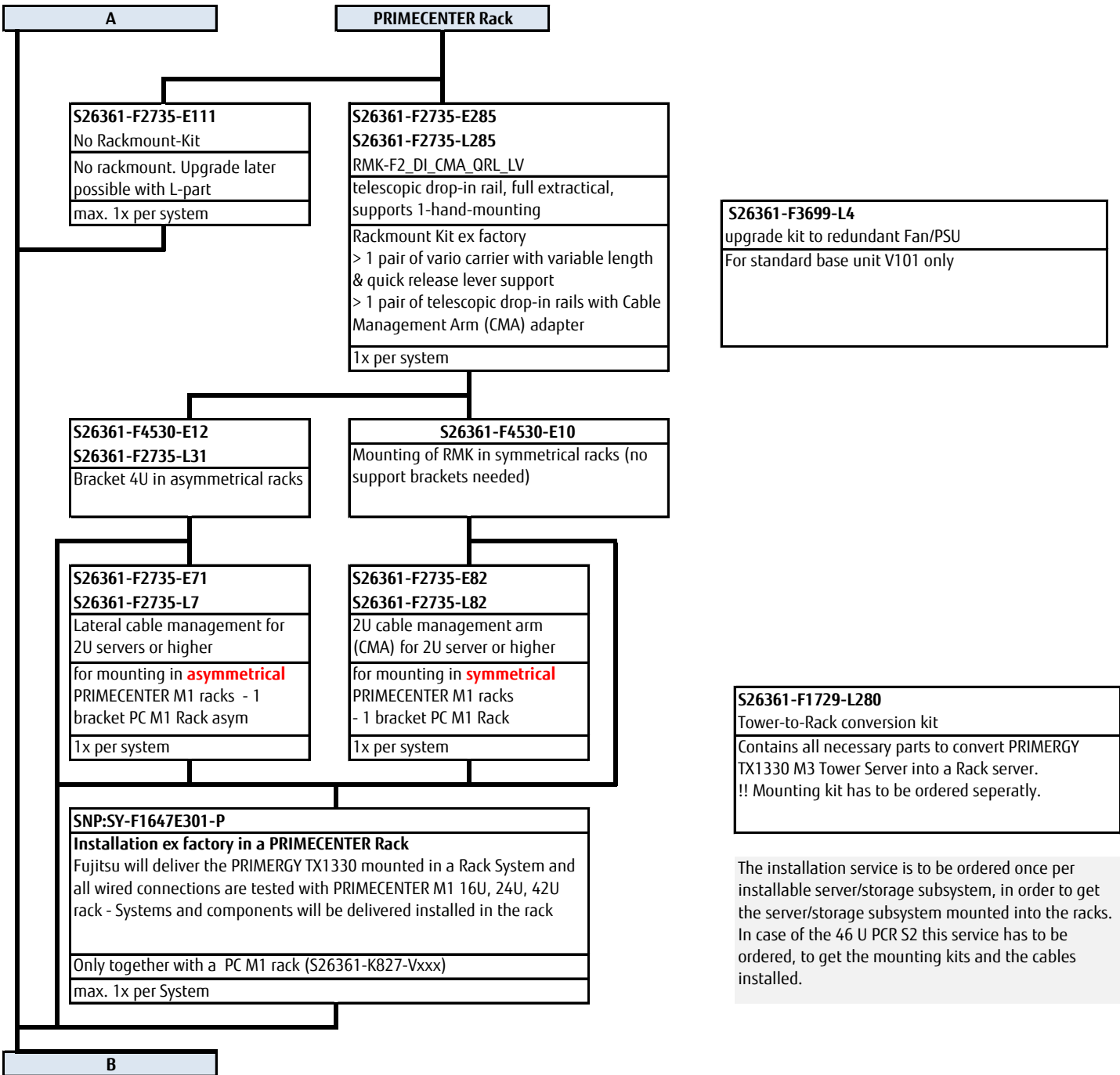
Floorstand
S26361-K1601-V101
TX1330 M3 Base Unit standard
S26361-K1601-V201
TX1330 M3 Base Unit redundant Fan and hot plug PSU

Rack
to create an Rack Base Unit w/ standard PSU you can use the Tower-to-Rack conversion kit (S26361-F1729-L280)
S26361-K1601-V601
TX1330 M3 Base Unit redundant Fan and hot plug PSU

A

PRIMECENTER Rack

Chapter 2 - Rack architecture



Chapter 3 - Options for Base Unit

B

For later upgrade to redundancy the following PSU-kits are available:

1 power supply module 450W hot plug:	S26113-F575-L13
Supplementary module	
Attention: There is no power cable included!	

Std to Redundant Fan/PSU Upgrade Kit	S26361-F3699-L4
consisting of a redundant Fans w/ Airduct, PSU cage and backplane	
Does not contain any PSU module	

C

Chapter 3 - CPU

B

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

Pentium (Kaby Lake-E)	
64-bit Intel Pentium processor supporting DDR4 @ 2.400MHz	
Pentium G4560 3.5GHz 2C/4T 3MB 2400MHz (54W)	S26361-F4029-E104

Core i3 (Kaby Lake-E)	
64-bit Intel Core i3 processor supporting DDR4 @ 2.400MHz	
Core i3-7100 3.9GHz 2C/4T 3MB 2400MHz (51W)	S26361-F4029-E107

Xeon E3-12xx v6 (Kaby Lake-E)	
64-bit Intel Xeon processor supporting DDR4 @ 2.400MHz	
Xeon E3-1220v6 3.0GHz 4C/4T 8MB 2400MHz Turbo (72W)	S26361-F4029-E120
Xeon E3-1225v6 3.3GHz 4C/4T 8MB 2400MHz Turbo (73W)	S26361-F4029-E125
Xeon E3-1230v6 3.5GHz 4C/8T 8MB 2400MHz Turbo (72W)	S26361-F4029-E130
Xeon E3-1240v6 3.7GHz 4C/8T 8MB 2400MHz Turbo (72W)	S26361-F4029-E140
Xeon E3-1270v6 3.8GHz 4C/8T 8MB 2400MHz Turbo (72W)	S26361-F4029-E170
Xeon E3-1280v6 3.9GHz 4C/8T 8MB 2400MHz Turbo (72W)	S26361-F4029-E180

On special release request only

C

Chapter 4 - DDR4 System memory

D

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. 64GB unbuffered DDR4 RAM for UDIMMs with 16GB moduls @ 2.400 MT/s

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

Unbuffered Memory (UDIMM) with ECC support			
4GB (1x4GB) 1Rx8 DDR4-2400 U ECC	single rank	S26361-F3909-E614	S26361-F3909-L614
8GB (1x8GB) 1Rx8 DDR4-2400 U ECC	single rank	S26361-F3909-E615	S26361-F3909-L615
16GB (1x16GB) 2Rx8 DDR4-2400 U ECC	Dual rank	S26361-F3909-E616	S26361-F3909-L616

E

Chapter 5 - Graphics cards

E

S26361-F2748-E538 S26361-F2748-L538	S26361-F4066-E400 S26361-F4066-L400
PGRA CP NVS 1GB VGA PCIe x16	PGRA CP NVIDIA Quadro P400
NVIDIA NVS315 1024 MB PCIe-x16	NVIDIA Quadro P400 2GB PCIe 3.0 x16
Connectors: 1x LFH 59 cable kit for 2x DVI or 2x VGA cable kits included	Connectors: 3x Mini-DP no cable kit included
Dual head + professional 2-D + 3-D supported for Windows OS native driver support for Linux OS full height bracket	Dual head + professional 2-D + 3-D supported for Windows OS native driver support for Linux OS full height bracket
max. 1x per system	max. 1x per system

For deliveries to China with CCC label no grafic card is allowed within the configuration. It can be ordered as loose delivery only!

The high end optional NVIDIA NVS315 graphic card offers dual head operation and fully 3D video support. The cables for either two times DVI or VGA connections are part of the deflivery. Remote Video direction via iRMC must be disabled.

For deliveries to China with CCC label no grafic card is allowed within the configuration. It can be ordered as loose delivery only!

The high end optional NVIDIA Quadro P400 graphic card offers triple head operation and fully 3D video support. There is no cable kit. Remote Video direction via iRMC must be disabled.

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

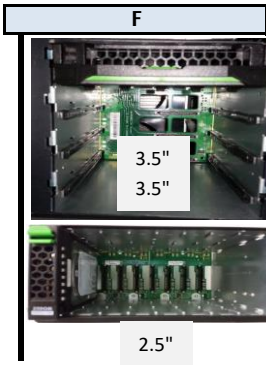
S26361-F4066-E12 S26361-F4066-L12
DP-VGA ADAPTER
max. 3x per card

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

F



Chapter 6 - HD drive cage



Definition:

HD drive cage = metal box providing 4 bays for 3.5" HDD or 8 bays for 2.5" HDD/SSD (see sample pictures left). Please choose one of the drive cage kits of the following pages. Each kit contains all relevant parts (metal cage, SAS 3.0 backplanes, SAS 3.0 cables and mounting materials). Kits for more than 8x SAS 3.0 HDD contain a 24x SAS 3.0 Expander. The red dotted line highlights the content of each drive cage kit.

- 1) indicates the order code of the complete kit, explanation & describes the content
- 2) lists the recommended or possible RAID controllers with the related order code
- 3) describes how many drive bays for ODD / backup drives are available
- 4) lists the available upgrade kit options after purchase.
- ! for upgrades in the accessible drive area the mid drive area must be completed first!
- 5) Remark

accessible drive area
1.6" bay
1.6" bay
1.6" bay
mid drive area
4x 3.5"
bottom drive area
4x 3.5"

1) S26361-F3899-E304	Basic 3.5" kit for 4x SAS 3.0 HDD mounted in the bottom drive area		
1x 3.5" kit for up to 4x 3.5" HDD incl. SAS 3.0 Backplane & SAS 3.0 cable mounted in bottom drive area			
2a) recommended RAID configuration			
2b) possible RAID controllers			
1x S26361-F3842-E1	PRAID CP400i	S26361-F5243-E1	PRAID EP400i - 1GB Cache
		S26361-F5243-E2	PRAID EP420i - 2GB Cache
3) accessible drive area	3x 1.6" bays for DVD, Blu Ray, LTO or RDX drives or additional HDD cages available*		
4) S26361-F3899-L1	4x 3.5" HDD kit for mid drive area		
4) S26361-F3899-L2	4x 3.5" HDD kit incl. Expander, SAS 3.0 BPL & cables for accessible drive area*		
4) S26361-F3899-L3	8x 2.5" HDD kit incl. Expander, SAS 3.0 BPL & cables for accessible drive area*		
4) Restriction	upgrade of mid drive area requires redundant Base Unit (V201, V601)		
5) Remark	up to 4x SATA HDD can be operated using the onboard RAID Controller		
*) S26391-F3899-L1 is mandatory			

accessible drive area
1.6" bay
1.6" bay
1.6" bay
mid drive area
4x 3.5"
bottom drive area
4x 3.5"

1) S26361-F3899-E308	Medium 3.5" kit for 8x SAS 3.0 HDD mounted in the bottom and mid drive area		
2x 3.5" HDD cages for up to 8x 3.5" HDD incl. SAS 3.0 Backplanes & SAS 3.0 cables mounted in the bottom and mid drive area			
1) Restriction	redundant Base Unit (V201, V601) required		
2a) recommended RAID configuration			
2b) possible RAID controllers			
1x S26361-F3842-E1	PRAID CP400i	S26361-F5243-E1	PRAID EP400i - 1GB Cache
		S26361-F5243-E2	PRAID EP420i - 2GB Cache
3) accessible drive area	3x 1.6" bays for DVD, Blu Ray, LTO or RDX drives or additional HDD cages available		
4) S26361-F3899-L2	4x 3.5" HDD kit incl. Expander, SAS 3.0 BPL & cables for accessible drive area		
4) S26361-F3899-L3	8x 2.5" HDD kit incl. Expander, SAS 3.0 BPL & cables for accessible drive area		

accessible drive area
9.5mm bay
4x 3.5"
mid drive area
4x 3.5"
bottom drive area
4x 3.5"

1) S26361-F3899-E312	Maximum 3.5" kit for 12x HDD mounted in the bottom, mid & accessible drive area		
3x 3.5" HDD cages for bottom, mid and accessible drive area for up to 12x 3.5" HDD incl. 24x SAS 3.0 Expander, SAS 3.0 Backplanes & SAS 3.0 cables. HDD cage (acc. Area) are mounted directly to the housing - higher noise levels may occur			
1) Restriction	redundant Base Unit (V201, V601) required		
2a) recommended RAID configuration			
2b) possible RAID controllers			
1x S26361-F3842-E2	PSAS CP400i for MS spaces	S26361-F5243-E1	PRAID EP400i - 1GB Cache
		S26361-F5243-E2	PRAID EP420i - 2GB Cache
3) accessible drive area	!! 1x 9.5mm bay for ultra slim DVD or Blu Ray available		

accessible drive area
1.6" bay
8x 2.5"
mid drive area
4x 3.5"
bottom drive area
4x 3.5"

1) S26361-F3899-E316	Mix 3.5" / 2.5" kit for 8x3,5" + 8x2,5" HDD mounted in the bottom, mid & accessible drive area		
2x 3.5" HDD cages for bottom, mid + 1x 2.5" HDD cage for accessible drive area for up to 8x 3.5" + 8x 2,5" HDD incl. 24x SAS 3.0 Expander, SAS 3.0 Backplanes & SAS 3.0 cables. HDD cage (acc. Area) are mounted directly to the housing - higher noise levels may			
1) Restriction	redundant Base Unit (V201, V601) required		
2a) recommended RAID configuration			
2b) possible RAID controllers			
1x S26361-F3842-E2	PSAS CP400i for MS spaces	S26361-F5243-E1	PRAID EP400i - 1GB Cache
		S26361-F5243-E2	PRAID EP420i - 2GB Cache
3) accessible drive area	1x 1.6" bays for DVD, Blu Ray, LTO or RDX drives available		

accessible drive area 1.6" bay 1.6" bay 1.6" bay	1) S26361-F3899-E208	Basic 2.5" kit for 8x SAS 3.0 HDD or SSD mounted in the bottom drive area basic 2.5" HDD kit for up to 8x 2.5" SAS 3.0 HDD or SSD incl. SAS 3.0 Backplane & SAS 3.0 cable	
	2a) recommended RAID configuration		2b) possible RAID controllers
	1x S26361-F3842-E1	PRAID CP400i	S26361-F5243-E1 S26361-F5243-E2
mid drive area 8x 2.5"	3) accessible drive area	3x 1.6" bays for DVD, Blu Ray, LTO or RDX drives	
	4) S26361-F3899-L11	8x 2.5" HDD kit for mid drive area incl. Expander, SAS 3.0 BPL & cables	
	4) S26361-F3899-L12	8x 2.5" HDD kit SAS 3.0 BPL & cables for accessible drive area*	
	4) S26361-F3899-L13	4x 3.5" HDD kit SAS 3.0 BPL & cables for accessible drive area*	
	4) Restriction	upgrade of mid drive area requires redundant Base Unit (V201, V601)	
bottom drive area 8x 2.5"	5) Remark	up to 4x SATA HDD can be operated using the onboard RAID Controller *) S26391-F3899-L11 is mandatory	

accessible drive area 1.6" bay 1.6" bay 1.6" bay	1) S26361-F3899-E216	mid 2.5" kit for 16x SAS 3.0 HDD or SSD mounted in the bottom & mid drive area mid 2.5" HDD kit for up to 16x 2.5" SAS 3.0 HDD or SSD incl. 24x SAS 3.0 Expander, SAS 3.0 Backplanes & SAS 3.0 cable		
	1) Restriction		redundant Base Unit (V201, V601) required	
	2a) recommended RAID configuration		2b) possible RAID controllers	
mid drive area 8x 2.5"	1x S26361-F3842-E2	PSAS CP400i for MS spaces	S26361-F5243-E1 S26361-F5243-E2	PRAID EP400i - 1GB Cache PRAID EP420i - 2GB Cache
	3) accessible drive area	3x 1.6" bays for DVD, Blu Ray, LTO or RDX drives or additional HDD cages available		
bottom drive area 8x 2.5"	4) S26361-F3899-L12	8x 2.5" HDD kit SAS 3.0 BPL & cables for accessible drive area		
	4) S26361-F3899-L13	4x 3.5" HDD kit SAS 3.0 BPL & cables for accessible drive area		

accessible drive area 9.5mm bay 4x 3.5"	1) S26361-F3899-E220	Mixed 2.5"/3.5" kit for 16x 2.5" HDD/SSD (bottom/mid) plus 4x 3.5" HDD (acc. Drive area) 2x 2.5" HDD cages for bottom & mid drive area plus 1x 3.5" HDD cage for accessible drive area for up to 16x 2.5" HDD & 4x 3.5" HDD incl. 24x SAS 3.0 Expander, SAS 3.0 Backplanes and SAS 3.0 cables. ! HDD cages are mounted directly to the housing - higher noise levels may occur		
	1) Restriction		redundant Base Unit (V201, V601) required	
mid drive area 8x 2.5"	2a) recommended RAID configuration		2b) possible RAID controllers	
	1x S26361-F3842-E2	PSAS CP400i for MS spaces	S26361-F5243-E1 S26361-F5243-E2	PRAID EP400i - 1GB Cache PRAID EP420i - 2GB Cache
bottom drive area 8x 2.5"	3) accessible drive area	!! 1x 9.5mm bay for ultra slim DVD or Blu Ray available		
	4) no upgrades possible			

accessible drive area 1.6" bay 8x 2.5"	1) S26361-F3899-E224	Supreme 2.5" kit for 24x SAS 3.0 HDD or SSD mounted in the bottom, mid and accessible drive area Supreme 2.5" HDD kit for up to 24x 2.5" SAS 3.0 HDD or SSD incl. 24x SAS 3.0 Expander, SAS 3.0 Backplanes & SAS 3.0 cable. ! HDD cages are mounted directly to the housing - higher noise levels may occur		
	1) Restriction		redundant Base Unit (V201, V601) required	
mid drive area 8x 2.5"	2a) recommended RAID configuration		2b) possible RAID controllers	
	1x S26361-F3842-E2	PSAS CP400i for MS spaces	S26361-F5243-E1 S26361-F5243-E2	PRAID EP400i - 1GB Cache PRAID EP420i - 2GB Cache
bottom drive area 8x 2.5"	3) accessible drive area	1x 1.6" bays for DVD, Blu Ray, LTO or RDX drives available		
	no upgrades possible			

You did not find your preferred drive cage configuration in this comprehensive list of popular bundles?
--> Please contact our made4you team (mailto:customer.projects@ts.fujitsu.com) for more customer specific solutions.
E.g. 2nd RAID Controller, boot from onboard SATA, ...

G

Chapter 7 - SAS / RAID Controller

H

S26361-F3842-E2 S26361-F3842-L502
based on LSI SAS3008
based on LSI SAS3008
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
No Cache
RAID 0, 1
requires 1x FH PCIe 3.0 x8
max. 1x for HDD/SSD

S26361-F3842-E1 S26361-F3842-L501
based on LSI SAS3008
based on LSI SAS3008
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
No Cache
RAID 0, 1, 1E, 10, 5, 50
requires 1x FH PCIe 3.0 x8
max. 1x per system

S26361-F5243-E1 S26361-F5243-L1
based on LSI SAS3108
based on LSI SAS3108
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
1GB Cache, opt. TFM, FBU
RAID 0, 1, 1E, 10, 5, 50, 6, 60
requires 1x FH PCIe 3.0 x8
max. 1x per system

S26361-F5243-E2* S26361-F5243-L2
based on LSI SAS3108
based on LSI SAS3108
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
2GB Cache, opt. TFM, FBU
RAID 0, 1, 1E, 10, 5, 50, 6, 60
requires 1x FH PCIe 3.0 x8
max. 1x per system

****SafeStore (SED) RAID controller require HDD or SSD devices with SafeStore (SED) functionality**

*S26361-F5243-E4/L4**
PRAID EP420i for SafeStore supports HDD Encryption available on special release

S26361-F5243-E100 S26361-F5243-L100
TFM module for 1GB Cache
NV-RAM & FBU control logic
max. 1x per controller

S26361-F5243-E200 S26361-F5243-L200
TFM module for 2GB Cache
NV-RAM & FBU control logic
max. 1x per controller

Note: only xy FBU per system possible

S26361-F5243-E155 S26361-F5243-L110
Flash Backup Unit (FBU)
Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length
max. 1x per controller

RAID Advanced Software free of charge test licence available: PRIMERGY-PM

Fastpath is free of charge

S26361-F5243-E670 S26361-F5243-L670
RAID Advanced SW Option CacheCade
License Activation Key for CacheCade 2.0
max. 1x per controller

up to 4x SATA HDD can be operated using the onboard RAID Controller
If you are using SAS or more than 4x SATA HDD a plug in Controller is required

all SAS3.0 RAID Controllers support OOB-RAID including OOB-HDD monitoring and require no OOB-HDD cable
the OOB-HDD cable is automatically equipped for onboard or HBA Controller

I

Chapter 7 - SAS / RAID Controller

H

onboard SATA controller with SW-RAID

onboard controller for SATA HDD or SSD drives

4 ports 3, 6Gb/s SATA HDD/SSD | based on Intel chipset | No Cache | SW-RAID 0, 1 | 1x | onboard

internal HBA and RAID controller, no 2nd Level cache

internal drive RAID / HBA controllers for SAS, SATA HDD or SSD drives

8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, supports up to 8 devices without expander
requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3008

PRAID CP400i RAID Contr.	No Cache	RAID 0, 1, 1E, 10, 5, 50	1x	S26361-F3842-E1	S26361-F3842-L501
PSAS CP400i HBA SAS Contr.	No Cache	HBA + RAID 0, 1	1x	S26361-F3842-E2	S26361-F3842-L502

internal RAID controller with 2nd Level cache 1GB, 2GB

internal drive RAID / SAS, SATA controllers with Cache and opt. TFM module + Flash Backup Unit and opt. Advanced SW Options

PRAID EP400i RAID Contr.	1GB Cache	RAID 0,1,1E,10,5,50,6,60	1x	S26361-F5243-E1	S26361-F5243-L1
---------------------------------	-----------	--------------------------	----	-----------------	-----------------

8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, supports up to 8 devices without expander
requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3108

optional Licence Activation Key, a free of charge test licence is available at PRIMERGY-PM, FastPath is included in Controller FW

RAID Advanced SW Option CacheCade	1x	S26361-F5243-E670	S26361-F5243-L670
-----------------------------------	----	-------------------	-------------------

optional Transportable Flash module (TFM) and Flash Backup Unit (FBU), both components required

TFM module for 1GB Cache	NV-RAM & FBU control logic	1x	S26361-F5243-E100	S26361-F5243-L100
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FBU Option for PRAID EP4xx: Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length	1x	S26361-F5243-E155	S26361-F5243-L110
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PRAID EP420i RAID Contr.	2GB Cache	RAID 0,1,1E,10,5,50,6,60	1x	S26361-F5243-E2	S26361-F5243-L2
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PRAID EP420i for SafeStore R. Contr.	2GB Cache	RAID 0,1,1E,10,5,50,6,60	1x	S26361-F5243-E4**	S26361-F5243-L4**
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8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, supports up to 8 devices without expander
requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3108

optional Licence Activation Key, a free of charge test licence is available at PRIMERGY-PM, FastPath is included in Controller FW

RAID Advanced SW Option CacheCade	1x	S26361-F5243-E670	S26361-F5243-L670
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optional TFM module and Flash Backup Unit (FBU), both components required

TFM module for 2GB Cache	NV-RAM & FBU control logic	1x	S26361-F5243-E200	S26361-F5243-L200
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FBU Option for PRAID EP4xx: Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length	1x	S26361-F5243-E155	S26361-F5243-L110
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as soon as available, use for high cache size, no NVMe support

internal NVMe, SAS, SATA RAID controller with 2nd Level cache 2GB, 4GB, 8GB

internal drive RAID / SAS controllers for E91 and SAS, SATA HDD or SSD drives

PRAID EP540i RAID Contr.	4GB Cache	RAID 0,1,1E,10,5,50,6,60	1x	S26361-F4042-E4	S26361-F4042-L504
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PRAID EP580i RAID Contr.	8GB Cache	RAID 0,1,1E,10,5,50,6,60	1x	S26361-F4042-E8	S26361-F4042-L508
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16 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, based on LSI SAS3516, supports up to 16 devices without expander or

16 ports 8Gb/s NVMe PCIe, supports up to 4 x4 NVMe devices without expander

includes Fastpath and SafeStore Advanced SW-Licence

requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3516

optional Flash Backup Unit (FBU), Transportable Flash module (TFM) is already included

FBU Option for PRAID EP5xx: 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
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Check: the FBU can / cannot be combined with Advanced Thermal design.
Check: how many FBU can be integrated per System

CacheCade + FastPath is supported
SafeStore + FastPath is supported
SafeStore + CacheCade is not supported

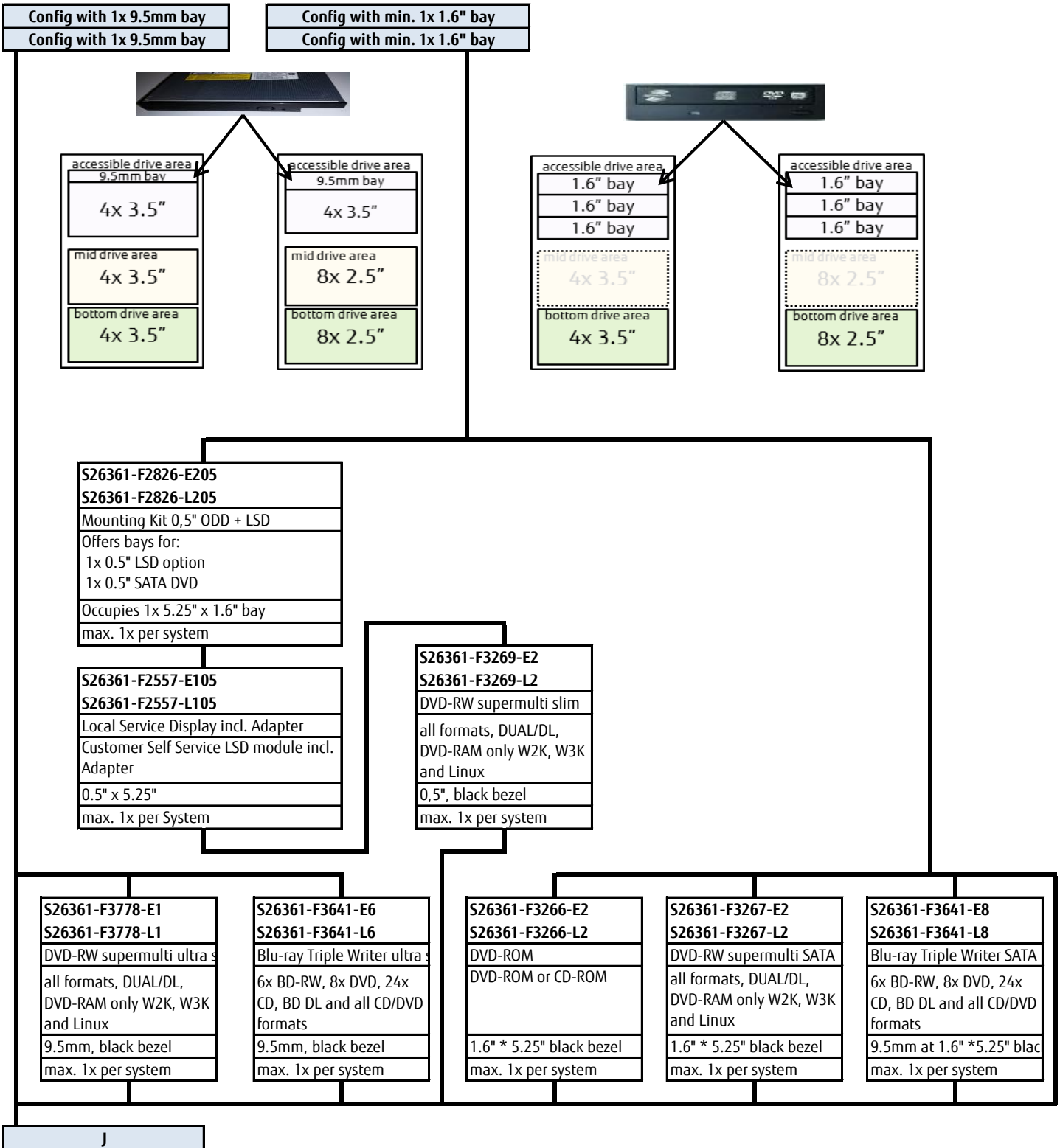
For Expander configurations PRAID EPxxxi are optimal for performance, PRAID CP400i is not released for expander configurations, max. 8 drives supported.

** SafeStore (SED) RAID controller require SED HDD or SSD devices

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Chapter 8 - ODD optical disk drives

With most configurations the TX1330 M3 offers 3 x 1.6" bay in the accessible drives area located at the top of the Tower Server (or at the right side of the Rack) for various ODD and or backup drives.
 Depending on the HDD drive configuration there may be some or all of these 1.6" bays already occupied - please find the number of available bays and the size listed as point 3) at each of the drive bundles (see chapter 6). All bundles with limitations are highlighted with 2 exclamation marks in the front (e.g. "!! 1x 9.5mm ...")



Chapter 9 - backup drives

With most configurations the TX1330 M3 offers 3 x 1.6" bay in the accessible drives area located at the top of the Tower Server (or at the right side of the Rack) for various ODD and or backup drives.
Depending on the HDD drive configuration there may be some or all of these 1.6" bays already occupied - please find the number of available bays and the size listed as point 3) at each of the drive bundles. All bundles with limitations are highlighted with 2 exclamation marks in the front (e.g. "!! 1x 9.5mm ...")

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Config with min. 1x free 1.6" bay

SAS HBA card for Internal LTO drives (for Base Unit -Vxxx, -Vyyy)				
8 ports 3, 6 & 12Gb/s SAS HBA Controller				
PSAS CP400i SAS Contr.	based on LSI SAS3008 / for LTO drives.	1x	S26361-F3842-E20	S26361-F3842-L502

LTO drives (Need to select one of following LTO drives together with SAS HBA)				
LTO drives are not including tape drives. Cleaning Cartridge and Cables are included				
LTO 5 tape drive (w/o tape)	1.5TB, 140MB/s, SAS 2.0, 5.25 inch/HalfHeight	1x	S26361-F3627-E1	S26361-F3627-L1
LTO 6 tape drive (w/o tape)	2.5TB, 160MB/s, SAS 2.0, 5.25 inch/HalfHeight	1x	S26361-F3787-E1	S26361-F3787-L1
LTO 7 tape drive (w/o tape)	6.0TB, 300MB/s, SAS 2.0, 5.25 inch/HalfHeight	1x	S26361-F5606-E1	S26361-F5606-E1

RDX drives (for Base Unit -Vxxx, -Vyyy)				
RDX drive is not including Cartridge.				
RDX Drive cage (w/o cartriges)	USB 3.0, 5.25 inch / Half Height	1x	S26361-F3750-E4	S26361-F3750-L4

RDX				
RDX Cartridge				
RDX Cartridge 500GB		-	-	S26361-F3857-L500
RDX Cartridge 1TB		-	-	S26361-F3857-L600
RDX Cartridge 2TB		-	-	S26361-F3857-L700
RDX Cartridge 3TB		-	-	S26361-F3857-L800

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Chapter 10 - storage drives

SAS drives and SATA drives can be mixed, but cannot be used in one logical RAID volume.
SAS drives require a dedicated SAS / RAID Controller
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.
512n & 512e HDDs can be mixed, but cannot be used in one logical RAID volume.
When using SSDs with VMware ESXi, select the SSDs that meet the endurance requirement described in KB2145210 below.
<https://kb.vmware.com/kb/2145210>
DWPD: Drive Writes Per Day over 5 years.
SED (-Self Encrypting Drives) require either a RAID controller with *SafeStore (SED) support or an HBA and in addition a software instance, supporting SED Key Management.
It is strongly recommended to order SafeStore (SED) RAID controller with SED HDD or SSD devices for SafeStore (SED) functionality.
HDD Classes:
Economic (ECO) SATA: Entry Class Drives.
Business-Critical (BC) -SATA=Nearline SATA Enterprise Drives / 7.2Krpm, SATA 6G.
Business-Critical (BC) -SAS=Nearline SATA 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) SAS and SATA SSD

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

Capacity	Formfactor	Interface	Endurance	DWPD	order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3.6	S26361-F5675-E240	S26361-F5675-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3.6	S26361-F5675-E480	S26361-F5675-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3	S26361-F5588-E960	S26361-F5588-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3	S26361-F5588-E192	S26361-F5588-L192

max. 24x - depending on base unit & configuration

SSD SATA 2.5" Mixed Use S4600 (SFF) Enterprise with hot plug/hot replace tray

Capacity	Formfactor	Interface	Endurance	DWPD	order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3.1	as soon as available S26361-F5694-E240	S26361-F5694-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3.3	as soon as available S26361-F5694-E480	S26361-F5694-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3.0	as soon as available S26361-F5694-E960	S26361-F5694-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3.0	as soon as available S26361-F5694-E192	S26361-F5694-L192

max. 24x - depending on base unit & configuration

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

Capacity	Formfactor	Interface	Endurance	DWPD	order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1	S26361-F5632-E240	S26361-F5632-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1	S26361-F5632-E480	S26361-F5632-L480
800GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1	S26361-F5632-E800	S26361-F5632-L800
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1	S26361-F5632-E960	S26361-F5632-L960
1.2TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1	S26361-F5632-E120	S26361-F5632-L120
1.6TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1	S26361-F5632-E160	S26361-F5632-L160

max. 24x - depending on base unit & configuration

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

Capacity	Formfactor	Interface	Endurance	DWPD	order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1.4	as soon as available S26361-F5701-E240	S26361-F5701-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0.9	as soon as available S26361-F5701-E480	S26361-F5701-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0.9	as soon as available S26361-F5701-E960	S26361-F5701-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0.9	as soon as available S26361-F5701-E192	S26361-F5701-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1.0	as soon as available S26361-F5701-E384	S26361-F5701-L384
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0.5	as soon as available S26361-F5701-E768	S26361-F5701-L768

max. 24x - depending on base unit & configuration

2.5" (SFF) Hard drives

HDD SAS 2.5" 15K (SFF) Enterprise Mission Critical with hot plug/hot replace tray

Capacity	RPM	Interface	Sector	order code E-part	order code L-part
300GB	15 000	SAS 12Gb/s	512n	S26361-F5531-E530	S26361-F5531-L530
450GB	15 000	SAS 12Gb/s	512n	S26361-F5531-E545	S26361-F5531-L545
600GB	15 000	SAS 12Gb/s	512n	S26361-F5531-E560	S26361-F5531-L560
900GB	15 000	SAS 12Gb/s	512n	S26361-F5531-E590	S26361-F5531-L590

max. 24x - depending on base unit & configuration

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	S26361-F5550-E130	S26361-F5550-L130
600GB	10 000	SAS 12Gb/s	512n	S26361-F5550-E160	S26361-F5550-L160
900GB	10 000	SAS 12Gb/s	512n	S26361-F5550-E190	S26361-F5550-L190
1.2TB	10 000	SAS 12Gb/s	512n	S26361-F5550-E112	S26361-F5550-L112
300GB	10 000	SAS 12Gb/s	512n	SED S26361-F5581-E130	S26361-F5581-L130
600GB	10 000	SAS 12Gb/s	512n	SED S26361-F5581-E160	S26361-F5581-L160
1.2TB	10 000	SAS 12Gb/s	512n	SED S26361-F5581-E112	S26361-F5581-L112

max. 24x - depending on base unit & configuration

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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	
600GB	10 000	SAS 12Gb/s	512e		S26361-F5543-E160	S26361-F5543-L160	
900GB	10 000	SAS 12Gb/s	512e		S26361-F5543-E190	S26361-F5543-L190	
1.2TB	10 000	SAS 12Gb/s	512e		S26361-F5543-E112	S26361-F5543-L112	
1.8TB	10 000	SAS 12Gb/s	512e		S26361-F5543-E118	S26361-F5543-L118	
2.4TB	10 000	SAS 12Gb/s	512e	as soon as available	S26361-F5543-E124	S26361-F5543-L124	
1.8TB	10 000	SAS 12Gb/s	512e	SED	S26361-F5582-E118	S26361-F5582-L118	
2.4TB	10 000	SAS 12Gb/s	512e	SED as soon as available	S26361-F5582-E124	S26361-F5582-L124	

max. 24x - depending on base unit & configuration

HDD SAS 2.5" 7.2K 512e (SFF) Enterprise Business Critical with hot plug/hot replace tray							
Capacity	RPM	Interface	Sector		order code E-part	order code L-part	
1TB	7 200	SAS 12Gb/s	512e		S26361-F5573-E100	S26361-F5573-L100	
2TB	7 200	SAS 12Gb/s	512e		S26361-F5573-E200	S26361-F5573-L200	

max. 24x - depending on base unit & configuration

HDD SATA 2.5" 7.2K 512n (SFF) Enterprise Business Critical with hot plug/hot replace tray							
Capacity	RPM	Interface	Sector		order code E-part	order code L-part	
1TB	7 200	SATA 6Gb/s	512n		S26361-F3956-E100	S26361-F3956-L100	
2TB	7 200	SATA 6Gb/s	512n		S26361-F3956-E200	S26361-F3956-L200	

max. 24x - depending on base unit & configuration

HDD SATA 2.5" 7.2K 512e (SFF) Enterprise Business Critical with 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-F3907-E100	S26361-F3907-L100	
2TB	7 200	SATA 6Gb/s	512e		S26361-F3907-E200	S26361-F3907-L200	

max. 24x - depending on base unit & configuration

3.5" (LFF) SATA SSD

SSD SATA 3.5" Mixed Use (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3.6		S26361-F5673-E240	S26361-F5673-L240
480GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3.6		S26361-F5673-E480	S26361-F5673-L480
960GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5589-E960	S26361-F5589-L960
1.92TB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5589-E192	S26361-F5589-L192

max. 12x - depending on base unit & configuration

SSD SATA 3.5" Mixed Use S4600 (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3.1	as soon as available	S26361-F5692-E240	S26361-F5692-L240
480GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3.3	as soon as available	S26361-F5692-E480	S26361-F5692-L480
960GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3.0	as soon as available	S26361-F5692-E960	S26361-F5692-L960
1.92TB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3.0	as soon as available	S26361-F5692-E192	S26361-F5692-L192

max. 12x - depending on base unit & configuration

SSD SATA 3.5" Read Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1		S26361-F5630-E240	S26361-F5630-L240
480GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1		S26361-F5630-E480	S26361-F5630-L480
800GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1		S26361-F5630-E800	S26361-F5630-L800
960GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1		S26361-F5630-E960	S26361-F5630-L960
1.2TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1		S26361-F5630-E120	S26361-F5630-L120
1.6TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1		S26361-F5630-E160	S26361-F5630-L160

max. 12x - depending on base unit & configuration

SSD SATA 3.5" Read Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1.4	as soon as available	S26361-F5700-E240	S26361-F5700-L240
480GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	0.9	as soon as available	S26361-F5700-E480	S26361-F5700-L480
960GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	0.9	as soon as available	S26361-F5700-E960	S26361-F5700-L960
1.92TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	0.9	as soon as available	S26361-F5700-E192	S26361-F5700-L192
3.84TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1.0	as soon as available	S26361-F5700-E384	S26361-F5700-L384
7.68TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	0.5	as soon as available	S26361-F5700-E768	S26361-F5700-L768

max. 12x - depending on base unit & configuration

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3.5" (LFF) Hard drives

HDD SAS 3.5" 15K (LFF) 2.5" HDD Enterprise Mission Critical with 3.5" hot plug/hot replace tray

Capacity	RPM	Interface	Sector		order code E-part	order code L-part
300GB	15 000	SAS 12Gb/s	512n		S26361-F5532-E530	S26361-F5532-L530
450GB	15 000	SAS 12Gb/s	512n		S26361-F5532-E545	S26361-F5532-L545
600GB	15 000	SAS 12Gb/s	512n		S26361-F5532-E560	S26361-F5532-L560
900GB	15 000	SAS 12Gb/s	512n		S26361-F5532-E590	S26361-F5532-L590

max. 12x - depending on base unit & configuration

HDD SAS 3.5" 10K 512n (LFF) 2.5" HDD Enterprise Mission Critical with 3.5" hot plug/hot replace tray

Capacity	RPM	Interface	Sector		order code E-part	order code L-part
300GB	10 000	SAS 12Gb/s	512n		S26361-F5568-E130	S26361-F5568-L130
600GB	10 000	SAS 12Gb/s	512n		S26361-F5568-E160	S26361-F5568-L160
1.2TB	10 000	SAS 12Gb/s	512n		S26361-F5568-E112	S26361-F5568-L112

max. 12x - depending on base unit & configuration

HDD SAS 3.5" 10K 512e (LFF) 2.5" HDD Enterprise Mission Critical with 3.5" 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-F5569-E118	S26361-F5569-L118
2.4TB	10 000	SAS 12Gb/s	512e	as soon as available	S26361-F5569-E124	S26361-F5569-L124

max. 12x - depending on base unit & configuration

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

Capacity	RPM	Interface	Sector		order code E-part	order code L-part
2TB	7 200	SAS 12Gb/s	512e		S26361-F5635-E200	S26361-F5635-L200
4TB	7 200	SAS 12Gb/s	512e		S26361-F5635-E400	S26361-F5635-L400
6TB	7 200	SAS 12Gb/s	512e		S26361-F5635-E600	S26361-F5635-L600
8TB	7 200	SAS 12Gb/s	512e		S26361-F5571-E800	S26361-F5571-L800
10TB	7 200	SAS 12Gb/s	512e		S26361-F5571-E100	S26361-F5571-L100
12TB	7 200	SAS 12Gb/s	512e	as soon as available	S26361-F5571-E120	S26361-F5571-L120
6TB	7 200	SAS 12Gb/s	512e	SED	S26361-F5584-E600	S26361-F5584-L600
10TB	7 200	SAS 12Gb/s	512e	SED	S26361-F5624-E100	S26361-F5624-L100
12TB	7 200	SAS 12Gb/s	512e	SED as soon as available	S26361-F5624-E120	S26361-F5624-L120

max. 12x - depending on base unit & configuration

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

Capacity	RPM	Interface	Sector		order code E-part	order code L-part
1TB	7 200	SATA 6Gb/s	512n		S26361-F5636-E100	S26361-F5636-L100
2TB	7 200	SATA 6Gb/s	512n		S26361-F5636-E200	S26361-F5636-L200
4TB	7 200	SATA 6Gb/s	512n		S26361-F5636-E400	S26361-F5636-L400

max. 12x - depending on base unit & configuration

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

Capacity	RPM	Interface	Sector		order code E-part	order code L-part
6TB	7 200	SATA 6Gb/s	512e		S26361-F5638-E600	S26361-F5638-L600
8TB	7 200	SATA 6Gb/s	512e		S26361-F3904-E800	S26361-F3904-L800
10TB	7 200	SATA 6Gb/s	512e		S26361-F3904-E100	S26361-F3904-L100
12TB	7 200	SATA 6Gb/s	512e	as soon as available	S26361-F3904-E120	S26361-F3904-L120

max. 12x - depending on base unit & configuration

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

Capacity	RPM	Interface	Sector		order code E-part	order code L-part
500GB	7 200	SATA 6Gb/s	512e		S26361-F5640-E500	S26361-F5640-L500
1TB	7 200	SATA 6Gb/s	512e		S26361-F3951-E100	S26361-F3951-L100

max. 12x - depending on base unit & configuration

SATA DOM

SATA DOM Non volatile storage drive for booting, non hot-plug

Capacity	Formfactor	Interface	DWPD	Category		order code E-part	order code L-part
64GB	DOM	SATA 6Gb/s	0.14	Boot	vertical	S26361-F5618-E64	S26361-F5618-L64
128GB	DOM	SATA 6Gb/s	0.13	Boot	vertical	S26361-F5618-E128	S26361-F5618-L128

SATA DOM is designed for use as a boot drive with the Endurance Spec. above.

max. 2x per Server; connector located on Motherboard (please see folder "description"). Vmware is not supported.

M

Chapter 11 - LAN Components

M

Networking Controller

in total max. 2x Controller per System (mix possible)

1 Gbit Controllers

in total max. 2x 1Gbit Controller per System

S26361-F4610-E2
S26361-F4610-E2
S26361-F4610-L502
PLAN CP 2x1Gbit Cu Intel I350-T2
Dual port Gigabit Ethernet server adapter Intel I350-T2
Based on Intel® Powerville
PCIe Gen2 x4
max. 2x per system

S26361-F4610-E4
S26361-F4610-E4
S26361-F4610-L504
PLAN CP 4x1Gbit Cu Intel I350-T4
Quad port Gigabit Ethernet server adapter Intel I350-T4
Based on Intel® Powerville
PCIe Gen2 x4
max. 2x per system

S26361-F3852-E1
S26361-F3852-E1
S26361-F3852-L501
PLAN AP 1x1Gbit Cu Intel I210-T1
Single port Gigabit Ethernet server adapter Intel I210-T1
Based on Intel® Springville
PCIe Gen2 x1
max. 2x per system

10Gb Ethernet controller with RJ45 interface (10GBASE-T)

PLAN EP X550-T2 2x10GBASE-T	1x	2 port NIC, Intel	S26361-F3948-E2	S26361-F3948-L502
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10Gbit Controllers

in total max. 1x 10Gbit Controller per System

S26361-F5536-E2
S26361-F5536-L502
PLAN EP OCe14102 2x10Gbit/s
2 Kanal 10Gbit/s LAN Controller based on Emulex Skyhawk offers 2x 10Gbit/s SFP+ connectors
PCIe Gen3 x8
max. 1x per system

S26361-F3640-E2
S26361-F3640-L502
PLAN EP X710-DA2 2x10Gb SFP+
Dual port 10 Gigabit Ethernet server adapter Intel X710-DA2
Based on Intel® Fortville
PCIe Gen3 x8
max. 1x per system

S26361-F3629-E2
S26361-F3629-L502
Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+
Ethernet Server Adapter Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+
PCIe Gen2 x8
max. 1x per system

S26361-F3752-E2
S26361-F3752-L502
PLAN EP X540-T2 2x10Gbit/s
Dual port 10 Gigabit Ethernet server adapter Intel X540-T2
Based on Intel® Twinville
PCIe Gen2 x8
max. 1x per system

S26361-F5250-E110
S26361-F5250-L110
PCNA SFP+ MMF Modul OCe14102
MMF / SR SFP+ module for use in FCoE Ctrl OCe14102
LC-SR-connector
max. 1x per system

S26361-F3986-E3
S26361-F3986-L3
SFP+ Module MMF 10GbE LC
MMF / SR SFP+ module for use in Fujitsu Ctrl
LC-SR-connector
max. 1x per system

S26361-F3986-E4
S26361-F3986-L4
SFP+ Module SMF 10GbE LC
SMF / LR SFP+ module for use in Fujitsu Ctrl
LC-SR-connector
max. 1x per system

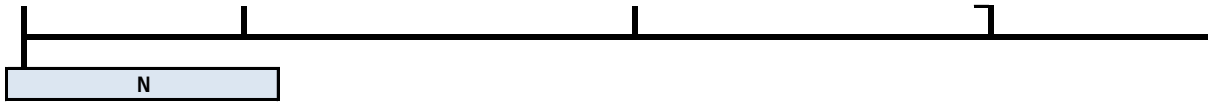
V:TWX Con.-PY for all Twinax (FTS, BR, CI)
max. 2x per controller

S26361-F3989-E600 *)	
S26361-F3989-L102	2m
S26361-F3989-L105	5m
S26361-F3989-L110	10m
SFP+ active twinax cable Fujitsu	
customized twinax cable for full rack setup ex factory.	
Fujitsu branded cable	
max. 1x per system	

S26361-F3873-E500 *)	
S26361-F3873-L501	1m
S26361-F3873-L503	3m
S26361-F3873-L505	5m
SFP+ active twinax cable Brocade	
customized twinax cable for full rack setup ex factory.	
Brocade branded cable	
max. 1x per system	

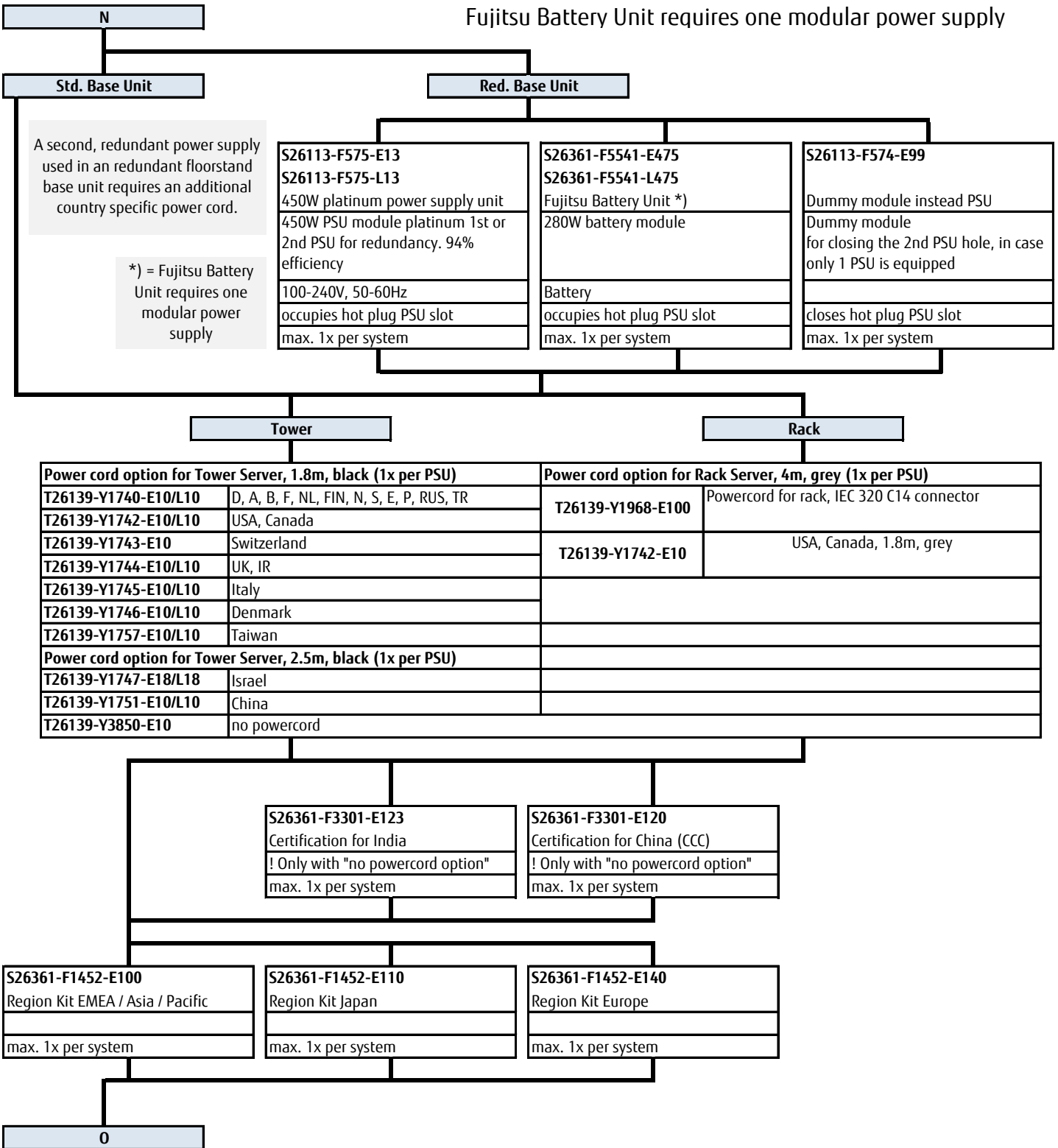
S26361-F4571-E500 *)	
S26361-F4571-L101	1m
S26361-F4571-L103	3m
S26361-F4571-L105	5m
S26361-F4571-L107	7m
S26361-F4571-L110	10m
SFP+ twinax cable Cisco	
customized twinax cable for full rack setup ex factory.	
Cisco branded cable	
max. 1x per system	

*) = cable lenght will be optimized depending on the rack / server version



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

Fujitsu Battery Unit requires one modular power supply



Chapter 15 - Accessories

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

USB Mouse:

Mouse M520 Black	S26381-K467-E100	S26381-K467-L100
Mouse M520 Grey	S26381-K467-E101	S26381-K467-L101
Mouse M530 Black	n/a	S26381-K468-L100
Mouse M530 Grey	n/a	S26381-K468-L101



USB sticks (FOR PROJECTS ONLY) - no standard release

ADATA USB 3.0 Flash Stick UE700 – 32GB		S26391-F6048-L332
ADATA USB 3.0 Flash Stick UE700 – 64GB		S26391-F6048-L364



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-E102
S26381-K341-E104	Czech/Slovak	S26381-K521-E104
S26381-K341-E110	US 104 keys (US keyboard + US layout)	S26381-K521-E110
S26381-K341-E120	Germany	S26381-K521-E120
S26381-K341-E122	Germany / Int	S26381-K521-E122
S26381-K341-E140	France	S26381-K521-E140
S26381-K341-E154	Sweden / Finland	S26381-K521-E154
S26381-K341-E165	United Kingdom	S26381-K521-E165
S26381-K341-E170	Switzerland	S26381-K521-E170
S26381-K341-E180	Spain	S26381-K521-E180
S26381-K341-E185	Italy	S26381-K521-E185



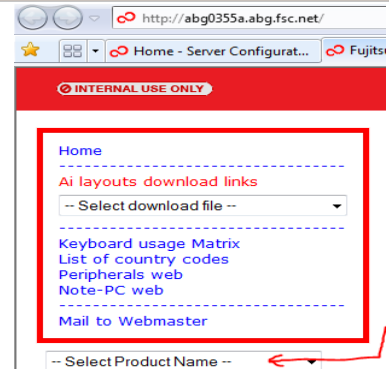
USB Optical Disc Drive

External Ultra Slim Portable DVD Writer (Hitachi-LG)	S26341-F103-L142
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Please find the layout of all Fujitsu keyboards here:
<http://abg0355a.abg.fsc.net/>

P



"Desktop"

Chapter 16 - others

P

S26361-F1790-E243
S26361-F1790-L244
iRMC S4 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.

S26361-F1790-E310
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)
BDL:ELCM-PACK
options contains:
- 16GB SD card
- Paper with TAN for Licensekey

S26361-F3301-E241
E-Star Fam1
Limits Configuration in accordance with Energy Star requirements if needed.
this setting can be activated ex factory only
max. 1x per system

Today there are no limitations for E-Star Fam1 certification.

S26361-F3776-E101
Cool-safe [®] Advanced Thermal design
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

The ATD feature cannot operate with LTO drives. They will be excluded from configurations with ATD

S26361-F5266-E1
S26361-F5266-L1
PCIe to PCI32 converter
for installing legacy PCI controller cards
max. 1x per system

TPM 2.0 Module supported with Windows Server 2012 and successor. Currently not confirmed for SI ES12 SP2 /

and successor. Currently not certified for SLES12 SP2 / RHEL 7.2 / ESXi 2016 / XenServer 7.

S26361-F3552-E6
S26361-F3552-L6
TPM Module
TPM module
max. 1x per system

S26361-F3552-E10
S26361-F3552-L10
TPM 2.0 Module
TPM 2.0 module
max. 1x per system

z
Silent TX configuration
This is possible in an office environment. Components which lead to a general increase of fan speed are excluded from the configuration.
this setting can be activated ex factory only
max. 1x per system

You would like to add some customer specific solutions?

--> Please contact our made4you team (<mailto:customer.projects@ts.fujitsu.com>) for more customer specific solutions. E.g. Lifecycle Management, Customer specific Logos, component or BIOS fixes,

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Your Server is ready

Date of change	Folder / order code / description	What has been changed / comment
15.01.2018	X550 / S26361-F3948-E2	Max = 6 --> Max = 1
30.11.2017	CPU / S26361-F4029-E105	Xeon E3-1205v6 removed
26.07.2016		first draft
13.09.2016		CPU & Memory portfolio update
29.09.2016	S26361-F3909-E/L614/615/616	added order codes
11.10.2016		CPU power corrected
18.10.2016		PSAS CP400i is now available
21.10.2016	S26361-F3752	old X540 LAN deleted
27.10.2016	S26361-F3629-E2/S26361-F3629-L502	old LAN deleted
28.10.2016	HD_SSD	updated
29.10.2016	S26341-F103-L140	Ext ODD updated
17.11.2016		order codes added for CPUs
01.12.2016	S26361-F4029-E104/E107	added
05.12.2016	HD_SSD / S26361-F5630/F5632-*	added
14.12.2016	HD_SSD / S26361-F5635/5636/5638/5640-*	added
14.12.2016	T26139-Y1747-E18/L18	added power cord for Israel
26.12.2016	HD_SSD / SED	added
06.01.2017	HD_SSD / S26361-F5592/F5593-*	removed
06.01.2017	HD_SSD / S26361-F5588/F5589-E120/L120	removed
18.01.2017	others	TPM order code for upgrade component was wrong
31.01.2017	USB devices	updated
02.02.2017	S26361-F1790-E310	embedded Lifecycle Management (eLCM) added
03.02.2017	new RAID folder: PRAID EP5xxi, EP420 for SED	added
07.02.2017	HD_SSD / SED / S26361-F5632-L240	note for SED updated / order code corrected
08.02.2017	S26361-F5243-E4	comment added
16.02.2017	S26361-F3641-E2	Blu-ray Triple Writer slim (12,7mm) removed (EoL)
23.02.2017	S26361-F3752-E2/S26361-F3752-L502	added
09.03.2017	S26361-F3301-E241	E-Star Fam1 certification added
15.03.2017	S26361-F3948-E2/L502	added
27.03.2017	HD_SSD / Note / S26361-F5583-*/ F5618-*	updated / removed / Endurance updated
28.03.2017	S26361-F3909-E615/L615	corrected from dual rank to single rank
28.03.2017	PRAID EP540i, 580i	CacheCade deleted
29.03.2017	S26361-F5243-E4/L4	comment added
27.04.2017	USB Devices	Added new ext. ODD
18.05.2017	RAID	Info-text added
06.06.2017	HD_SSD / Note	updated
13.06.2017	RAID	descriptions of FBU options changed
12.07.2017	RAID	Info-text added
24.07.2017	HD_SSD / F5673/F5675-*/ F5531/F5532-E590	added
05.09.2017	HD_SSD / Note for 2.5" 7.2K/15K HDD	removed
25.10.2017	RAID	note in Z57S51 changed
23.11.2017	CPU / S26361-F4029-E105	Xeon E3-1205v6 added
15.01.2018	HD_SSD / F5588/F5589-E240/E480	removed
15.01.2018	HD_SSD / F5694/F5692-*/ F5543/F5582/F5569-E1 / F5571/F5624/F3904-E120	added
15.01.2018	HD_SSD / exclusions for 8/10TB HDDs and PSAS CP	removed
18.01.2018	HD_SSD / exclusions for 8/10TB HDDs and PRAID	added
02.03.2018	HD_SSD / S26361-F5701/F5700-*	added
11.07.2018	GFX	Update Graphic card information.
18.09.2018	GFX	Modify Graphic Card - Options in "GFX" tab. - add "DP- DVI/D" adapter
26.10.2018	HD_SSD / exclusions for 8/10TB HDDs and PRAID	removed
22.11.2018	Others / S26361-F3776-E10	Silent TX configuration added