

PRIMERGY RX2540 M5
2U 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 RX2540 M5
2		describes rack mount kits and services
3	CPU	Order code and Infos of Intel® Xeon® Processor Scalable Family CPUs
4	RAM	DDR4 System memory (RAM) and memory modes
5	GFX_FPGA	FPGA-cards, Graphics-, Grid-cards, GPU and Xeon Co processors and other graphics options
6	HD_cage	Drive cage and PCIe riser options
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_FC_IB	LAN Components
12		Fibre Channel Controller
13		Infiniband Controller
14	PSU	Power supply units, power cables, country specific opt.
15	others	System Management, ATD, RS232 port, TPM module
16	USB_devices	Keyboards, Mice, USB devices

Instructions

This document contains basic product and configuration information supporting 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.htm

(internet)

/partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/Pages/default

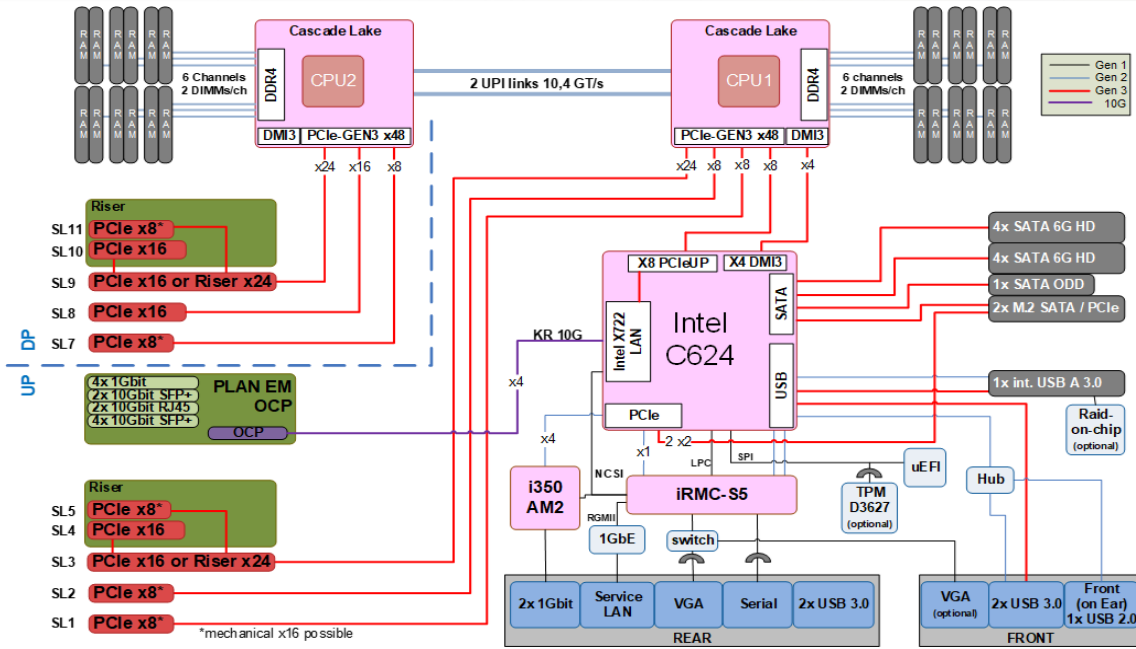
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Fujitsu is providing the content of this document with very high accuracy. In case you identify a mistake, we would kindly encourage you to inform us. We kindly ask for understanding, that errors still may occur and that Fujitsu may change this document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

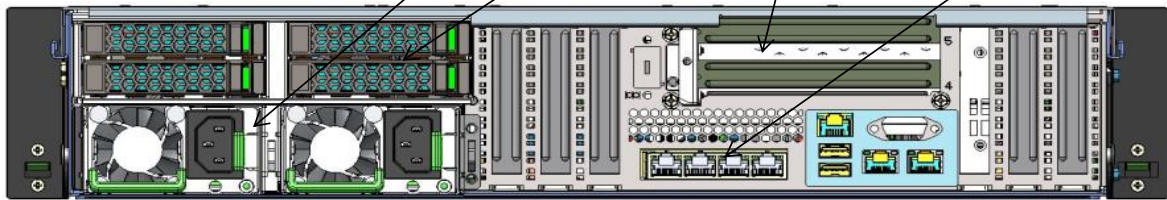
Abbreviations

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- <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

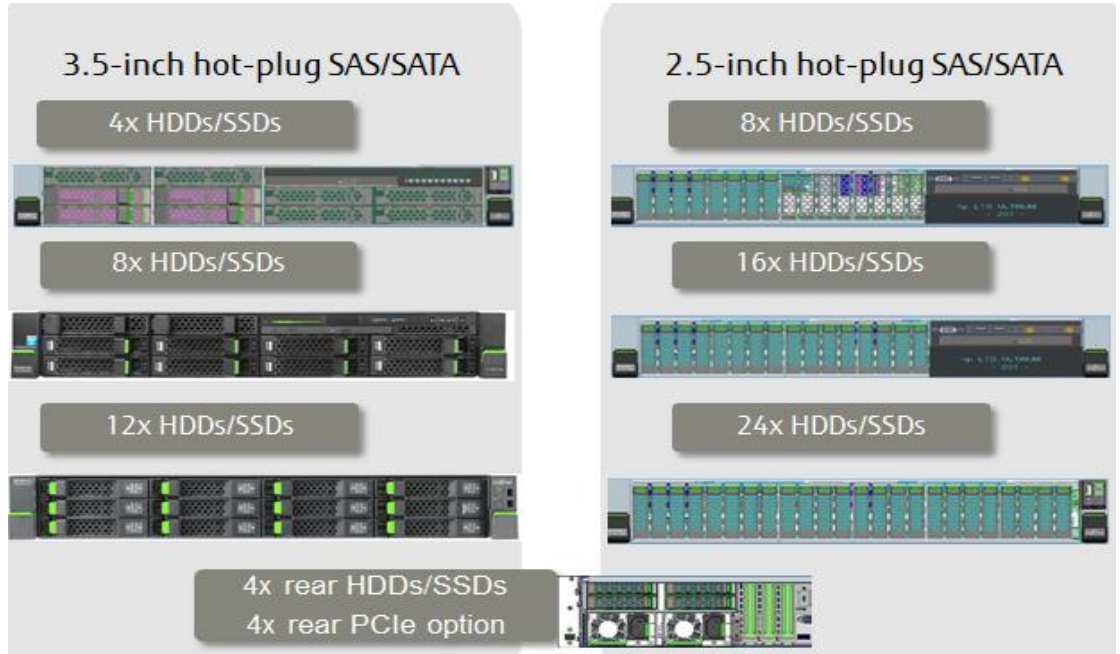
PRIMERGY RX2540 M5 schematics of the System board



PRIMERGY RX2540 M5 rear view with 2x PSU, 4x rear SFF or PCIe riser option and dynamic LoM



PRIMERGY RX2540 M5 front view with drives and operation panel



recommended components for RX2540 M5	#
Independant Mode installation	1x
PLAN EM 4x1Gb T interface card	1x
Region kit APAC/EMEA/India	1x
iRMC advanced pack	1x
Modular PSU 450W platinum hot plug	2x

Chapter 1 - base unit

Start

Power supply units & cooling
 The PRIMERGY RX2540 M5 offers bays for 1x or 2x direct attached hot plug (opt. redundant) power supply units of 450W, 800W and 1200W with up to 96% efficiency. The PRIMERGY RX2540 M5 comes equipped with ultimate performance processor heat pipes and 6 high performance single hot plug fans (N+1 redundant).

Server Management
 iRMC S5 (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 easily highlight 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 D3384-B "made in Germany" based on Chipset Intel® C624 (Lewisburg 4)
 > 2 serial KTI links
 > Up to two Intel® Xeon® Processor Scalable Family CPUs (Cascade Lake, AEP)
Slots: per default, 6 PCIe slots are on board - please see schematics in "Description"
 > 3 PCIe slots low profile, 198 mm length @ first CPU:
 Slot 1 PCIe-Gen3 x8 (notched to install x16 cards)
 Slot 2 PCIe-Gen3 x8 - preferred for first modular RAID/SAS controller
 Slot 3 PCIe-Gen3 x16
 > 3 PCIe slot low profile, 198 mm length @ second CPU:
 Slot 7 PCIe-Gen3 x8 (notched to install x16 cards)
 Slot 8 PCIe-Gen3 x16
 Slot 9 PCIe-Gen3 x16
 Maximum 8 PCI slots are possible with PCIe riser card options (4x full height, please see chapter 5)
 Onboard RAID 0/1 6Gbit/s available for up to 8x SATA drives
 System RAM up to DDR4-2666 or 2933 MHz
 3.072 GB memory with 24x DDR4 LRDIMMs (12 per CPU) - Cascade Lake plus AEP support!
 Memory speed depends on CPU and configuration, please see folder "CPU" and "RAM" for further details.

LAN
 LAN on Motherboard with 2x1Gbit/s (RJ45) plus the high performance Chip Intel LBG4 with flexible LAN connections - options for 4x1Gbit/s (RJ45), 2x10Gbit/s (RJ45), 2x10Gbit/s (SFP+) and 4x10Gbit/s (SFP+) available.

Software
 * ServerView Suite Software option

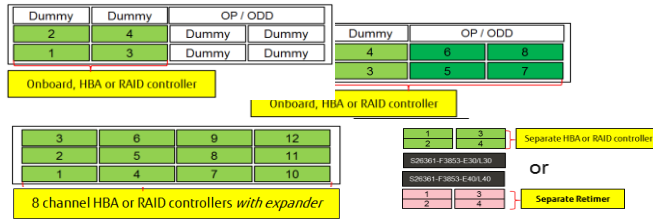
Connectivity

<p><u>Interfaces at rear side</u></p> <ul style="list-style-type: none"> - 1 service LAN RJ45 (1 Gbit) - 2x RJ45 with integrated LEDs for fixed onboard 1Gb LAN - 1x VGA (15 pins) - 2x USB 3.0 UHCI - 1x serial 16550 interface - Slot for interface cards from INTEL (OCP FF) /w up to 4 LAN ports driven by Lewisburg chip 	<p><u>Interfaces at front</u></p> <p>for base units with less HDD: 2x USB 3.0 and front VGA option for base units with max HDD: 1x USB2.0 (on "ear"), no front VGA option</p> <p><u>Interfaces internal</u></p> <ul style="list-style-type: none"> - 1x USB 3.0 - 2x M.2 - 2x 4" SATA 6G
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Rack version for 19" racks with 2 height units
 No PSU included in base unit
 Basic unit is without CPU and Memory
 For an orderable basic unit first CPU and one memory = first memory has to be selected

Basic units LFF with
 4x 3.5" HDD bays S26361-K1655-V104
 Option upgrade 4x LFF S26361-F2495-E108
 No more CPU TDP limitation with ATD40/45 option,
 No 4x rear SFF option possible!

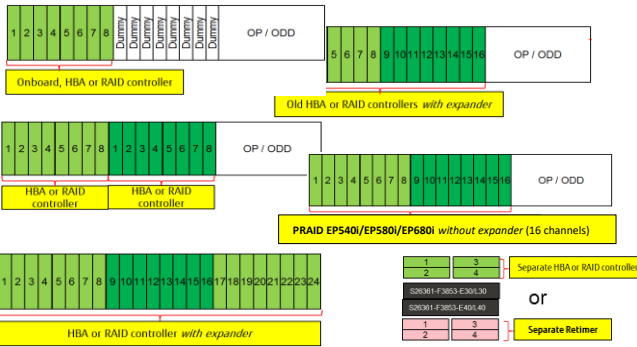
12x 3.5" HDD bays S26361-K1655-V112
Including SAS expander for 8 channel controller
 No limitation for CPU TDP, **no ATD45 option**
 4x rear SFF option **without CPU limitation @sep. ctrl.**
 No ATD40/45 with 4x rear SFF option possible!
 Mix of PRAID EP4xxi or PRAID CP4xxi with EP5xxi is not allowed



Basic units SFF with
 8x 2.5" HDD bays S26361-K1655-V408
 Option upgrade 8x SFF S26361-F2495-E416
 No more CPU TDP limitation with ATD40/45 option,
 No 4x rear SFF option possible!

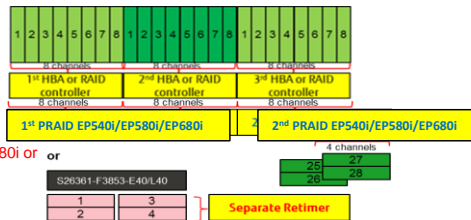
16x 2.5" HDD bays S26361-K1655-V216
Without SAS expander for configuration with
 - 2x HBA or RAID 8 channel controllers (mirrored)
 - 16 channel PRAID EP540i/580i/EP680i
 No more CPU TDP limitation with ATD40/45 option,
 No 4x rear SFF option possible!
 Mix of PRAID EP4xxi or PRAID CP4xxi with EP5xxi is not allowed

24x 2.5" HDD bays S26361-K1655-V424
 No CPU TDP limitation even with ATD40/45 option,
 4x rear SFF option **without CPU limitation @sep. ctrl.**
 No ATD40/45 with 4x rear SFF option possible!
 Mix of PRAID EP4xxi or PRAID CP4xxi with EP5xxi is not allowed

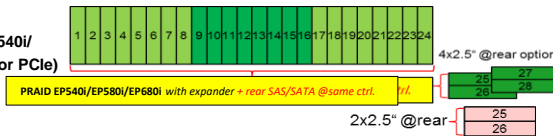


Beneath this five standard basic units there are use case specific basic units available. These may be pre-configured with special components according workload and optimized for a specific use case. There might be different configuration restrictions compared to the seven standard basic units, too...

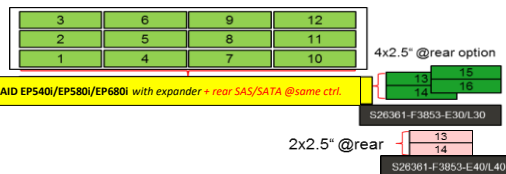
3x 8x 2.5" HDD bays S26361-K1655-V238
VSAN ready node without SAS expander with
 - 3x HBA or RAID 8 channel controllers (Triple)
 or 2x 16 channel PRAID EP540i/580i/EP680i (for non-vSAN)
 No CPU TDP limitation even with ATD40/45 option,
 4x rear SFF option **without CPU limitation**
 No ATD40/45 with 4x rear SAS/SATA option @same 2nd EP540i/580i/EP680i or
 No ATD40/45 with 4x rear PCIe SSD option @separate retimer



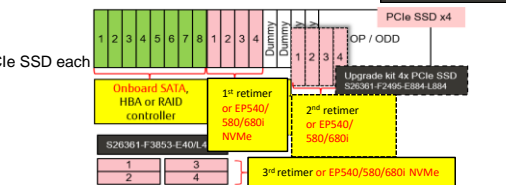
Basic units SFF optimized for Internal Storage
 28x 2.5" big single storage S26361-K1655-V428
 Configuration includes SAS expander, needs 1x PRAID EP540i/EP580i/EP680i and has option for 4x 2.5" rear option (SAS or PCIe)
 No CPU TDP limitation even with ATD40/45 option,
 4x rear SFF option **without CPU limitation @same ctrl.**
 No ATD40/45 with 2x/4x rear SFF options possible!



Basic units LFF optimized for Internal Storage
 12x 3.5" + 4x 2.5" big single storage S26361-K1655-V116
 Configuration includes SAS expander, needs 1x PRAID EP540i/EP580i/EP680i and has option for 4x 2.5" rear option (SAS or PCIe)
 No CPU TDP limitation even with ATD40 option, no ATD45!
 4x rear SFF option **without CPU limitation @same ctrl.**
 No ATD40/45 with 2x/4x rear SFF options possible!

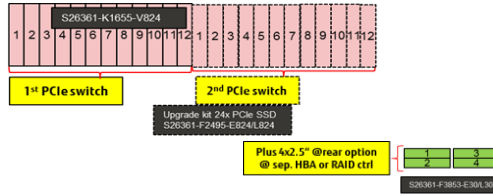


Basic unit SFF optimized for Flash Applications (PCIe SSD)
 8x 2.5" + 4x PCIe SSD basic hybrid flash S26361-K1655-V884
 Config requires 1x Retimer or PRAID EP540i/EP580i/EP680i NVMe for 4x PCIe SSD each
 No mix of Retimers and PRAID EP540i/EP580i/EP680i NVMe allowed!
 4x to 8x PCIe SSD upgrade option S26361-F2495-E884 / L884
 No CPU TDP limitation even with ATD40/45 option,
 4x rear SFF option **without CPU limitation @separate ctrl.**
 No ATD40/45 with 4x rear PCIe SSD option
 Mix of PRAID EP4xxi or PRAID CP4xxi with EP5xxi is not allowed



PRAID EP540i/EP580i/EP680i: max. 3x NVMe,
 + 1 add. HBA or RAID ctrl. for SAS/SATA

Basic unit SFF optimized for All Flash Applications (PCIe SSD)	
24x PCIe SSD AFA	S26361-K1655-V824
Configuration includes 1st PCIe switch for 12x PCIe SSD	
12x to 24x PCIe SSD upgrade option	S26361-F2495-E824 / L824
No CPU TDP limitation even with ATD40/45 option,	
4x rear SFF option without CPU limitation @separate HBA or RAID ctrl.	
No ATD40/45 with 4x rear SAS/SATA SFF option possible!	



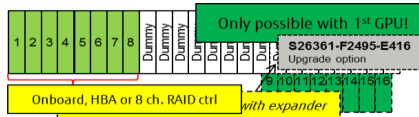
Basic units Liquid Cooled for Performance Storage applications	
28x 2.5" LC big performance storage	S26361-K1655-V7xx
Configuration includes SAS exp., LC CPU and memory, needs 1x EP5x0i and has option for 4x 2.5" rear option (SAS or PCIe)	
No Limitation: CPU 205W with ambient temperature max 45°C!	
Planned for special release only!	

tbd

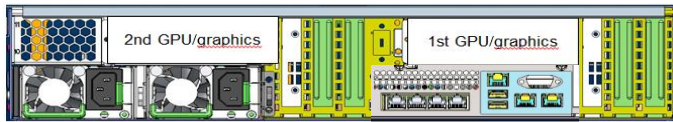
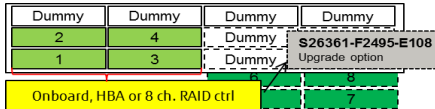
12x 3.5" + 4x 2.5" LC big performance storage	S26361-K1655-V7xx
Configuration includes 1x PRAID EP5x0i, SAS exp., LC CPU and memory and option for 4x 2.5" rear option (SAS or PCIe)	
No Limitation: CPU 205W with ambient temperature max 45°C!	
Planned for special release only!	

tbd

Basic units for best graphics applications	
8x 2.5" best graphics	S26361-K1655-V308
Configuration includes kit for first GPU/graphics card!	
8x 2.5" upgrade option limits to 1x GPU only!	S26361-F2495-E416
Limitation: CPU max 165W with ambient temperature max 35°C!	



4x 3.5" best graphics	S26361-K1655-V304
Configuration includes kit for first GPU/graphics card!	
4x 3.5" upgrade option has no limitation	S26361-F2495-E108
Limitation: CPU max 165W with ambient temperature max 35°C!	



PRIMECENTER Rack

Chapter 2 - Rack architecture

PRIMECENTER Rack

Rack Architecture		Remark			
No RMK	1x	Only with loose server order	S26361-F2735-E111	n/a	no mounting in rack
Rack Mount Kit F1 CMA QRL LV	1x	RMK for server w/max. 2U, w/CMAAdapter	S26361-F2735-E175	S26361-F2735-L175	precondition for CMArm
Bracket 1U for asymmetrical rack	1x	Mounting or enclose of RMK in asym.rack incl.1U bracket	S26361-F4530-E11	n/a	for asymmetrical rack
Mounting of RMK in symmetrical rack	1x	Mounting or enclose of RMK in symmetrical racks w/o support bracket	S26361-F4530-E10	n/a	for symmetrical rack
Rack Mount Kit F1 LV	1x	For server max. 2 height units (U) or max. 35 kg, w/o CMAAdapter	S26361-F2735-E176n/a	S26361-F2735-L176	best choice for 3rd party racks
Rack Cable Arm 2U	1x	Cable mgmt. arm for 2U or higher	S26361-F2735-E82	S26361-F2735-L82	RMK with CMAAdapter needed
Cable mgmt. lateral for asym.racks	1x	For server/storage subsyst.2U or higher	S26361-F2735-E71	S26361-F2735-L7	occupies 1U above RMK
Cable arm 2U PCR and 3rd partyracks	1x	To be mounted at right or left rack pillar behind servers higher oder equal 2U	n/a	S26361-F2201-L20	mounted above RMK -F2735-L176
Rack installation ex works	1x	Rack will be delivered completely premounted and tested ex factory	SNP:SY-F1647E301-P	n/a	to be ordered 1x per installed rack
Adapter angle	1x	For asymm. rack, 1U, up to 15kg	n/a	S26361-F2735-L10	needed for mounting of RMK in asym. rack

A

Chapter 3 - CPU

B

There are 2 processor sockets available. Please configure 1 or 2 Processors.
 >> All processors have to be the same type.
 >> With **one** processor OCP LOM, iRMC, 3x PCIe card slots (1x internal and 2x lp x16) and 12x DIMM slots are available
 >> With **two** processors all 24x DIMM slots, 4x PCIe card slots (1x internal and 3x lp x16) are available.
 >> To configure 2nd CPU an additional cooler kit is required.
 >> Empty CPU slot have to be filled up with a CPU Dummy!
 * HT = Hyper Threading

*not allowed for Energy Star 3.0

Xeon Bronze 3200 - Basic (Shelf 1)		
64-bit Intel Xeon processor supporting DDR4 @ 2133MHz & UPI Bus @ 9.6 GT/s		
Xeon Bronze 3204 6C nHT 1.9 GHz 85W	S26361-F4082-E104	S26361-F4082-L104
Xeon Bronze 3206R 8C nHT 1.9GHz 85W	S26361-F4082-E806	S26361-F4082-L806
Xeon Silver 4200 - Standard (Shelf 2)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2400 MHz & UPI Bus 9.6 GT/s		
Xeon Silver 4208 8C 2.1GHz 85W	S26361-F4082-E108	S26361-F4082-L108
Xeon Silver 4210 10C 2.2GHz 85W	S26361-F4082-E110	S26361-F4082-L110
Xeon Silver 4210R 10C 2.4GHz 100W	S26361-F4082-E811	S26361-F4082-L811
Xeon Silver 4214 12C 2.2GHz 85W	S26361-F4082-E114	S26361-F4082-L114
Xeon Silver 4214R 12C 2.4GHz 100W	S26361-F4082-E814	S26361-F4082-L814
Xeon Silver 4216 16C 2.1GHz 100W	S26361-F4082-E116	S26361-F4082-L116
Xeon Silver 4200 - Frequency Optimized (Shelf 2)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2400 MHz & UPI Bus @ 9.6 GT/s		
Xeon Silver 4215 8C 2.5GHz 85W	S26361-F4082-E115	S26361-F4082-L115
Xeon Silver 4215R 8C 3.2GHz 130W	S26361-F4082-E815	S26361-F4082-L815
Xeon Gold 5200 - Advanced AEP enabled(Shelf 3)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 5215 10C 2.5GHz 85W	S26361-F4082-E215	S26361-F4082-L215
Xeon Gold 5217 8C 3.0GHz 85W	S26361-F4082-E217	S26361-F4082-L217
Xeon Gold 5218 16C 2.3GHz 125W	S26361-F4082-E218	S26361-F4082-L218
Xeon Gold 5218B 16C 2.3GHz 125W	S26361-F4082-E219	S26361-F4082-L219
Xeon Gold 5218R 20C 2.1GHz 125W	S26361-F4082-E818	S26361-F4082-L818
Xeon Gold 5220 18C 2.2GHz 125W	S26361-F4082-E220	S26361-F4082-L220
Xeon Gold 5220R 24C 2.2GHz 150W	S26361-F4082-E820	S26361-F4082-L820
Xeon Gold 5200 - Advanced AEP enabled (Shelf 3)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 5222 4C 3.8GHz 105W	S26361-F4082-E222	S26361-F4082-L222
Xeon Gold 5200S - Search Optimized (Shelf 3)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 5220S 18C 2.6GHz 125W	S26361-F4082-E221	S26361-F4082-L221
Xeon Gold 6200 - Advanced AEP enabled (Shelf 4)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 6226 12C 2.8GHz 125W	S26361-F4082-E326	S26361-F4082-L326
Xeon Gold 6226R 16C 2.9GHz 150W	S26361-F4082-E826	S26361-F4082-L826
Xeon Gold 6230 20C 2.1GHz 125W	S26361-F4082-E330	S26361-F4082-L330
Xeon Gold 6230R 26C 2.1GHz 150W	S26361-F4082-E830	S26361-F4082-L830
Xeon Gold 6234 8C 3.4GHz 130W	S26361-F4082-E334	S26361-F4082-L334
Xeon Gold 6238 22C 2.1GHz 140W	S26361-F4082-E338	S26361-F4082-L338
Xeon Gold 6238R 28C 2.2GHz 165W	S26361-F4082-E838	S26361-F4082-L838
Xeon Gold 6240 18C 2.6GHz 150W	S26361-F4082-E340	S26361-F4082-L340
Xeon Gold 6240R 24C 2.4GHz 165W	S26361-F4082-E840	S26361-F4082-L840
Xeon Gold 6242 16C 2.8GHz 150W	S26361-F4082-E342	S26361-F4082-L342
Xeon Gold 6242R 20C 3.1GHz 205W	S26361-F4082-E842	S26361-F4082-L842
Xeon Gold 6244 8C 3.6GHz 150W	S26361-F4082-E344	S26361-F4082-L344
Xeon Gold 6246 12C 3.3GHz 165W	S26361-F4082-E346	S26361-F4082-L346
Xeon Gold 6246R 16C 3.4GHz 205W	S26361-F4082-E846	S26361-F4082-L846
Xeon Gold 6248 20C 2.5GHz 150W	S26361-F4082-E348	S26361-F4082-L348
Xeon Gold 6248R 24C 3.0GHz 205W	S26361-F4082-E848	S26361-F4082-L848
Xeon Gold 6250 8C 3.9GHz 185W	S26361-F4082-E850	S26361-F4082-L850
Xeon Gold 6252 24C 2.1GHz 150W	S26361-F4082-E352	S26361-F4082-L352
Xeon Gold 6254 18C 3.1GHz 200W	S26361-F4082-E354	S26361-F4082-L354
Xeon Gold 6256 12C 3.6GHz 205W	S26361-F4082-E856	S26361-F4082-L856
Xeon Gold 6258R 28C 2.7GHz 205W	S26361-F4082-E858	S26361-F4082-L858
Xeon Gold 6200V - VM Density Optimized AEP enabled (Shelf 4)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 6222V 20C 1.8GHz 115W	S26361-F4082-E322	S26361-F4082-L322
Xeon Gold 6262V 24C 1.9GHz 135W	S26361-F4082-E362	S26361-F4082-L362

B1

B1

Xeon Platinum 8200 Advanced AEP enabled (Shelf 5)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Platinum 8260 24C 2.4GHz 165W	S26361-F4082-E360	S26361-F4082-L360
Xeon Platinum 8268 24C 2.9GHz 205W	S26361-F4082-E368	S26361-F4082-L368
Xeon Platinum 8270 26C 2.7GHz 205W	S26361-F4082-E370	S26361-F4082-L370
Xeon Platinum 8276 28C 2.3GHz 165W	S26361-F4082-E376	S26361-F4082-L376
Xeon Platinum 8280 28C 2.7GHz 205W	S26361-F4082-E380	S26361-F4082-L380
Xeon Gold 5200M - Advanced (Shelf 3; 2.0TB p. Socket)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & UPI Bus @ 10.4 GT/s		
Xeon Platinum 5215M 10C 2.5GHz 85W	S26361-F4082-E415	S26361-F4082-L415
Xeon Gold 6200M - Advanced (Shelf 4; 2.0TB p. Socket)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 6238M 22C 2.1GHz 140W	S26361-F4082-E438	S26361-F4082-L438
Xeon Gold 6240M 18C 2.6GHz 150W	S26361-F4082-E440	S26361-F4082-L440
Xeon Platinum 8200M - Advanced (2.0 TB p. Socket)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Platinum 8260M 24C 2.4GHz 165W	S26361-F4082-E460	S26361-F4082-L460
Xeon Platinum 8276M 28C 2.3GHz 165W	S26361-F4082-E476	S26361-F4082-L476
Xeon Platinum 8280M 28C 2.7GHz 205W	S26361-F4082-E480	S26361-F4082-L480
Xeon Gold 5200L - Advanced (Shelf 3; 4.5TB p. Socket)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & UPI Bus @ 10.4 GT/s		
Xeon Platinum 5215L 10C 2.5GHz 85W	S26361-F4082-E515	S26361-F4082-L515
Xeon Gold 6200L - Advanced (Shelf 4; 4.5TB p. Socket)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 6238L 22C 2.1GHz 140W	S26361-F4082-E538	S26361-F4082-L538
Xeon Gold 6240L 18C 2.6GHz 150W	S26361-F4082-E540	S26361-F4082-L540
Xeon Platinum 8200L - Advanced (Shelf 5; 4.5TB p. Socket)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Platinum 8260L 24C 2.4GHz 165W	S26361-F4082-E560	S26361-F4082-L560
Xeon Platinum 8276L 28C 2.3GHz 165W	S26361-F4082-E576	S26361-F4082-L576
Xeon Platinum 8280L 28C 2.7GHz 205W	S26361-F4082-E580	S26361-F4082-L580
Xeon Silver 4200Y - Speed Select (Shelf 2)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2400 MHz & UPI Bus @ 9.6 GT/s		
Xeon Silver 4214Y 8/10/12C 2.2GHz 85W	S26361-F4082-E614	S26361-F4082-L614
Xeon Gold 6200Y - Speed Select (Shelf 4)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 6240Y 8/14/18C 2.6GHz 150W	S26361-F4082-E640	S26361-F4082-L640
Xeon Platinum 8200Y - Speed Select (Shelf 5)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Platinum 8260Y 16/20/24C 2.4GHz 165W	S26361-F4082-E660	S26361-F4082-L660
Xeon Gold 6200U - Single Socket (Shelf 4)		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 6208U 16C 2.9GHz 150W	S26361-F4082-E808	
Xeon Gold 6209U 20C 2.1GHz 125W	S26361-F4082-E809	
Xeon Gold 6210U 20C 2.5GHz 150W	S26361-F4082-E810	
Xeon Gold 6212U 24C 2.4GHz 150W	S26361-F4082-E812	
Xeon Gold 6200T - Embedded SKUs		
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s		
Xeon Gold 6230T 20C 2.1GHz 125W	S26361-F4082-E930	S26361-F4082-L930
Xeon Gold 6238T 22C 1.9GHz 125W	S26361-F4082-E938	S26361-F4082-L938
Cooler Kit (see comment above; for upgrade please use according kit to the selected CPU)		
Cooling Kit 2nd CPU	S26361-F3849-E100	
Cooling kit up to 130W TDP; no ATD, 4x Single-Rotor-Fan		S26361-F4051-L830
Cooling kit up to 160W TDP		S26361-F4051-L841
Cooling kit up to 205W TDP		S26361-F4051-L842

For configuring a 2nd CPU please order the required

C

Chapter 4 - DDR4 System memory

C

Each CPU offers 12 Slots for DDR4 Memory Modules organised in 2 Banks and 6 Channels with 2 Memory Controllers (3 Channels each).
 If you need more than 12 Slots you have to configure the 2nd CPU.
 Depending on the amount of memory configured you can decide between 3 basic modes of operation (see explanation below).

There are different kinds of DDR4 Memory Modules available: RDIMM x4, RDIMM x8, LRDIMM.
 Mix of these different kind of memories is not allowed.
 In addition DCPMM (Data Center Persistent Memory) is available and can be mixed with all kind of memory modules.

Supported memory capacities per CPU:
 768 GB DDR4 RDIMM (12x 64GB 2Rx4)
 1.536 GB DDR4 LRDIMM (12x 128GB 4Rx4/8Rx4) **(CPU type with "M" at the end is required)**
 960 GB with 6x DDR4 32 GB & 6x DCPMM 128 GB **(Standard CPU with type Gold or type Platinum is required; exception is the Xeon Silver 4215 & 4215R SKU)**
If DCPMM 128 GB is combined with 64 GB or 128 GB Memory module CPU type with "M" at the end is required!
 1.920 GB with 6x DDR4 64 GB & 6x DCPMM 256 GB (CPU type with "M" at the end is required)
If DCPMM 256 GB is combined with 128 GB Memory module CPU type with "L" at the end is required!
 3.840 GB with 6x DDR4 128 GB & 6x DCPMM 512 GB (CPU type with "L" at the end is required)

Supported memory capacities per System:
 1.536GB using RDIMM
 3.072GB using LRDIMM technology with 128GB per module
 7.680 GB using LRDIMM technology with 128GB per module and 512 GB DCPMM

The memory speed is independent from the configuration (1DPC or 2DPC) but restricted by the CPU SKU (max. 2.933 MT/s).
 DDR4 memory is operated at 1.2V

S26361-F3694-E10	Independent Mode Installation
Independent Channel Mode allows all channels to be populated in any order. No specific Memory RAS features are defined. 2 different DIMMs are allowed.	
Requires minimum 1 memory Module per CPU	
S26361-F3694-E1	Rank Sparing Mode Installation
BIOS Setup factory preinstalled to this mode. One Rank is spare of other ranks on the same channel. Spare Rank is not shown in System Memory. For effective capacity within a channel, please have a look below. Only one DIMM type is allowed. Not supported with DCPMM modules!	
Requires minimum 2x 1R/2R or 1x 4R/8R modules per CPU	
S26361-F3694-E3	Mirrored Channel Mode Installation
BIOS preconfiguration for Mirror mode. Two or three identical memory modules are always equipped at one memory controller to use the mirrored channel mode. Half of the modules contain active data, the remaining modules contain mirrored data. See details below. Only one DIMM type is allowed.	
Multiple of 6 identical modules to be configured per CPU	

i

Resulting memory capacity / Rank Sparing Mode, 1 Channel populated														
	RDIMM x8				RDIMM x4				LRDIMM					
	8GB	1R	16GB	2R	16GB	1R	32GB	2R	64GB	2R	64GB	4R	128GB	4R
1DPC	8GB				16GB				32GB		48GB		96GB	
2DPC	8GB		24GB		16GB		48GB		96GB		112GB		224GB	

i Apparently 3DS-DIMMs don't behave like 4Rx4 modules but as 2Rx4; same situation for 8Rx4 organized modules (=> 2Rx4). Result is, that in rank-sparing mode the memory loss is half of one module capacity. This is shown in table above.

DDR4 rg 2933 xRx8			
8GB (1x8GB) 1Rx8 DDR4-2933 R ECC	S26361-F4083-E108	S26361-F4083-L108	
16GB (1x16GB) 2Rx8 DDR4-2933 R ECC	S26361-F4083-E116	S26361-F4083-L116	

DDR4 rg 2933 xRx4			
16GB (1x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E316	S26361-F4083-L316	
32GB (1x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E332	S26361-F4083-L332	
64GB (1x64GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E364	S26361-F4083-L364	

DDR4 lr 2933			
64GB (1x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E464	S26361-F4083-L464	
128GB (1x128GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E428	S26361-F4083-L428	

C1

DCPMM configuration section (128 GB Modules)

C1

i Only one type of DCPMM is allowed per system!
 Only one DCPMM package and one Memory package is allowed per CPU!
 Every CPU has to have the same DCPMM & Memory configuration!
 Liquid cooling base unit does not support DCPMM

DCPMM 128GB 2666 (Apache Pass)		
128GB (1x128GB) DCPMM-2666	S26361-F4083-E501	S26361-F4083-L501

Available Memory Packages		
192GB (6x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E333	
384GB (6x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E465	

DCPMM 128GB 2666 (Apache Pass)		
256GB (2x128GB) DCPMM-2666	S26361-F4083-E521	
512GB (4x128GB) DCPMM-2666	S26361-F4083-E541	
768GB (6x128GB) DCPMM-2666	S26361-F4083-E561	

Available Memory Packages		
96GB (6x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E317	
192GB (6x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E333	
384GB (6x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E465	

DCPMM 128GB 2666 (Apache Pass)		
768GB (6x128GB) DCPMM-2666	S26361-F4083-E561	

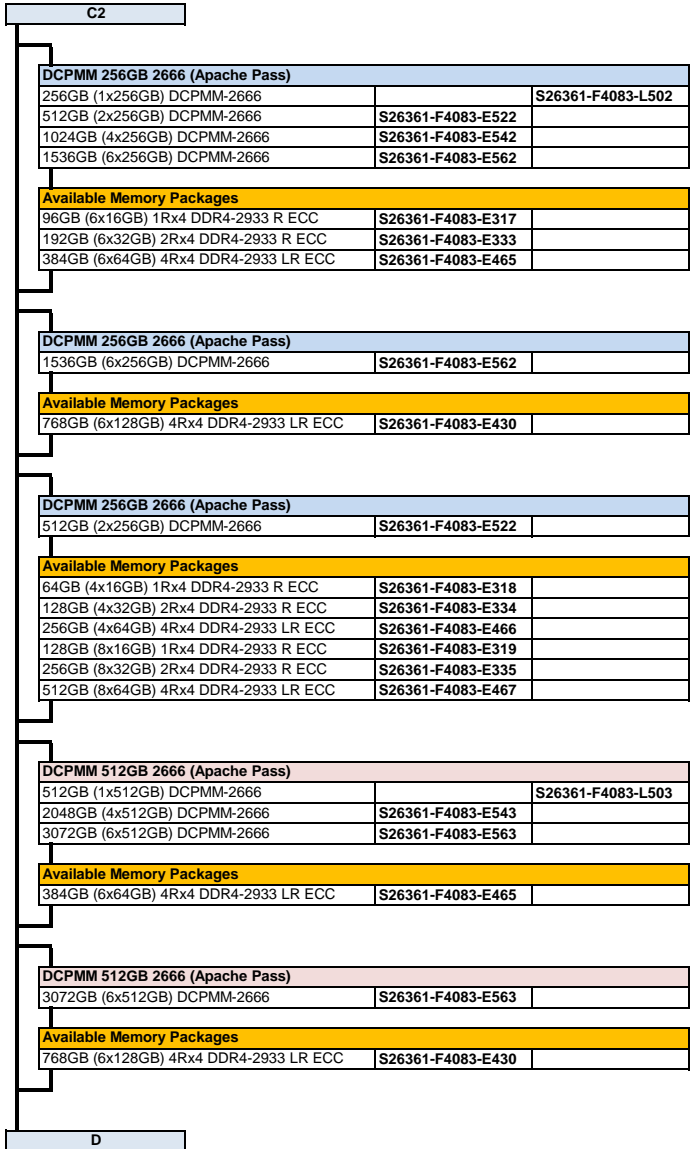
Available Memory Packages		
768GB (6x128GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E430	

DCPMM 128GB 2666 (Apache Pass)		
256GB (2x128GB) DCPMM-2666	S26361-F4083-E521	

Available Memory Packages		
64GB (4x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E318	
128GB (4x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E334	
256GB (4x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E466	
128GB (8x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E319	
256GB (8x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E335	
512GB (8x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E467	

C2

DCPMM configuration section (256 & 512 GB Modules)



Detailed information

Mode	Configuration	RDIMM		Use case, advantage
		x8	LRDIMM x4	
SDDC (chipkill) support	any	no	yes	supports detecting multi-bit errors
Independant channel mode	1 or 2 Modules per Bank	yes	yes	offers max. flexibility, upgradeability, capacity
Mirrored channel mode *)	6 identical Modules / Bank	no	yes	offers maximum security
Rank sparing mode *)	min. 2 Ranks / Channel	no	yes	balances performance and capacity

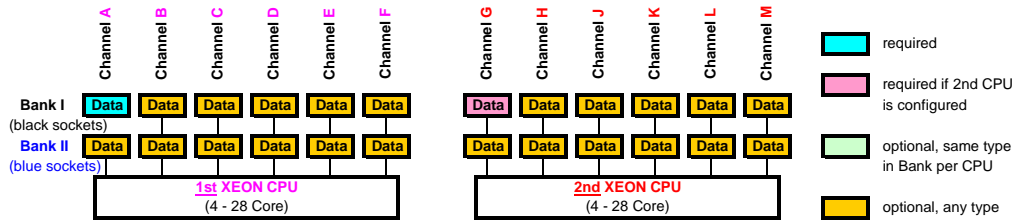
*) For the delivery ex factory the system will be prepared with dedicated BIOS setting.

Capacity	Configuration	RDIMM	LRDIMM	Notes
Min. Memory per CPU	1 Module / CPU	1x8GB	1x64GB	with one CPU
Max. Memory per CPU	12 Modules / CPU	12x64GB	12x128GB	with one CPU
Max. Memory per System	24 Modules / System	1.536GB	3.072GB	if second CPU is configured

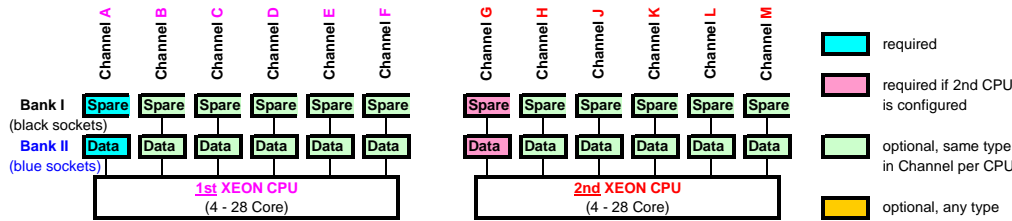
The memory sockets on the Systemboards are color coded

Bank I	black sockets	Bank II	blue sockets
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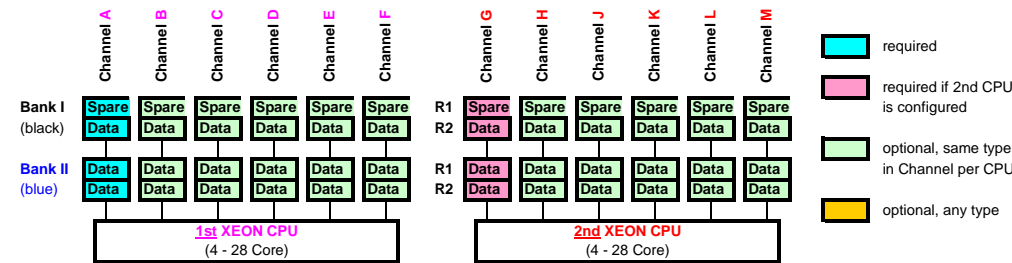
Independant channel mode



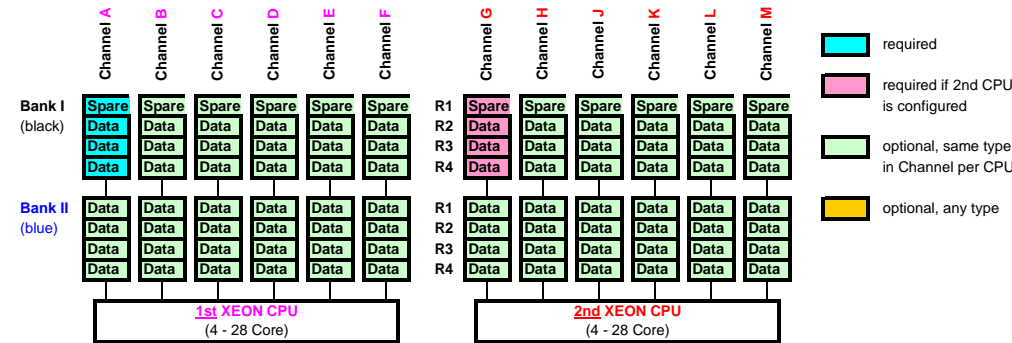
Rank sparing mode --- 1-Rank Memory modules (RDIMM)



Rank sparing mode --- 2-Rank Memory modules (RDIMM)

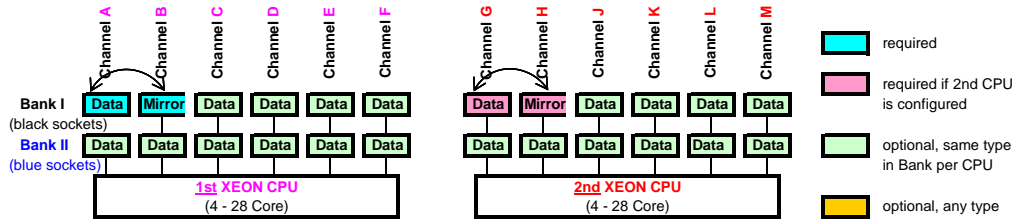


Rank sparing mode --- 4-Rank Memory modules (RDIMM 3DS)



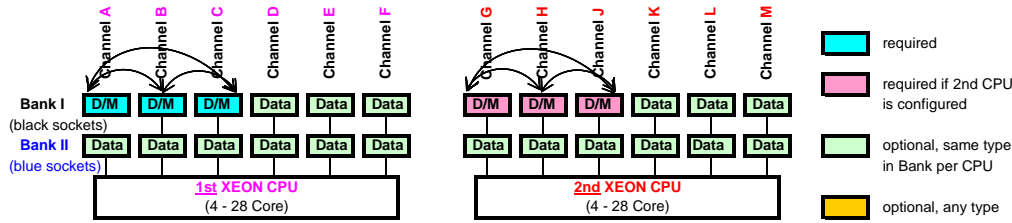
Rank Sparing Mode requires identical modules (same capacity and technology) within the same channel. The available memory for applications will vary depending on configuration. Please refer to the spreadsheet above "Effective Memory capacity with active Rank Sparing Mode". Population rule for Rank sparing mode is to achieve max. available memory, e.g. 4 DIMMs will be spread across two channels, each with 2DPC

Mirror Channel Mode (2 DIMMS per CPU)



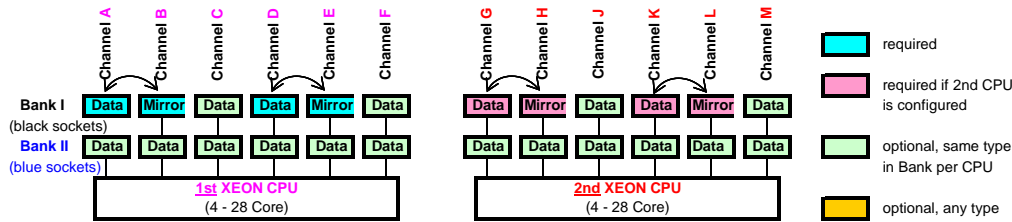
Mirrored Channel Mode (2 DIMMS per CPU) requires identical modules on channel A & B (1st CPU) or channel G & H (2nd CPU) 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory. If this mode is used, a multiple of 2 identical modules has to be ordered.

Mirror Channel Mode (3 DIMMS per CPU)



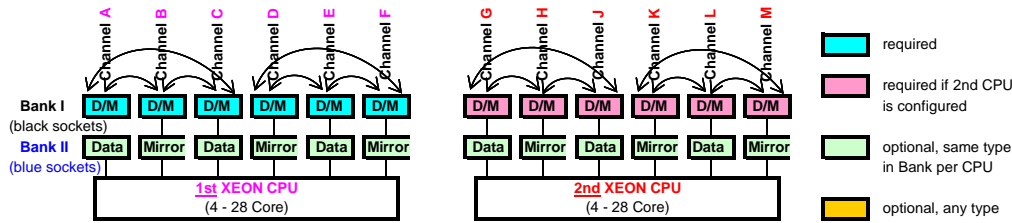
Mirrored Channel Mode (3 DIMMS per CPU) requires identical modules on channel A, B & C (1st CPU) or channel G, H & J (2nd CPU) 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory. If this mode is used, a multiple of 3 identical modules has to be ordered.

Mirror Channel Mode (4 DIMMS per CPU)



Mirrored Channel Mode (4 DIMMS per CPU) requires identical modules on channel A, B, D & E (1st CPU) or channel G, H, K & L (2nd CPU) 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory. If this mode is used, a multiple of 4 identical modules has to be ordered.

Mirror Channel Mode (6 DIMMS per CPU)



Mirrored Channel Mode requires identical modules on channel A, B, C, D, E, F (1st CPU) or channel G, H, J, K, L and M (2nd CPU) 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory. If this mode is used, a multiple of 6 identical modules has to be ordered.

Released configurations with DCPMM modules per CPU

Modes	iMC0						iMC1						Config
	Channel 0		Channel 1		Channel 2		Channel 0		Channel 1		Channel 2		
	Bank II	Bank I	Bank II	Bank I	Bank II	Bank I	Bank II	Bank I	Bank II	Bank I	Bank II	Bank I	
AD + MM	128	16	128	16	128	16	128	16	128	16	128	16	2-2-2
AD + MM	128	32	128	32	128	32	128	32	128	32	128	32	2-2-2
AD	128	64	128	64	128	64	128	64	128	64	128	64	2-2-2
AD	128	128	128	128	128	128	128	128	128	128	128	128	2-2-2
AD + MM	256	16	256	16	256	16	256	16	256	16	256	16	2-2-2
AD + MM	256	32	256	32	256	32	256	32	256	32	256	32	2-2-2
AD + MM	256	64	256	64	256	64	256	64	256	64	256	64	2-2-2
AD	256	128	256	128	256	128	256	128	256	128	256	128	2-2-2
AD + MM	512	64	512	64	512	64	512	64	512	64	512	64	2-2-2
AD + MM	512	128	512	128	512	128	512	128	512	128	512	128	2-2-2
AD + MM	128	16	128	16		16	128	16	128	16		16	2-2-1
AD	128	32	128	32		32	128	32	128	32		32	2-2-1
AD	128	64	128	64		64	128	64	128	64		64	2-2-1
AD + MM	256	16	256	16		16	256	16	256	16		16	2-2-1
AD + MM	256	32	256	32		32	256	32	256	32		32	2-2-1
AD	256	64	256	64		64	256	64	256	64		64	2-2-1
AD + MM	512	64	512	64		64	512	64	512	64		64	2-2-1
AD	128	16		16		16	128	16		16		16	2-1-1
AD	128	32		32		32	128	32		32		32	2-1-1
AD	128	64		64		64	128	64		64		64	2-1-1
AD + MM	256	16		16		16	256	16		16		16	2-1-1
AD	256	32		32		32	256	32		32		32	2-1-1
AD	256	64		64		64	256	64		64		64	2-1-1
AD + MM		16		16		128		16		16		128	1-1-1
AD		32		32		128		32		32		128	1-1-1
AD		64		64		128		64		64		128	1-1-1
AD + MM		16		16		256		16		16		256	1-1-1
AD + MM		32		32		256		32		32		256	1-1-1
AD		64		64		256		64		64		256	1-1-1
AD	16	16	16	16		128	16	16	16	16		128	2-2-1
AD	32	32	32	32		128	32	32	32	32		128	2-2-1
AD	64	64	64	64		128	64	64	64	64		128	2-2-1
AD	16	16	16	16		256	16	16	16	16		256	2-2-1
AD	32	32	32	32		256	32	32	32	32		256	2-2-1
AD	64	64	64	64		256	64	64	64	64		256	2-2-1
AD	128	32		32		32		32		32		32	2/1-1-1
AD	128	64		64		64		64		64		64	2/1-1-1

Chapter 5 - Graphics or FPGA options

<p>S26361-F1420-E130 S26361-F1420-L130 Front VGA connector (15-pin) Front VGA connector (15-pin) including cable and front connector Not for base units-V112, V116, V238, V824, V428 or - max. 1x per system</p>					
<p>S26361-F4066-E401 S26361-F4066-L401 PGRA CP NVIDIA Quadro P400 NVIDIA Quadro 2GB PCIe 3.0 x16 Connectors: 3x Mini-DP no cable kits included cable must be ordered separately Triple head + professional 2-D + 3-D supported for Windows OS native driver support for Linux OS occupies slot 3 (or 8) Low profile bracket max. 1x per system</p>	<p>The high end optional NVIDIA Quadro P400 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.</p>	<p>PY VGA card can be installed in slot 3 (CPU1) or slot 8 (CPU2)</p>			
<p>S26361-F4066-E11 S26361-F4066-L11 MiniDP-DP ADAPTER max. 3x per card</p>					
<p>S26361-F4066-E12 S26361-F4066-L12 DP-VGA ADAPTER max. 3x per card</p>	<p>S26361-F4066-E13 S26361-F4066-L13 DP-DVI ADAPTER max. 3x per card</p>				
<p>NVIDIA Quadro P4000/P5000/ RTX4000/RTX6000/RTX8000 NVIDIA Tesla V100 for PCIe</p>		<p>The different GPU mixed configuration does not support.</p>			
<p>Mounting Kit right is included in GFX/GPU base units</p>		<p>Mounting Kit right is included in GFX/GPU base units</p>			
<p>S26361-F3846-E42 S26361-F3846-L42 GFX/GPU Mounting Kit left max. 1x per system required, needs 2nd CPU</p>	<p>S26361-F3846-L49 GFX/GPU upgrade kit Cable Kit to install one GFX/GPU card ex works includes different power cables for released cards</p>	<p>S26361-F3846-E42 S26361-F3846-L42 GFX/GPU Mounting Kit left max. 1x per system required, needs 2nd CPU</p>			
<p>S26361-F4025-E340 S26361-F4025-L340 PGRA CP Quadro P4000 NVIDIA Quadro P4000 Card with 1792 graphic cores & 8GB GDDR5 RAM. PCIe Gen3 power cables from PSU need to be ordered separately. 800W or higher PSU is recommended PCIe *16 (Gen3) - single width - occupies space for one PCIe slots, Full height bracket Limitation: CPU max 150W with ambient temperature max 30°C! Display connector: -DisplayPort x 4 max. 2x per system</p>	<p>S26361-F4025-E360 S26361-F4025-L360 PGRA CP Quadro P5000 NVIDIA Quadro P5000 Card with 2560 graphic cores & 16GB GDDR5 RAM. PCIe Gen3 power cables from PSU need to be ordered separately. 800W or higher PSU is recommended PCIe *16 (Gen3) - double width - occupies space for two PCIe slots, Full height bracket Limitation: CPU max 150W with ambient temperature max 30°C! Display connector: -DVI-D x 4 -DisplayPort x 4 max. 2x per system</p>	<p>S26361-F4025-E540 S26361-F4025-L540 PGRA CP Quadro RTX4000 NVIDIA Quadro RTX4000 Card with 2304 graphic cores & 8GB GDDR6 RAM. PCIe Gen3 power cables from PSU need to be ordered separately. 800W or higher PSU is recommended PCIe *16 (Gen3) - single width - occupies space for one PCIe slots, Full height bracket Limitation: CPU max 165W with ambient temperature max 30°C! Display connector: -DisplayPort x 3 max. 2x per system</p>	<p>S26361-F4025-E560 S26361-F4025-L560 PGRA CP Quadro RTX6000 NVIDIA Quadro RTX6000 Card with 4608 graphic cores & 24GB GDDR6 RAM. PCIe Gen3 power cables from PSU need to be ordered separately. 800W or higher PSU is recommended PCIe *16 (Gen3) - single width - occupies space for one PCIe slots, Full height bracket Limitation: CPU max 165W with ambient temperature max 30°C! Display connector: -DisplayPort x 4 VirtualLink (USB Type-C) max. 2x per system</p>	<p>S26361-F4025-E580 S26361-F4025-L580 PGRA CP Quadro RTX8000 NVIDIA Quadro RTX8000 Card with 4608 graphic cores & 48GB GDDR6 RAM. PCIe Gen3 power cables from PSU need to be ordered separately. 800W or higher PSU is recommended PCIe *16 (Gen3) - single width - occupies space for one PCIe slots, Full height bracket Limitation: CPU max 165W with ambient temperature max 30°C! Display connector: -DisplayPort x 4 VirtualLink (USB Type-C) max. 2x per system</p>	
<p>S26361-F4066-E12 S26361-F4066-L12 DP-VGA ADAPTER max. 4x (Quadro P4000/ P5000/RTX6000)/ 3xRTX4000</p>	<p>S26361-F4066-E13 S26361-F4066-L13 DP-DVI ADAPTER max. 4x (Quadro P4000/ P5000/RTX6000)/ 3xRTX4000</p>	<p>S26361-F4025-E330 S26361-F4025-L330 NVIDIA A100 GPU Card for PCIe NVIDIA Tesla A100 Card with 6912 CUDA cores(FP32) & 40GB HBM2 memory. PCIe power cables from PSU need to be ordered separately. PCIe *16 (Gen4) - double width - occupies space for two PCIe slots, Full height bracket Limitation: CPU max 165W with ambient temperature max 28°C! max. 2x per system</p>	<p>S26361-F4025-E325 S26361-F4025-L325 PY NVIDIA Tesla V100S for PCIe NVIDIA Tesla V100 Card with 5120 CUDA cores(FP32) & 32GB HBM2 memory. PCIe Gen3 power cables from PSU need to be ordered separately. 800W or higher PSU is PCIe *16 (Gen3) - double width - occupies space for two PCIe slots, Full height bracket Limitation: CPU max 165W with ambient temperature max 28°C! max. 2x per system</p>	<p>S26361-F4025-E232 S26361-F4025-L232 PY NVIDIA Tesla V100 for PCIe NVIDIA Tesla V100 Card with 5120 CUDA cores(FP32) & 32GB HBM2 memory. PCIe power cables from PSU need to be ordered separately. 800W or higher PSU is PCIe *16 (Gen3) - double width - occupies space for two PCIe slots, Full height bracket Limitation: CPU max 165W with ambient temperature max 30°C! max. 2x per system</p>	<p>S26361-F4025-E400 S26361-F4025-L400 PY NVIDIA Tesla T4 NVIDIA Tesla T4 Card with 2560 CUDA cores(FP32) & 16GB GDDR6. PCIe Gen3 x16, Low power cables from PSU need to be ordered separately. 800W PSU is recommended PCIe *16 (Gen3) - single width, low profile bracket, no external power cable, 70W Limitation: (This limitation is until T4 x2) - CPU max 165W with ambient temperature max 30°C! - No support ATD 40 or ATD 45 (This limitation is T4 x3 & T4 x4) - CPU max 165W with ambient temperature max 28°C! - No support ATD 40 or ATD 45 - Max 8x disk 3.5" or 2.5" - No rear option 4x 2.5" - No PCIe-riser options for full-height cards (no install for GPU Basic units models) max. 4x per system</p>
<p>Supported for GPU pass through and vGPU (shared GPU) under Citrix XenServer 6.5 and XenDesktop. Workload depends on application. Ideal for virtualized GPU or shared GPU workload like "Power Users" or "Knowledge Workers", including "Designer" as full power graphic USER (GRID K2 only). Supported for VMware ESXi 5.5 shared (vSGA) & dedicated (vDGA) virtual graphic support and Microsoft RemoteFX under Windows Server 2012 R2. All guests OSES are supported if listed at OS vendors HCL. NOT certified for CAD / CAM / CAX type of applications using dedicated GPU.</p>		<p>Tesla T4 does not install in "Basic units for best graphics applications". S26361-K1655-V308 & S26361-K1655-V304. Other models are possible to install this card. This card is not necessary GFX/GPU card external power cable.</p>			

NVIDIA TESLA M60/M10 GPU pass through / vGPU

The different GPU mixed configuration does not support.

For GRID 3.0 to use the virtual graphic (GRID) functionality, a SW activation key and support licence has to be purchased additionally. Please refer to additional licence offerings for Virtual Applications / Virtual PC / Virtual Workstation plus SUMs (Support, Updates & Maintenance subscriptions). Cards personality is set to graphic card ex factory!

Tesla T4 does not install in "Basic units for best graphics applications", S26361-K1655-V308 & S26361-K1655-V304. Other models are possible to install this card. This card is not necessary GFX/GPU card external power cable.

Mounting Kit right is included in GFX/GPU base units

S26361-F3846-L49 GFX/GPU upgrade kit Cable Kit to install one GFX/GPU card ex works includes different power cables for released cards

S26361-F3846-E42 S26361-F3846-L42 GFX/GPU Mounting Kit left max. 1x per system required, needs 2nd CPU

Table listing various GPU models (e.g., S26361-F4025-E400, S26361-F4025-L400) with their specifications, power requirements, and limitations.

Perpetual Software license

Table listing perpetual software licenses (e.g., S26361-F4024-S101, S26361-F4024-L101) and their associated hardware configurations.

SUMs must be ordered in equal numbers with each SW perpetual licences. Please refer data sheet.

Table listing various SUMS (Software Usage Metrics) licenses for renewal (e.g., S26361-F4024-L956, S26361-F4024-L966) and upgrade options (e.g., S26361-F4024-L121).

This license model is NOT requirement for SUMS(Support licence). It is including it.

Subscription Software license

Table listing subscription software licenses (e.g., S26361-F4024-S111, S26361-F4024-L111) with their terms and conditions.

NVIDIA Subscription License (6 months) for renewal - Loose Delivery - S26361-F4024-L906 NVIDIA GRID vApps Subscription License 6 months Renew, 1CCU NVIDIA Subscription License (6 months) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L916 NVIDIA GRID vPC Subscription License 6 months Renew, 1 CCU NVIDIA Subscription License (6 months) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L926 Quadro vDWS Subscription License 6 months Renew, 1 CCU NVIDIA Subscription License (6 months) for renewal. It needs if you need to continue Subscription.		NVIDIA Subscription License for renewal - Loose Delivery - S26361-F4024-L906 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8 NVIDIA-Subscription-License-(6-months)-for-renewal-It-needs-if-you-need-to-continue-Subscription.	
NVIDIA Subscription License (1year) for renewal - Loose Delivery - S26361-F4024-L902 NVIDIA GRID vApps Subscription License 1yr Renew, 1CCU NVIDIA Subscription License (1 year) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L912 NVIDIA GRID vPC Subscription License 1yr Renew, 1 CCU NVIDIA Subscription License (1 year) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L922 Quadro vDWS Subscription License 1yr Renew, 1 CCU NVIDIA Subscription License (1 year) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L900 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8 NVIDIA-Subscription-License-(1-year)-for-renewal-It-needs-if-you-need-to-continue-Subscription.	
NVIDIA Subscription License (2years) for renewal - Loose Delivery - S26361-F4024-L900 NVIDIA GRID vApps Subscription License 2yrs Renew, 1CCU NVIDIA Subscription License (2 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L910 NVIDIA GRID vPC Subscription License 2yrs Renew, 1 CCU NVIDIA Subscription License (2 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L920 Quadro vDWS Subscription License 2yrs Renew, 1 CCU NVIDIA Subscription License (2 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L902 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8 NVIDIA-Subscription-License-(2-years)-for-renewal-It-needs-if-you-need-to-continue-Subscription.	
NVIDIA Subscription License (3years) for renewal - Loose Delivery - S26361-F4024-L903 NVIDIA GRID vApps Subscription License 3yrs Renew, 1CCU NVIDIA Subscription License (3 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L913 NVIDIA GRID vPC Subscription License 3yrs Renew, 1 CCU NVIDIA Subscription License (3 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L923 Quadro vDWS Subscription License 3yrs Renew, 1 CCU NVIDIA Subscription License (3 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L903 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8 NVIDIA-Subscription-License-(3-years)-for-renewal-It-needs-if-you-need-to-continue-Subscription.	
NVIDIA Subscription License (5years) for renewal - Loose Delivery - S26361-F4024-L905 NVIDIA GRID vApps Subscription License 5yrs Renew, 1CCU NVIDIA Subscription License (5 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L915 NVIDIA GRID vPC Subscription License 5yrs Renew, 1 CCU NVIDIA Subscription License (5 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L925 Quadro vDWS Subscription License 5yrs Renew, 1 CCU NVIDIA Subscription License (5 years) for renewal. It needs if you need to continue Subscription.		S26361-F4024-L905 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8 NVIDIA-Subscription-License-(5-years)-for-renewal-It-needs-if-you-need-to-continue-Subscription.	

Education Software license

Perpetual license S26361-F4024-S401 S26361-F4024-L401 GRID EDU Perpetual License, 1 CCU EDU SUMS must be ordered in equal numbers with each SW perpetual licenses. Please refer data sheet.		Subscription license					
		S26361-F4024-S411 S26361-F4024-L411 GRID EDU Subscription License, 1 year, 1 CCU	S26361-F4024-S413 S26361-F4024-L413 GRID EDU Subscription License, 3 year, 1 CCU	S26361-F4024-S415 S26361-F4024-L415 GRID EDU Subscription License, 5 year, 1 CCU	S26361-F4024-S421 S26361-F4024-L421 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-EDU, 1-Year	S26361-F4024-S423 S26361-F4024-L423 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-EDU, 3-Years	S26361-F4024-S425 S26361-F4024-L425 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-EDU, 5-Years
		S26361-F4024-S834 S26361-F4024-L834 GRID EDU SUMS 4 year, 1 CCU same volume with EDU	S26361-F4024-S835 S26361-F4024-L835 GRID EDU SUMS 5 year, 1 CCU same volume with EDU				

NVIDIA EDU SUMS License (6 months) for renewal - Loose Delivery -
S26361-F4024-L930
 GRID EDU SUMS 6 months Renew, 1CCU
 NVIDIA EDU SUMS License (6 months) for renewal. It needs if you need to continue EDU SUMS.

NVIDIA EDU SUMS License (1year) for renewal - Loose Delivery -
S26361-F4024-L931
 GRID EDU SUMS 1yr Renew, 1CCU
 NVIDIA EDU SUMS License (1 year) for renewal. It needs if you need to continue EDU SUMS.

NVIDIA EDU SUMS License (2 years) for renewal - Loose Delivery -
S26361-F4024-L932
 GRID EDU SUMS 2yrs Renew, 1CCU
 NVIDIA EDU SUMS License (2 years) for renewal. It needs if you need to continue EDU SUMS.

NVIDIA EDU SUMS License (3 years) for renewal - Loose Delivery -
S26361-F4024-L933
 GRID EDU SUMS 3yrs Renew, 1CCU
 NVIDIA EDU SUMS License (3 years) for renewal. It needs if you need to continue EDU SUMS.

NVIDIA EDU SUMS License (4 years) for renewal - Loose Delivery -
S26361-F4024-L934
 GRID EDU SUMS 4yrs Renew, 1CCU
 NVIDIA EDU SUMS License (4 years) for renewal. It needs if you need to continue EDU SUMS.

NVIDIA EDU SUMS License (5 years) for renewal - Loose Delivery -
S26361-F4024-L935
 GRID EDU SUMS 5yrs Renew, 1CCU
 NVIDIA EDU SUMS License (5 years) for renewal. It needs if you need to continue EDU SUMS.

NVIDIA Subscription License (6 months) for renewal - Loose Delivery
S26361-F4024-L946
 GRID EDU Subscription License 6 months Renew, 1CCU
 NVIDIA Subscription License (6 months) for renewal. It needs if you need to continue Subscription.

NVIDIA Subscription License (1year) for renewal - Loose Delivery -
S26361-F4024-L941
 GRID EDU Subscription License 1yr Renew, 1CCU
 NVIDIA Subscription License (1 year) for renewal. It needs if you need to continue Subscription.

NVIDIA Subscription License (2years) for renewal - Loose Delivery -
S26361-F4024-L942
 GRID EDU Subscription License 2yrs Renew, 1CCU
 NVIDIA Subscription License (2 years) for renewal. It needs if you need to continue Subscription.

NVIDIA Subscription License (3years) for renewal - Loose Delivery -
S26361-F4024-L943
 GRID EDU Subscription License 3yrs Renew, 1CCU
 NVIDIA Subscription License (3 years) for renewal. It needs if you need to continue Subscription.

EOL
NVIDIA Subscription License (6 months) for renewal - Loose Delivery -
S26361-F4024-L908
 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8
 NVIDIA-Subscription-License-(6-months)-for-renewal-It-needs-if-you-need-to-continue-Subscription.

NVIDIA Subscription License (1year) for renewal - Loose Delivery -
S26361-F4024-L900
 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8
 NVIDIA-Subscription-License-(1-year)-for-renewal-It-needs-if-you-need-to-continue-Subscription.

NVIDIA Subscription License (2years) for renewal - Loose Delivery -
S26361-F4024-L902
 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8
 NVIDIA-Subscription-License-(2-years)-for-renewal-It-needs-if-you-need-to-continue-Subscription.

NVIDIA Subscription License (3years) for renewal - Loose Delivery -
S26361-F4024-L903
 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8
 NVIDIA-Subscription-License-(3-years)-for-renewal-It-needs-if-you-need-to-continue-Subscription.

NVIDIA Subscription License (4years) for renewal - Loose Delivery -
S26361-F4024-L904
 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8
 NVIDIA-Subscription-License-(4-years)-for-renewal-It-needs-if-you-need-to-continue-Subscription.

NVIDIA Subscription License (5years) for renewal - Loose Delivery -
S26361-F4024-L905
 NVIDIA vCompute-Server-Subscription-1-GPU-(Max-8-CC-VMs)-R8
 NVIDIA-Subscription-License-(5-years)-for-renewal-It-needs-if-you-need-to-continue-Subscription.

Intel PAC A10 FPGA Card

Will be available beginning of September 2018

Mounting Kit right

is included in GFX/GPU base units

S26361-F3846-E42

S26361-F3846-L42

GFX/GPU Mounting Kit left

max. 1x per system required, needs 2nd CPU

S26361-F4067-E1

S26361-F4067-L1

Intel PAC Arria 10 GX FPGA

Intel Programmable Acceleration Card with Arria 10 GX FPGA.

power cables from PSU need to be ordered separately. 800W or higher PSU is recommended

INTEL PAC W/A10 FPGA, PCIe-x16(Mechanical) FPGA card

max. 2x per system

Limitation:

- CPU max 150W
- No support ATD 40 or ATD 45
- Supported only Redhat Linux 7.6
- x1 CPU ordered, 800W or higher PSU is recommended
- x2 CPU ordered, 1200W PSU is recommended
- DCPMM ordered, 1200W PSU is recommended
- No supported mixed configuration with all graphic cards
- No supported mixed configuration with LoM OCP phy

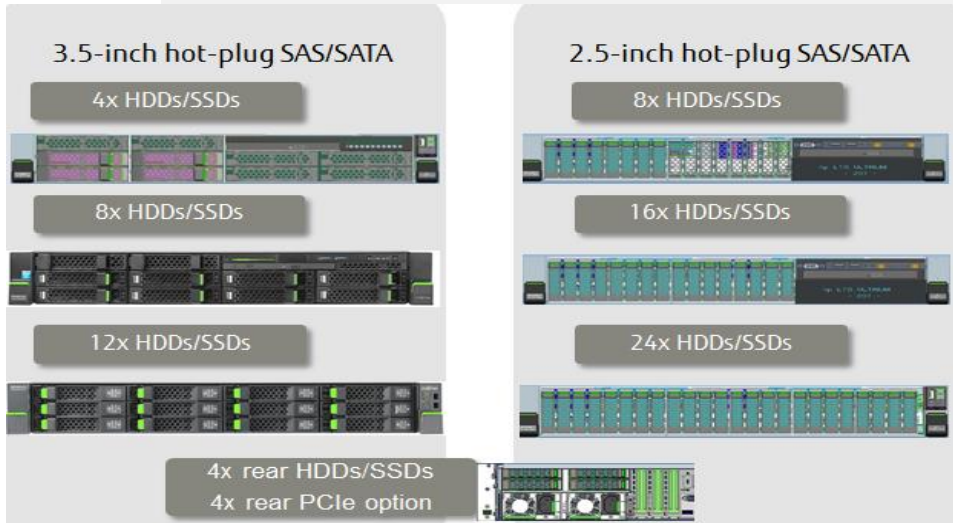
S26361-F3846-L49 GFX/GPU upgrade kit
Cable Kit to install one GFX/GPU card ex works
includes different power cables for released cards

E

Chapter 6 - Drive cage and PCIe riser options

F

Six standard basic units provide the basic 3.5" and 2.5" HDD/SSD configurations as shown below. E.g. front PCIe SSD SFF configurations are offered as use case specific basic unit for hybrid flash. The rear HDD/SSD cage for up to 4x 2.5" devices is offered as an option for the storage units with 12x 3.5" or 24x 2.5" HDD/SSD.

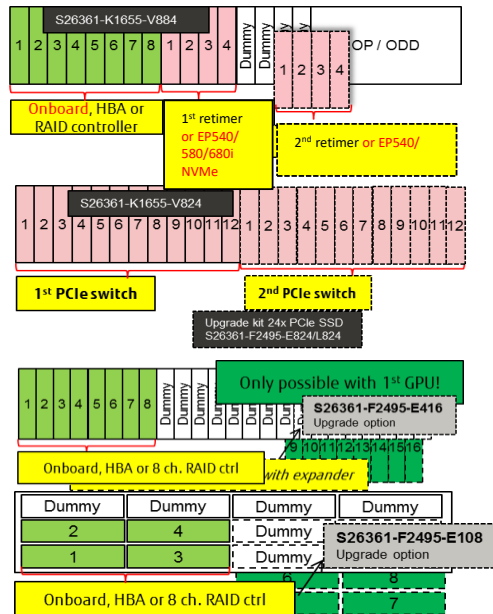


Available Upgrade kit for configuration 4x 3.5" HDD:
Upgrade kit to 8x 3.5" HDD S26361-F2495-L108


Upgrade to 12x 3.5" HDD is not possible!

Available Upgrade kits for configuration 8x 2.5" HDD (-V408):
 Upgrade kit to 16x 2.5" HDD S26361-F2495-L445
 Upgrade kit to 2x 8x 2.5" HDD S26361-F2495-L416
 Upgrade kit to 24x 2.5" HDD S26361-F2495-L424
 Upgrade kit 4x PCIe-SSD S26361-F2495-L284
 Available Upgrade kit for configuration 16x 2.5" HDD:
 Upgrade kit to 24x 2.5" HDD S26361-F2495-L434

Modular HDD/SSD/PCIe options for special base units	
For Hybrid Flash basic unit V884 only:	
S26361-F2495-E884	Upgrade 4x to 8x PCIe SSD SFF
S26361-F2495-L884	Later upgrade 4x to 8x PCIe SSD SFF
Note: Separate PCIe Retimer or PRAID EP540i/EP580i/EP680i needed!	
For All Flash basic unit V824 only:	
S26361-F2495-E824	Upgrade 12x to 24x PCIe SSD SFF
S26361-F2495-L824	Later upgrade 12x to 24x PCIe SSD SFF
Note: 2nd PCIe switch, backplane and cables included	
For basic unit V408 and V308 only:	
S26361-F2495-E416	Option upgrade 8x HDD/SSD SFF
Note: Limits for one GFX/GPU card!	
For basic unit V104 and V304 only:	
S26361-F2495-E108	Option upgrade 4x HDD/SSD LFF
No limitation	
max. 1x per system	
Includes all necessary bezels, cages, backplanes and cables	



rear 2.5" SAS/SATA HDD/SSD SFF
rear 2.5" PCIe-SSD SFF



Slot 7 to use for 4x2.5" rear solutions separate

1	3	Separate HBA or RAID controller
2	4	

S26361-F3853-E30/L30

S26361-F3853-E40/L40

No more limitation with ambient temperature max 35°C!

1	3	Separate Retimer
2	4	

3rd retimer or EP540/580/680i NVMe

Modular REAR SFF HDD/SSD/PCIe options are possible for basic unit V112, V116, V238, V424, V428, V824 as well as V884

S26361-F3853-E30	Option REAR SAS/SATA HDD/SSD
S26361-F3853-E40	Option REAR PCIe SSD SFF

Available Upgrade kits for this configuration option:

S26361-F3853-L30	Upgrade REAR SAS/SATA HDD/SSD
S26361-F3853-L40	Upgrade REAR PCIe SSD SFF

Provides 4 rear hot-plug bays for SAS/SATA HDD/SSD SFF or PCIe-SSD SFF devices

Note: Separate SAS-Controller or PCIe Retimer needed in slot 7 which requires a 2nd CPU if 8 channel ctrl is used!

PRAID EP540i/EP580i/EP680i 16 channel (in V116 or V428) doesn't require this!

Note: Consumes space for PCIe riser x8 and x16 left max. 1x per system

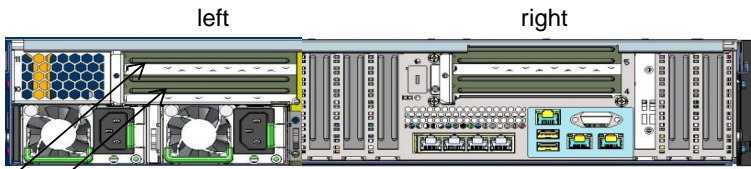
Includes all necessary bezels, cages, backplanes and cables

PCIe riser card options

S26361-F3846-E31
PCIe riser x8 and x16 right
PCIe 3.0 x8 and x16
provides two full height slots
max. 1x per system

S26361-F3846-E32
PCIe riser x8 and x16 left
PCIe 3.0 x8 and x16
provides two full height slots
max. 1x per system

Every PCIe riser card option consumes white PCIe x16 low profile slot each. It provides one PCIe x8 and x16 full height slots instead (Slot no. 4 and 5 or no. 10 and 11). So, max. four PCIe full height slots plus one PCIe x16 and three PCIe x8 low profile slots are available. Please note that some PCIe cards have different order numbers depending on full height slots or low profile slots! And left or right side PCIe riser card option is different!



Detailed PCIe slot description:

Slot 11 PCIe-3 x8, max. 270mm @ CPU2	full-height slot
Slot 10 PCIe-3 x16, max. 270mm @ CPU2	full-height slot
Slot 9 PCIe-3 x24, max. 198mm @ CPU2	low-profile slot
<i>Possibility to install PCIe riser with x8 and x16 slot or x16 double width</i>	
Slot 8 PCIe-3 x16, max. 198mm @ CPU2	low-profile slot
Slot 7 PCIe-3 x8, max. 198mm @ CPU2	low-profile slot
<i>Preferred slot for 3rd modular RAID-Controller</i>	
Slot 5 PCIe-3 x8, max. 270mm @ CPU1	full-height slot
Slot 4 PCIe-3 x16, max. 270mm @ CPU1	full-height slot
Slot 3 PCIe-3 x24, max. 198mm @ CPU1	low-profile slot
<i>Possibility to install PCIe riser with x8 and x16 slot or x16 double width</i>	
Slot 2 PCIe-3 x8, max. 198mm @ CPU1	low-profile slot
<i>Preferred slot for 1st modular RAID-Controller</i>	
Slot 1 PCIe-3 x8, max. 198mm @ CPU1	low-profile slot
<i>Preferred slot for 2nd modular RAID-Controller</i>	

G

Chapter 7 - SAS / RAID Controller

F for combination and max number of controllers please see folder base / chassis

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, included

internal HBA and RAID controller, no 2nd Level cache

internal drive RAID / HBA controllers for SAS, SATA HDD or SSD drives					
PRAID CP400i RAID Contr.	No Cache	RAID 0, 1, 1E, 10, 5, 50	3x	S26361-F3842-E1	S26361-F3842-L501
PSAS CP400i HBA SAS Contr.	No Cache	HBA + RAID 0, 1	3x	S26361-F3842-E2	S26361-F3842-L502
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, supports up to 8 devices without expander (PRAID CP400i: no expander support) requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3008					
internal drive RAID / HBA controllers for SAS, SATA HDD or SSD drives					
PRAID CP500i RAID Contr.	No Cache	RAID 0, 1, 10, 5, 50	3x	S26361-F5791-E251	S26361-F5791-L551
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 SAS3408					
PSAS CP503i HBA SAS Contr.	No Cache	HBA, no RAID	3x	S26361-F5792-E253	S26361-F5792-L553
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 SAS3408; IT FW stack without RAID functionality					
PSAS CP503i HBA SAS Contr. for vSAN	No Cache	HBA, no RAID	3x	S26361-F5792-E254	S26361-F5792-L554
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 SAS3408; IT FW stack without RAID functionality; released for VMWare vSAN / vSphere in V104 (only combined with S26361-F2495-E108), V112, V216, V308, V408 (upgrade option S26361-F2495-E416 allowed),					

internal drive RAID / HBA controllers for SAS, SATA HDD or SSD drives					
PSAS CP 2100-8i LP for MS HCI	No Cache	HBA + RAID 1	1x	S26361-F5888-E201	-
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; released for Azure Stack HCI / Storage Spaces Direct (Windows) in V112 / V424 / V951 / V952 in case of V112 / V424, TPM (S26361-F3552-E100) must be ordered together					
Attention: only applicable in -V112 / V424 / V951 / V952					
PSAS CP 2100-8i LP	No Cache	HBA + RAID 0, 1, 10, 5	3x	S26361-F5888-E202	S26361-F5888-L502
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, supports up to 8 drives without expander requires 1x LP PCIe 3.0 x8 (int.) slot					

- PSAS CP503i for LTO / CP503i for vSAN / CP500e and PSAS CP400i for LTO / CP400i cannot be mixed**
- PRAID CP500i and PRAID EP520i / EP540i / EP580i cannot be mixed**
- PRAID EP640i / EP680i / EP680e and PRAID CP400i / EP400i / EP420i / EP420i for SafeStore cannot be mixed**
- PSAS CP 2100-8i and PSAS CP400i for LTO / CP400i / PSAS CP503i for LTO / CP503i / CP503i for vSAN / CP500e / PRAID CP400i / EP400i / EP420i for SafeStore / PRAID CP500i / EP640i / EP680i / EP520i / EP540i / EP580i / EP680e / EP540e cannot be mixed**

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	3x	S26361-F5243-E11	S26361-F5243-L11
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 @Broadcom: SSD-cache-based HDD acceleration			3x	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		3x	S26361-F5243-E100	S26361-F5243-L100
FBU Option for PRAID EP4xx:	Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length		2x	S26361-F5243-E155	S26361-F5243-L115
PRAID EP420i RAID Contr.	2GB Cache	RAID 0,1,1E,10,5,50,6,60	3x	S26361-F5243-E12	S26361-F5243-L12
PRAID EP420i for SafeStore R. Co	2GB Cache	RAID 0,1,1E,10,5,50,6,60	3x	S26361-F5243-E14*	S26361-F5243-L14*
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 @Broadcom: SSD-cache-based HDD acceleration			3x	S26361-F5243-E670	S26361-F5243-L670
optional TFM module and Flash Backup Unit (FBU), both components required					
TFM module for 2GB Cache	NV-RAM & FBU control logic		3x	S26361-F5243-E200	S26361-F5243-L200
FBU Option for PRAID EP4xx:	Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length		2x	S26361-F5243-E155	S26361-F5243-L115

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

internal RAID controllers for SAS, SATA HDD or SSD drives					
PRAID EP640i LP available from 2023	4GB Cache	RAID 0, 1, 10, 5, 50, 6, 60	3x	S26361-F5795-E204	S26361-F5795-L504
only for APAC market					
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, supports up to 8 drives without expander includes Fastpath and SafeStore Advanced SW-Licence requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3908					
PRAID EP680i LP	8GB Cache	RAID 0, 1, 10, 5, 50, 6, 60	2x	S26361-F5790-E218	S26361-F5790-L518
16 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, without expander, up to 16 SAS/SATA drives or in mixed configuration up to 8 SAS/SATA drives and with the remaining 8 ports 8Gb/s NVMe PCIe, up to 2 x4 NVMe drives are supported. (the configuration for 4 x4 NVMe drives requires a different order number, please see below) includes FastPath and SafeStore Advanced SW-Licence, CacheCade is no longer supported requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3916					
optional Flash Backup Unit (FBU), Transportable Flash module (TFM) is already included					
FBU Option for PRAID EP5xx / EP6xx:	Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length		2x	S26361-F4042-E155	S26361-F4042-L110
internal RAID controllers for PCIe SSD drives available from 2023/01					
PRAID EP680i NVMe LP	8GB Cache	RAID 0, 1, 10, 5, 50, 6, 60	3x	S26361-F5790-E238	-
only for APAC market					
16 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, for Chassis Variant -V884 up to 4 x4 NVMe drives are supported. (the configuration for SAS/SATA only or mixed with up to 2 x4 NVMe drives require a different order number, please see above) includes FastPath and SafeStore Advanced SW-Licence, CacheCade is no longer supported requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3916 (FYI: S26361-F5790-E218 and E238 are identical products. The 2nd Order number was only introduced for explicit ordering and cabling)					

Internal drive RAID / SAS controllers for NVMe and SAS, SATA HDD or SSD drives						
PRAID EP520i RAID Contr. LP	2GB Cache	RAID 0,1,1E,10,5,50,6,60	3x	S26361-F4042-E202	S26361-F4042-L502	
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, supports up to 8 devices without expander (NVMe support for EP520i on special release for this controller in this system) includes Fastpath and SafeStore Advanced SW-Licence requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3516						
PRAID EP540i RAID LP	4GB Cache	RAID 0,1,1E,10,5,50,6,60	2x	S26361-F4042-E204	S26361-F4042-L504	
PRAID EP580i RAID LP	8GB Cache	RAID 0,1,1E,10,5,50,6,60	2x	S26361-F4042-E208	S26361-F4042-L508	
16 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, based on LSI SAS3516, without expander, up to 16 SAS/SATA devices or in mixed configuration up to 8 SAS/SATA devices and with the remaining 8 ports 8Gb/s NVMe PCIe, up to 2 x4 NVMe devices are supported. (the configuration for 4 x 4 NVMe drives require a different order number, please see below) includes FastPath and SafeStore Advanced SW-Licence, CacheCade is no longer supported requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3516 (FYI: S26361-F4042-E214 and E224, S26361-F4042-E208 and E228 are identical products. The 2nd Order number was only introduced)						
PRAID EP540i RAID NVMe LP	4GB Cache	RAID 0,1,1E,10,5,50,6,60	3x	S26361-F4042-E224	S26361-F4042-L504	
PRAID EP580i RAID NVMe LP	8GB Cache	RAID 0,1,1E,10,5,50,6,60	3x	S26361-F4042-E228	S26361-F4042-L508	
16 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, based on LSI SAS3516, for Chassis Variant -V884 up to 4 x4 NVMe devices are supported. (the configuration for SAS/SATA only or mixed with up to 2 x 4 NVMe drives require a different order number, please see above) includes FastPath and SafeStore Advanced SW-Licence, CacheCade is no longer supported requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3516 (FYI: S26361-F4042-E214 and E224, S26361-F4042-E208 and E228 are identical products. The 2nd Order number was only introduced for explicit ordering and cabling)						
optional Flash Backup Unit (FBU), Transportable Flash module (TFM) is already included						
FBU Option for PRAID EP5xx / EP6xx:	Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length			2x	S26361-F4042-E155	S26361-F4042-L110

base unit -V884: PRAID EP540/80i and PRAID EP540/80i NVMe, PRAID EP680i and PRAID EP680i NVMe
up to 3x PRAID EP540/80i NVMe for Hardware-RAID for up to 3x 4 NVMe drives, all other base units can use PRAID EP540/80i for SAS,SATA and up to 2 NVMe drives
both numbers are identical hardware but allow to select dedicated usecase during ordering

maximum number of internal RAID + HBA (See also pictures on folder base / HDD cage):
standard config: max. 1
for -V216 only: max. 2x all HBA and RAID controller (mirrored mode)
for -V238 only: max. 3x all HBA and RAID controller (triple mode) except PRAID CP500i but max. 2x EP540/80i
for -V884 only: max. 4x = max. 3x NVMe by PRAID EP540/80i + additional PSAS CPxxx, PRAID EP520i or PRAID EP540/80i for SAS/SATA
for -V884 only: PRAID CP400i or EP4x0i for SAS/SATA not allowed

FBU cannot be combined with Advanced Thermal design.
up to 2x FBU can be integrated per System
for PRAID EP540i / 80i, PRAID EP680i and NVMe drives, no FBU is allowed (performance)
for PRAID EP540i / 80i and NVMe drives, RHEL 7.5 is not supported

Expander configurations: Use PRAID EPxxx for optimal performance,

Advanced SW options:
simultaneous operation of SafeStore or CacheCade + FastPath or is supported,
simultaneous operation of Safestore + CacheCade is not supported
* It is strongly recommended to order SafeStore (SED) RAID controller with SED HDD or SSD devices for SafeStore (SED) functionality

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external SAS controller

HBA controller for ext. drives SAS, SATA HDD or SSD drives					
PSAS CP500e HBA SAS Contr. LP	No Cache	HBA, no RAID	2x	S26361-F5793-E251	S26361-F5793-L551
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, 2x SFF8644 (external Mini-SAS HD) requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3408					

external SAS, RAID controller with 2nd Level cache 4GB

RAID / SAS, SATA controllers for external drives with Cache and opt. Flash Backup Unit						
PRAID EP680e FH	8GB Cache	RAID 0, 1, 10, 5, 50, 6, 60	2x	S26361-F5794-E8	S26361-F5794-L508	
PRAID EP680e LP	8GB Cache	RAID 0, 1, 10, 5, 50, 6, 60	2x	S26361-F5794-E208	S26361-F5794-L508	
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/SSD, 2x SFF8644 (external Mini-SAS HD) includes Fastpath and SafeStore Advanced SW-Licence requires 1x FH or LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3916						
PRAID EP540e RAID Contr. I	4GB Cache	RAID 0,1,1E,10,5,50,6,60	2x	S26361-F4063-E4	S26361-F4063-L504	
PRAID EP540e RAID Contr. I	4GB Cache	RAID 0,1,1E,10,5,50,6,60	2x	S26361-F4063-E204	S26361-F4063-L504	
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, 2x SFF8644 (external Mini-SAS HD) 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 / EP6xx:	Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length			2x	S26361-F4042-E155	S26361-F4042-L110

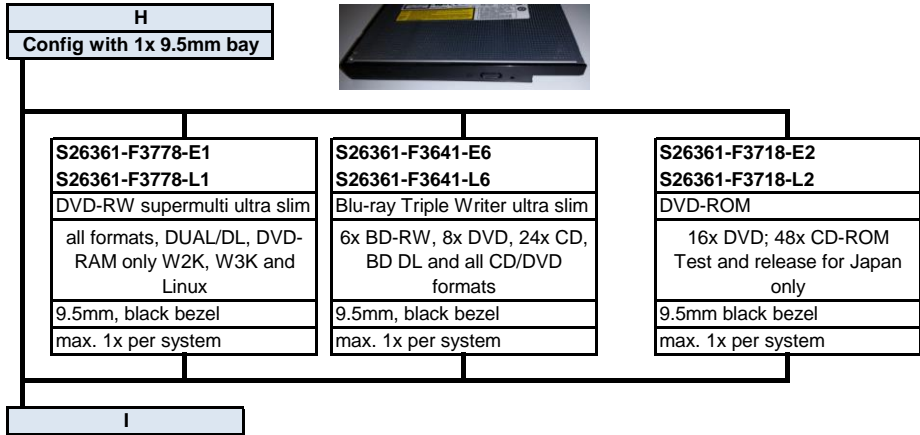
internal controllers for PCIe SSD SFF (2,5" NVMe PCIe) drives, no HW-RAID

retimer controller for internal 2.5" NVMe SSD PCIe SSD SFF (2,5" NVMe PCIe)					
PPCI CP x16 retimer	No Cache	No HW-RAID	3x	S26361-F4048-E201	S26361-F4048-L501
No HW RAID, No Cache, simple route-through incl. Signal enhancement; device management by INTEL VMD divides PCIe3.0 x16 lanes into 4x x4 lanes, supports up to 4x 2.5" PCIe-SSD SFF requires 1x LP PCIe 3.0 x16 (int.) slot					

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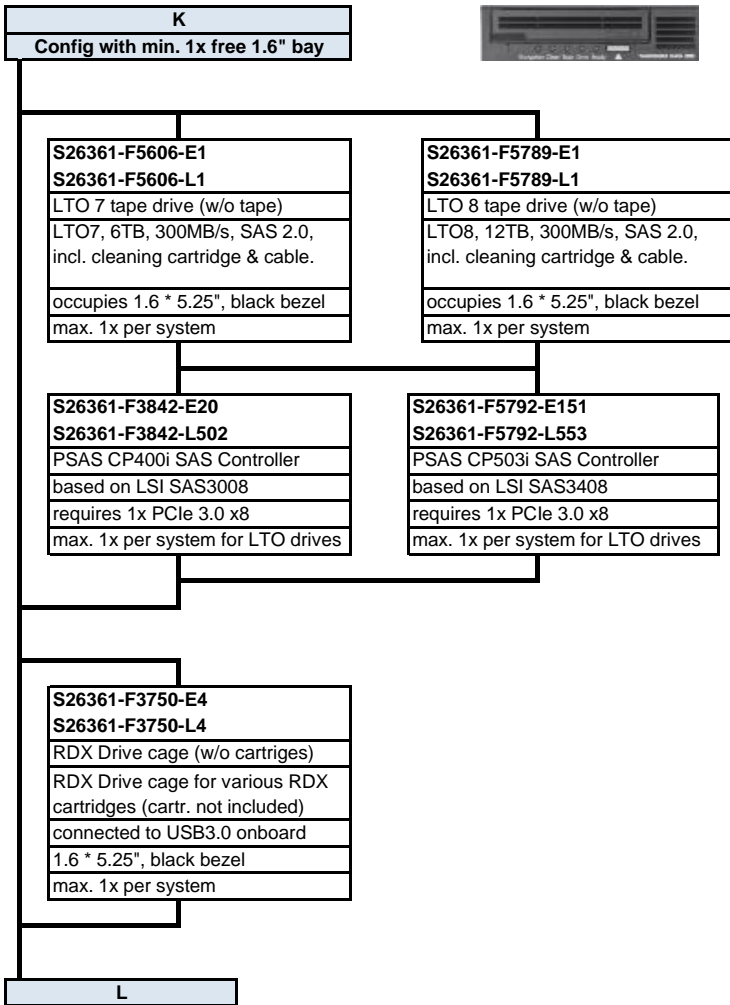
Chapter 8 - ODD optical disk drives

The base units with 12x 3.5" or 24x 2.5" HDD do not offer 1x 9.5mm optical drive bay!



Chapter 9 - backup drives

RX2540 M5 offers 1.6" bay for accessible drive for basic units with 8x or 16x 2.5" HDD only!



Cartridge	Order Code
RDX Cartridge 500GB	S26361-F3857-L500
RDX Cartridge 1TB	S26361-F3857-L600
RDX Cartridge 2TB	S26361-F3857-L700
RDX Cartridge 4TB	S26361-F3857-L900

Chapter 10 - storage drives

SAS drives and SATA drives can be mixed, but cannot be used in one logical RAID volume.
SATA drives can be connected to the onboard Controller (max. 8x),
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.
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 SAS Enterprise Drives / 7.2Krpm, SAS 12G .
Mission-Critical (MC)=SAS 10K and SAS 15K Enterprise Drives with max. performance and reliability.
Warranty:
SSD and SATA DOM have a built-in Wear-Out indicator. In this case the warranty for such a component, as an exception to the system warranty, is restricted to the time period until the indicator reaches the exhaust level.

2.5" (SFF) SAS and SATA SSD

SSD SAS 2.5" Write Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Seagate Nytro3732 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
400GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5865-E400	S26361-F5865-L400
800GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5865-E800	S26361-F5865-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5865-E160	S26361-F5865-L160
400GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	SED	S26361-F5866-E400	S26361-F5866-L400
800GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	SED	S26361-F5866-E800	S26361-F5866-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	SED	S26361-F5866-E160	S26361-F5866-L160

max. 28x - depending on base unit & configuration

as long as stock available

SSD SAS 2.5" Write Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Toshiba PM5-M drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
400GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5710-E400	S26361-F5710-L400
800GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5710-E800	S26361-F5710-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5710-E160	S26361-F5710-L160
400GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	SED	S26361-F5711-E400	S26361-F5711-L400
800GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	SED	S26361-F5711-E800	S26361-F5711-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	SED	S26361-F5711-E160	S26361-F5711-L160

max. 28x - depending on base unit & configuration

SSD SAS 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Seagate Nytro3532 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
800GB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5868-E800	S26361-F5868-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5868-E160	S26361-F5868-L160
3.2TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5868-E320	S26361-F5868-L320
6.4TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5868-E640	S26361-F5868-L640

max. 28x - depending on base unit & configuration

as long as stock available

SSD SAS 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Western Digital DC SS200 / SS530 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
400GB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5809-E400	S26361-F5809-L400
800GB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5809-E800	S26361-F5809-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5809-E160	S26361-F5809-L160
3.2TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	2,3		S26361-F5809-E320	S26361-F5809-L320

max. 28x - depending on base unit & configuration

as long as stock available

SSD SAS 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Western Digital DC SS530 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
400GB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5713-E400	S26361-F5713-L400
800GB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5713-E800	S26361-F5713-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5713-E160	S26361-F5713-L160
3.2TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5713-E320	S26361-F5713-L320
6.4TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5713-E640	S26361-F5713-L640

max. 28x - depending on base unit & configuration

SSD SAS 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Seagate Nytro3332 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
960GB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5870-E960	S26361-F5870-L960
1.92TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5870-E192	S26361-F5870-L192
3.84TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5870-E384	S26361-F5870-L384
7.68TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5870-E768	S26361-F5870-L768
15.36TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5870-E153	S26361-F5870-L153
max. 28x - depending on base unit & configuration							

as long as stock available

SSD SAS 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Western Digital DC SS200 / SS530 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
480GB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5811-E480	S26361-F5811-L480
960GB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5811-E960	S26361-F5811-L960
1.92TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5811-E192	S26361-F5811-L192
3.84TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5811-E384	S26361-F5811-L384
7.68TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	0,9		S26361-F5811-E768	S26361-F5811-L768
max. 28x - depending on base unit & configuration							

as long as stock available

SSD SAS 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Western Digital DC S5530 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
480GB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5715-E480	S26361-F5715-L480
960GB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5715-E960	S26361-F5715-L960
1.92TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5715-E192	S26361-F5715-L192
3.84TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5715-E384	S26361-F5715-L384
7.68TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5715-E768	S26361-F5715-L768
15.36TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5715-E153	S26361-F5715-L153
max. 28x - depending on base unit & configuration							

SSD SATA 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Micron 5300 MAX drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		S26361-F5776-E240	S26361-F5776-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		S26361-F5776-E480	S26361-F5776-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		S26361-F5776-E960	S26361-F5776-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		S26361-F5776-E192	S26361-F5776-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,5		S26361-F5776-E384	S26361-F5776-L384
max. 28x - depending on base unit & configuration							

SSD SATA 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Samsung PM897 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5938-E480	S26361-F5938-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5938-E960	S26361-F5938-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5938-E192	S26361-F5938-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5938-E384	S26361-F5938-L384
max. 28x - depending on base unit & configuration							

SSD SATA 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Samsung SM883 drives							
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-F5733-E240	S26361-F5733-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5733-E480	S26361-F5733-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5733-E960	S26361-F5733-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5733-E192	S26361-F5733-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5588-E384	S26361-F5588-L384
max. 28x - depending on base unit & configuration							

SSD SATA 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Micron 5300 PRO drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		S26361-F5783-E240	S26361-F5783-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		S26361-F5783-E480	S26361-F5783-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		S26361-F5783-E960	S26361-F5783-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		S26361-F5783-E192	S26361-F5783-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,2		S26361-F5783-E384	S26361-F5783-L384
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,6		S26361-F5783-E768	S26361-F5783-L768

max. 28x - depending on base unit & configuration

SSD SATA 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Samsung PM893 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5946-E240	S26361-F5946-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5946-E480	S26361-F5946-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5946-E960	S26361-F5946-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5946-E192	S26361-F5946-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5946-E384	S26361-F5946-L384
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5946-E768	S26361-F5946-L768

max. 28x - depending on base unit & configuration

EMEIA only

SSD SATA 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Samsung PM883 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5802-E240	S26361-F5802-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5802-E480	S26361-F5802-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5802-E960	S26361-F5802-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5802-E192	S26361-F5802-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5802-E384	S26361-F5802-L384
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5802-E768	S26361-F5802-L768

max. 28x - depending on base unit & configuration

as long as stock available

SSD SATA 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Micron 5100 PRO or 5200 ECO * 240GB is 5100, others are 5200							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,4		S26361-F5701-E240	S26361-F5701-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,9		S26361-F5701-E480	S26361-F5701-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,9		S26361-F5701-E960	S26361-F5701-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,9		S26361-F5701-E192	S26361-F5701-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5701-E384	S26361-F5701-L384
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,5		S26361-F5701-E768	S26361-F5701-L768

max. 28x - depending on base unit & configuration

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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-F5727-E530	S26361-F5727-L530
600GB	15 000	SAS 12Gb/s	512n		S26361-F5727-E560	S26361-F5727-L560
900GB	15 000	SAS 12Gb/s	512n		S26361-F5531-E590	S26361-F5531-L590

max. 28x - 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-F5729-E130	S26361-F5729-L130
600GB	10 000	SAS 12Gb/s	512n		S26361-F5729-E160	S26361-F5729-L160
900GB	10 000	SAS 12Gb/s	512n		S26361-F5729-E190	S26361-F5729-L190
1.2TB	10 000	SAS 12Gb/s	512n		S26361-F5729-E112	S26361-F5729-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. 28x - depending on base unit & configuration

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

Capacity	RPM	Interface	Sector		order code E-part	order code L-part
600GB	10 000	SAS 12Gb/s	512e		S26361-F5730-E160	S26361-F5730-L160
900GB	10 000	SAS 12Gb/s	512e		S26361-F5730-E190	S26361-F5730-L190
1.2TB	10 000	SAS 12Gb/s	512e		S26361-F5730-E112	S26361-F5730-L112
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
1.8TB	10 000	SAS 12Gb/s	512e	SED	S26361-F5582-E118	S26361-F5582-L118
2.4TB	10 000	SAS 12Gb/s	512e	SED	S26361-F5582-E124	S26361-F5582-L124

max. 28x - depending on base unit & configuration

HDD SAS 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	SAS 12Gb/s	512n		S26361-F5600-E100	S26361-F5600-L100
2TB	7 200	SAS 12Gb/s	512n		S26361-F5600-E200	S26361-F5600-L200

max. 28x - 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. 28x - depending on base unit & configuration

The HDDs not released with PRAID EP5x0i (S26361-F4042-E202/E204/E208)

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. 28x - depending on base unit & configuration

3.5" (LFF) SAS and SATA SSD

SSD SAS 3.5" Write Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Seagate Nytro3732 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
400GB	3.5" (LFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5864-E400	S26361-F5864-L400
800GB	3.5" (LFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5864-E800	S26361-F5864-L800
1.6TB	3.5" (LFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5864-E160	S26361-F5864-L160

max. 12x - depending on base unit & configuration

as long as stock available

SSD SAS 3.5" Write Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Toshiba PM5-M drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
400GB	3.5" (LFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5709-E400	S26361-F5709-L400
800GB	3.5" (LFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5709-E800	S26361-F5709-L800
1.6TB	3.5" (LFF)	SAS 12Gb/s	Write Intensive	10		S26361-F5709-E160	S26361-F5709-L160

max. 12x - depending on base unit & configuration

SSD SAS 3.5" Mixed Use (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Seagate Nytro3532 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
800GB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5867-E800	S26361-F5867-L800
1.6TB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5867-E160	S26361-F5867-L160
3.2TB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5867-E320	S26361-F5867-L320

max. 12x - depending on base unit & configuration

as long as stock available

SSD SAS 3.5" Mixed Use (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Western Digital DC SS200 / SS530 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
400GB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5808-E400	S26361-F5808-L400
800GB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5808-E800	S26361-F5808-L800
1.6TB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5808-E160	S26361-F5808-L160
3.2TB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	2.3		S26361-F5808-E320	S26361-F5808-L320

max. 12x - depending on base unit & configuration

as long as stock available

SSD SAS 3.5" Mixed Use (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Western Digital DC SS530 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
400GB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5712-E400	S26361-F5712-L400
800GB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5712-E800	S26361-F5712-L800
1.6TB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5712-E160	S26361-F5712-L160
3.2TB	3.5" (LFF)	SAS 12Gb/s	Mixed Use	3		S26361-F5712-E320	S26361-F5712-L320

max. 12x - depending on base unit & configuration

SSD SAS 3.5" Read Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Seagate Nytro3332 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
960GB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5869-E960	S26361-F5869-L960
1.92TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5869-E192	S26361-F5869-L192
3.84TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5869-E384	S26361-F5869-L384
7.68TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5869-E768	S26361-F5869-L768

max. 12x - depending on base unit & configuration

as long as stock available

SSD SAS 3.5" Read Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Western Digital DC SS200 / SS530 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
480GB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5810-E480	S26361-F5810-L480
960GB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5810-E960	S26361-F5810-L960
1.92TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5810-E192	S26361-F5810-L192
3.84TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5810-E384	S26361-F5810-L384
7.68TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5810-E768	S26361-F5810-L768

max. 12x - depending on base unit & configuration

as long as stock available

SSD SAS 3.5" Read Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Western Digital DC SS530 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
480GB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5714-E480	S26361-F5714-L480
960GB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5714-E960	S26361-F5714-L960
1.92TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5714-E192	S26361-F5714-L192
3.84TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5714-E384	S26361-F5714-L384
7.68TB	3.5" (LFF)	SAS 12Gb/s	Read Intensive	1		S26361-F5714-E768	S26361-F5714-L768

max. 12x - depending on base unit & configuration

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SSD SATA 3.5" Mixed Use (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Micron 5300 MAX drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		S26361-F5775-E240	S26361-F5775-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		S26361-F5775-E480	S26361-F5775-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		S26361-F5775-E960	S26361-F5775-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	5,0		S26361-F5775-E192	S26361-F5775-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,5		S26361-F5775-E384	S26361-F5775-L384

max. 12x - depending on base unit & configuration

SSD SATA 3.5" Mixed Use (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Samsung PM897 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
480GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5937-E480	S26361-F5937-L480
960GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5937-E960	S26361-F5937-L960
1.92TB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5937-E192	S26361-F5937-L192
3.84TB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5937-E384	S26361-F5937-L384

max. 12x - depending on base unit & configuration

SSD SATA 3.5" Mixed Use (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Samsung SM883 drives							
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-F5732-E240	S26361-F5732-L240
480GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5732-E480	S26361-F5732-L480
960GB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5732-E960	S26361-F5732-L960
1.92TB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5732-E192	S26361-F5732-L192
3.84TB	3.5" (LFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5589-E384	S26361-F5589-L384

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							
based on Micron 5300 PRO drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		S26361-F5782-E240	S26361-F5782-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		S26361-F5782-E480	S26361-F5782-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		S26361-F5782-E960	S26361-F5782-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,5		S26361-F5782-E192	S26361-F5782-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	1,2		S26361-F5782-E384	S26361-F5782-L384
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,6		S26361-F5782-E768	S26361-F5782-L768

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							
based on Samsung PM893 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5945-E240	S26361-F5945-L240
480GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5945-E480	S26361-F5945-L480
960GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5945-E960	S26361-F5945-L960
1.92TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5945-E192	S26361-F5945-L192
3.84TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5945-E384	S26361-F5945-L384
7.68TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5945-E768	S26361-F5945-L768

max. 12x - depending on base unit & configuration

EMEA only

SSD SATA 3.5" Read Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Samsung PM883 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5801-E240	S26361-F5801-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5801-E480	S26361-F5801-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5801-E960	S26361-F5801-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5801-E192	S26361-F5801-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5801-E384	S26361-F5801-L384
7.68TB	2.5" (SFF)	SATA 6Gb/s	Read Intensive	0,7		S26361-F5801-E768	S26361-F5801-L768

max. 12x - depending on base unit & configuration

as long as stock available

SSD SATA 3.5" Read Intensive (LFF) 2.5" SSD Enterprise with 3.5" hot plug/hot replace tray							
based on Micron 5100 PRO or 5200 ECO * 240GB is 5100, others are 5200							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
240GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,4		S26361-F5700-E240	S26361-F5700-L240
480GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	0,9		S26361-F5700-E480	S26361-F5700-L480
960GB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	0,9		S26361-F5700-E960	S26361-F5700-L960
1.92TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	0,9		S26361-F5700-E192	S26361-F5700-L192
3.84TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	1,0		S26361-F5700-E384	S26361-F5700-L384
7.68TB	3.5" (LFF)	SATA 6Gb/s	Read Intensive	0,5		S26361-F5700-E768	S26361-F5700-L768

max. 12x - depending on base unit & configuration

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-F5726-E530	S26361-F5726-L530	
600GB	15 000	SAS 12Gb/s	512n		S26361-F5726-E560	S26361-F5726-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-F5728-E130	S26361-F5728-L130	
600GB	10 000	SAS 12Gb/s	512n		S26361-F5728-E160	S26361-F5728-L160	
1.2TB	10 000	SAS 12Gb/s	512n		S26361-F5728-E112	S26361-F5728-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-F5731-E118	S26361-F5731-L118	
2.4TB	10 000	SAS 12Gb/s	512e		S26361-F5569-E124	S26361-F5569-L124	

max. 12x - depending on base unit & configuration

HDD SAS 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	SAS 12Gb/s	512n	as long as stock available	S26361-F5626-E100	S26361-F5626-L100	
2TB	7 200	SAS 12Gb/s	512n		S26361-F5626-E200	S26361-F5626-L200	
4TB	7 200	SAS 12Gb/s	512n		S26361-F5626-E400	S26361-F5626-L400	

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	
6TB	7 200	SAS 12Gb/s	512e		S26361-F5635-E600	S26361-F5635-L600	
8TB	7 200	SAS 12Gb/s	512e		S26361-F5635-E800	S26361-F5635-L800	
12TB	7 200	SAS 12Gb/s	512e		S26361-F5571-E120	S26361-F5571-L120	
14TB	7 200	SAS 12Gb/s	512e		S26361-F5571-E140	S26361-F5571-L140	
16TB	7 200	SAS 12Gb/s	512e		S26361-F5571-E160	S26361-F5571-L160	
18TB	7 200	SAS 12Gb/s	512e		S26361-F5571-E180	S26361-F5571-L180	
6TB	7 200	SAS 12Gb/s	512e	SED	S26361-F5584-E600	S26361-F5584-L600	
8TB	7 200	SAS 12Gb/s	512e	SED	S26361-F5584-E800	S26361-F5584-L800	
12TB	7 200	SAS 12Gb/s	512e	SED	S26361-F5624-E120	S26361-F5624-L120	
14TB	7 200	SAS 12Gb/s	512e	SED	S26361-F5624-E140	S26361-F5624-L140	
16TB	7 200	SAS 12Gb/s	512e	SED	S26361-F5624-E160	S26361-F5624-L160	
18TB	7 200	SAS 12Gb/s	512e	SED	S26361-F5624-E180	S26361-F5624-L180	

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-F5638-E800	S26361-F5638-L800	
12TB	7 200	SATA 6Gb/s	512e		S26361-F3904-E120	S26361-F3904-L120	
14TB	7 200	SATA 6Gb/s	512e		S26361-F3904-E140	S26361-F3904-L140	
16TB	7 200	SAS 12Gb/s	512e		S26361-F3904-E160	S26361-F3904-L160	
18TB	7 200	SAS 12Gb/s	512e		S26361-F3904-E180	S26361-F3904-L180	

max. 12x - depending on base unit & configuration

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M.2 SATA SSD

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

Capacity	Formfactor	Interface	DWPD	Category	order code E-part	order code L-part
240GB	M.2	SATA 6Gb/s	1,5	Boot	S26361-F5816-E240	S26361-F5816-L240
240GB	M.2	SATA 6Gb/s	1,4	Boot	\$ long as stock availab	S26361-F5707-E240
						S26361-F5707-L240

M.2 drive is designed for use as a VMware ESXi boot drive.

2x M.2 drive for any Hypervisor by the onboard chipset Software RAID is not supported.

max. 1x per Server; connector located on Motherboard (please see folder "description"). VMware ESXi is only supported.

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

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
240GB	M.2	SATA 6Gb/s	1,4	Boot	\$ long as stock availab	S26361-F5706-E240
						S26361-F5706-L240
480GB	M.2	SATA 6Gb/s	1,5	Boot	S26361-F5787-E480	S26361-F5787-L480
480GB	M.2	SATA 6Gb/s	1,4	Boot	\$ long as stock availab	S26361-F5706-E480
						S26361-F5706-L480

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.

Dual M.2

Dual microSD, PDUAL CP100, PDUAL CP200 and M.2 drive on Motherboard cannot be mixed

PDUAL CP200, dual M.2 for booting, non hot-plug

Capacity	Formfactor	Interface	Category	order code E-part	order code L-part
n/a	AIC	PCIe	Boot LP	S26361-F4065-E201	S26361-F4065-L501

PDUAL CP200 is a carrier 2x M.2 SATA modules and offers RAID1 with 2x M.2 modules.

PDUAL CP200 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 level : RAID1 only, 2x M.2 modules need to be ordered separately.

Supported M.2 Modules : SSD SATA M.2 240GB/480GB, and 240GB for VMware ESXi.

(S26361-F5706-E240/L240/E480/L480 or S26361-F5707-E240/L240 or S26361-F5787- E240/L240/E480/L480 or S26361-F5816-E240/L240)

max. 1x per Server, requires 2x SSD SATA M.2 drives.

Dual microSD, PDUAL CP100, PDUAL CP200 and M.2 drive on Motherboard cannot be mixed

PDUAL CP100, dual M.2 for booting, non hot-plug only for EMEA market

Capacity	Formfactor	Interface	Category	order code E-part	order code L-part
n/a	AIC	PCIe	Boot LP	S26361-F5966-E201	S26361-F5966-L501

PDUAL CP100 is a carrier 2x M.2 SATA modules and offers RAID1 with 2x M.2 modules.

PDUAL CP100 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 level : RAID1 only, 2x M.2 modules need to be ordered separately.

Supported M.2 Modules : SSD SATA M.2 240GB/480GB, and 240GB for VMware ESXi.

(S26361-F5787-E240/L240/E480/L480 or S26361-F5816-E240/L240)

Windows 2022 support:

For S26361-F5966-L501, Firmware Package 2.3.21.2009 or later is required. S26361-F5966-E201 is shipped with the required Firmware Package

To manage the CP100 in Windows 2022, iRMC 3.39P or later is required

max. 1x per Server, requires 2x SSD SATA M.2 drives.

Dual microSD

Dual microSD, PDUAL CP200 and M.2 drive cannot be mixed

Dual microSD Enterprise for booting, non hot-plug, for VMware ESXi

Capacity	Formfactor	Interface	Category	order code E-part	order code L-part
64GB	microSD	USB	Boot	S26361-F4045-E64	S26361-F4045-L64

Dual microSD is designed for use as a VMware ESXi boot drive. Only the standardly equipped microSD are supported.

Dual microSD offers Hardware-mirrored (RAID1) flash boot device for VMware ESXi, which cannot be supported by M.2.

vSAN can be booted in case ESXi host has 512 GB of memory or less. Even in case 512 GB or more, if vSAN is 6.5 or later, it can be booted by resizing the coredump partition on ESXi hosts. For more information, see the VMware knowledge base article at <http://kb.vmware.com/kb/2147881>.

max. 1x per Server; connector located on Motherboard (please see folder "description"). VMware ESXi is only supported.

System configurator and order information guide

2.5" (SFF) PCIe-SSD

2.5" PCIe-SSDs require a RAID Controller or PCIe retimer card.

RAID Controller : PRAID EP520i/540i/580i

PCIe retimer : PPCI CP x16 retimer

*hot plug support : supported excluding VMware

PCIe-SSD 2.5" P4800X (SFF) Enterprise with hot plug/hot replace tray							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
750GB	2.5" (SFF)	PCIe3.0 x4	-	30		S26361-F5719-E750	S26361-F5719-L750

max. 4x/8x/12x - depending on base unit & configuration

this SSD will be worked with PCIe3.0 due to server specification

PCIe-SSD 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Kioxia CM7-V drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
1.6TB	2.5" (SFF)	PCIe5.0 x4	Mixed Use	3			PY-BS16PDB
3.2TB	2.5" (SFF)	PCIe5.0 x4	Mixed Use	3			PY-BS32PDB
6.4TB	2.5" (SFF)	PCIe5.0 x4	Mixed Use	3			PY-BS64PDB
12.8TB	2.5" (SFF)	PCIe5.0 x4	Mixed Use	3			PY-BS12PDB

max. 4x/8x/12x - depending on base unit & configuration

this SSD will be worked with PCIe3.0 due to server specification

PCIe-SSD 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Kioxia CM6-V drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
1.6TB	2.5" (SFF)	PCIe4.0 x4	Mixed Use	3		S26361-F5904-E160	S26361-F5904-L160
3.2TB	2.5" (SFF)	PCIe4.0 x4	Mixed Use	3		S26361-F5904-E320	S26361-F5904-L320
6.4TB	2.5" (SFF)	PCIe4.0 x4	Mixed Use	3		S26361-F5904-E640	S26361-F5904-L640
12.8TB	2.5" (SFF)	PCIe4.0 x4	Mixed Use	3		S26361-F5904-E128	S26361-F5904-L128

max. 4x/8x/12x - depending on base unit & configuration

PCIe-SSD 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Intel DC P4610 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
1.6TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	4,1		S26361-F5737-E160	S26361-F5737-L160
3.2TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	3,7		S26361-F5737-E320	S26361-F5737-L320
6.4TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	3,1		S26361-F5737-E640	S26361-F5737-L640

max. 4x/8x/12x - depending on base unit & configuration

EOL

PCIe-SSD 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
based on Intel DC P4600 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
1.6TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	3,0		S26361-F5648-E160	S26361-F5648-L160
3.2TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	3,1		S26361-F5648-E320	S26361-F5648-L320
6.4TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	3,2		S26361-F5648-E640	S26361-F5648-L640

max. 4x/8x/12x - depending on base unit & configuration

this SSD will be worked with PCIe3.0 due to server specification

PCIe-SSD 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Kioxia CM7-R drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
1.92TB	2.5" (SFF)	PCIe5.0 x4	Read Intensive	1			PY-BS19PEA
3.84TB	2.5" (SFF)	PCIe5.0 x4	Read Intensive	1			PY-BS38PEA
7.68TB	2.5" (SFF)	PCIe5.0 x4	Read Intensive	1			PY-BS76PEA
15.36TB	2.5" (SFF)	PCIe5.0 x4	Read Intensive	1			PY-BS15PEB

max. 4x/8x/12x - depending on base unit & configuration

this SSD will be worked with PCIe3.0 due to server specification

PCIe-SSD 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Kioxia CM6-R drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
960GB	2.5" (SFF)	PCIe4.0 x4	Read Intensive	1		S26361-F5905-E960	S26361-F5905-L960
1.92TB	2.5" (SFF)	PCIe4.0 x4	Read Intensive	1		S26361-F5905-E192	S26361-F5905-L192
3.84TB	2.5" (SFF)	PCIe4.0 x4	Read Intensive	1		S26361-F5905-E384	S26361-F5905-L384
7.68TB	2.5" (SFF)	PCIe4.0 x4	Read Intensive	1		S26361-F5905-E768	S26361-F5905-L768
15.36TB	2.5" (SFF)	PCIe4.0 x4	Read Intensive	1		S26361-F5905-E153	S26361-F5905-L153

max. 4x/8x/12x - depending on base unit & configuration

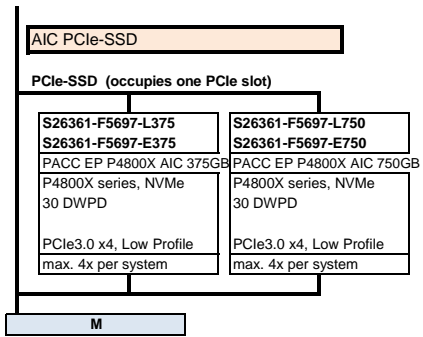
PCIe-SSD 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Intel DC P4510 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
1TB	2.5" (SFF)	PCIe3.0 x4	Read Intensive	1,0		S26361-F5738-E100	S26361-F5738-L100
2TB	2.5" (SFF)	PCIe3.0 x4	Read Intensive	0,7		S26361-F5738-E200	S26361-F5738-L200
4TB	2.5" (SFF)	PCIe3.0 x4	Read Intensive	0,8		S26361-F5738-E400	S26361-F5738-L400

max. 4x/8x/12x - depending on base unit & configuration

EOL

PCIe-SSD Low Power 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Intel DC P4501 drives							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
500GB	2.5" (SFF)	PCIe3.0 x4	Read Intensive	0,7		S26361-F5649-E50	S26361-F5649-L50
1TB	2.5" (SFF)	PCIe3.0 x4	Read Intensive	1,0		S26361-F5649-E100	S26361-F5649-L100
2TB	2.5" (SFF)	PCIe3.0 x4	Read Intensive	0,6		S26361-F5649-E200	S26361-F5649-L200
4TB	2.5" (SFF)	PCIe3.0 x4	Read Intensive	0,6		S26361-F5649-E400	S26361-F5649-L400

max. 4x/8x/12x - depending on base unit & configuration



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Chapter 11 - LAN Components

Default: 2x RJ45 1GbE ports on systemboard

DynamicLoM OCP PHY interface cards

Interface card to provide the external connectors for on-board LAN

PLAN EM 4x 1Gb T OCP interface Intel	4x RJ45 plug for 1000BASE-T	S26361-F3953-E401	S26361-F3953-L401
PLAN EM 2x 10Gb T OCP interface Intel	2x RJ45 plug for 10GBASE-T	S26361-F3953-E210	S26361-F3953-L210

max. 1x per system

Interface card to provide the external connectors for on-board LAN

PLAN EM 2x 10GB SFP+ OCP interface Intel	2x SFP+ cages for SFP+ optical transceivers or twinax cables	S26361-F3953-E211	S26361-F3953-L211
PLAN EM 4x 10GB SFP+ OCP interface Intel	4x SFP+ cages for SFP+ optical transceivers or twinax cables	S26361-F3953-E411	S26361-F3953-L411

Optional for products with SFP+ cages: SFP+ optical transceiver modules or twinax cables

SFP+ Optical Transceiver 10G/1G Dual Rate SR	2x .. 4x	LC, MMF / SR SFP+ module, up to 400m, Intel	S26361-F3986-E5	S26361-F3986-L5
SFP+ Optical Transceiver 10G/1G Dual Rate LR	2x .. 4x	LC, SMF / LR SFP+ module, up to 10km, Intel	S26361-F3986-E6	S26361-F3986-L6
SFP+ Optical Transceiver 10G Single Rate SR	2x .. 4x	LC, MMF / SR SFP+ module, up to 400m, Finisar	S26361-F3986-E3	S26361-F3986-L3
SFP+ Optical Transceiver 10G Single Rate LR	2x .. 4x	LC, SMF / LR SFP+ module, up to 10km, Finisar	S26361-F3986-E4	S26361-F3986-L4
"Virtual Connector" for DAC/AOC cables	2x .. 4x	Enablement for System Architect	V:TWX CONNECTOR-PY	
SFP+ active Twinax Cable Fujitsu	2x .. 4x	customized cable length	S26361-F3989-E600	see table at the bottom of this page
SFP+ active Twinax Cable Brocade	2x .. 4x	(best fitting cable length is defined during rack installation at the factory)	S26361-F3873-E500	
SFP+ passive Twinax Cable Cisco - Sold Out	2x .. 4x		S26361-F4571-E500	

max. 1x per cage
max. 1x per system

Intel QuickAssist Technology Adapters

Intel QuickAssist Technology Adapters

This PCIe x16 adapter card adds QuickAssist technology to systems with Intel C624 LBG-4 chipset implementations, in order to provide feature-parity with Intel C627 LBG-T chipsets. QuickAssist accelerates compression ~65Gb/s, encryption ~100Gb/s, and RSA ~100 Ops/s. The adapter ships without any kind of drivers, end customers are responsible to develop, provide them themselves, or download from Intel as soon as available. The adapter card does not implement any kind of Ethernet network functionality, except that it accelerates Ethernet traffic from either DynamicLoM or Intel Ethernet adapter cards.

PACC EP QAT8970 with Full Height bracket	2x	Intel QuickAssist Technology Adapter 8970 PCIe x16	S26361-F4062-E100	S26361-F4062-L500
PACC EP QAT8970 with Low Profile bracket	2x	Intel QuickAssist Technology Adapter 8970 PCIe x16	S26361-F4062-E200	

Submitting a formal Release Request in order to activate shipment may apply for the time being to confirm with requestor: ships without drivers.

max. 2 adapters per system

1Gb Ethernet network components

1Gb Ethernet network adapters with RJ45 interface (1000BASE-T)

Dual speed support, auto-sense: supports 1Gbps and 100Mbps line rate per-port.

PLAN AP 1x1Gbit Cu Intel I210-T1 (Retail)	4x	1 port, 1Gbit Intel	S26361-F5959-E1	S26361-F5959-L501
PLAN AP 1x1Gbit Cu Intel I210-T1 (Retail) LP	4x		S26361-F5959-E201	
PLAN CP 2x1Gbit Cu Intel I350-T2	4x	2 port, Intel	S26361-F4610-E2	S26361-F4610-L502
PLAN CP 2x1Gbit Cu Intel I350-T2 LP	4x		S26361-F4610-E202	
PLAN CP 4x1Gbit Cu Intel I350-T4	4x		S26361-F4610-E4	
PLAN CP 4x1Gbit Cu Intel I350-T4 LP	4x	4 port, Intel	S26361-F4610-E204	S26361-F4610-L504

max. 4 adapters per system

10Gb Ethernet network components

10GBASE-T

10Gb Ethernet network adapters with RJ45 interface (10GBASE-T)				
Dual speed support, auto-sense: supports 10Gbps and 1Gbps line rate per-port.				
PLAN EP X550-T2 2x10GBASE-T	4x	2 port NIC, Intel X550-T2	S26361-F3948-E2	S26361-F3948-L502
PLAN EP X550-T2 2x10GBASE-T LP	4x		S26361-F3948-E202	
PLAN EP X710-T2L 2X 10GBASE-T PCIe (Retail)	4x	2 port 10 Gbit Intel <i>*cannot be selected with Marvell QL411xx series.</i>	S26361-F5960-E2	S26361-F5960-L502
PLAN EP X710-T2L 2X 10GBASE-T PCIe (Retail) LP	4x		S26361-F5960-E202	
PLAN EP X710-T4 4x10GBASE-T	4x	4 port NIC, Intel X710-T4	S26361-F3948-E4	S26361-F3948-L504
PLAN EP X710-T4 4x10GBASE-T LP	4x	<i>*cannot be selected with Marvell QL411xx series.</i>	S26361-F3948-E204	
max. 8x adapters per system				

10G SFP+

10Gb Ethernet network adapters with SFP+ cage. Adapter ships with empty cages.				
Each cage consumes 1x optical SFP+ transceiver per port, or 1x twinax cable per port, or 1x DAC cable per port. Dual rate 10G/1G support requires 10G/1G Dual Rate SFP+ Optical Transceiver Modules. For Slot7, 8 and 9, X710-DA4 can support only 3 optical modules.				
PLAN EP X710-DA2 2x10Gb SFP+	4x	2 port NIC, Intel X710-DA2	S26361-F3640-E2	S26361-F3640-L502
PLAN EP X710-DA2 2x10Gb SFP+ LP	4x	<i>*cannot be selected with Marvell QL411xx series.</i>	S26361-F3640-E202	
PLAN EP X710-DA4 4x10Gb SFP+	4x	4 port NIC, Intel X710-DA4	S26361-F3640-E4	S26361-F3640-L504
PLAN EP X710-DA4 4x10Gb SFP+ LP	4x	<i>*cannot be selected with Marvell QL411xx series.</i>	S26361-F3640-E204	
Optional, 10Gb SFP+ optical transceiver module, one per cage				
SFP+ Optical Transceiver 10G Single Rate SR	1x .. 4x	LC, MMF / SR SFP+ module, up to 400m, Finisar	S26361-F3986-E3	S26361-F3986-L3
SFP+ Optical Transceiver 10G Single Rate LR	1x .. 4x	LC, SMF / LR SFP+ module, up to 10km, Finisar	S26361-F3986-E4	S26361-F3986-L4
SFP+ Optical Transceiver 10G/1G Dual Rate SR	1x .. 4x	LC, MMF / SR SFP+ module, up to 400m, Intel	S26361-F3986-E5	S26361-F3986-L5
SFP+ Optical Transceiver 10G/1G Dual Rate LR	1x .. 4x	LC, SMF / LR SFP+ module, up to 10km, Intel	S26361-F3986-E6	S26361-F3986-L6
"Virtual Connector" for Twinax cables	1x .. 4x	Enablement for System Architect	V:TWX CONNECTOR-PY	
SFP+ active Twinax Cable Fujitsu	1x .. 4x	Customized length. Best fitting length selected at rack	S26361-F3989-E600	see table at the
SFP+ active Twinax Cable Brocade	1x .. 4x	factory installation.	S26361-F3873-E500	bottom of this page
<i>Max. 4x SFP+, DAC, or Twinax Cable (DynamicLoM, QL41114, X710-DA4) per adapter, or max. 2x SFP+, DAC, or Twinax Cable (Dynamic LoM, QL4112, X710-DA2) per adapter</i>				
max. 8x adapters per system				

25/10Gb Ethernet network components

25/10Gb Ethernet network adapters with 2x SFP28 cages. Adapter ships with empty cages.				
Each cage consumes 1x optical SFP28 or SFP+ transceiver per port, or 1x twinax cable per port, or 1x DAC cable per port. Multiple speed support, auto-sense: All adapters support 25Gbps, and 10Gbps. Intel adapters support 1Gbps line rate per-port in addition, with the Intel-branded 10G/1G Dual Rate SFP+ Optical Transceiver Modules.				
PLAN EP MCX4-LX 25Gb 2p SFP28 FH	4x	2 port NIC with RoCE RDMA, Mellanox ConnectX4-LX	S26361-F4054-E2	S26361-F4054-L502
PLAN EP MCX4-LX 25Gb 2p SFP28 LP	6x	Mellanox ConnectX4-LX	S26361-F4054-E202	
PLAN EP XXV710-DA2 2x25Gb FH	4x	2 port NIC, Intel XXV710-DA2	S26361-F4055-E2	S26361-F4055-L502
PLAN EP XXV710-DA2 2x25Gb LP	6x	Intel XXV710-DA2	S26361-F4055-E202	
Optional, 25Gb SFP28 optical transceiver module, one per cage				
SFP28 Optical Transceiver 25G SR MMA2P00-AS LC	1x .. 2x	MMF / SR SFP28 module, Mellanox. Max reach supported 100m	S26361-F4054-E701	S26361-F4054-L701
SFP28 Optical Transceiver 25G SR E25GSFP28SR	1x .. 2x	MMF / SR SFP28 module, Intel. Max reach supported 100m	S26361-F4055-E701	S26361-F4055-L701
"Virtual Connector" for DAC/AOC cables	1x .. 2x	Enablement for System Architect	V:DAC/AOC-CONNECTOR-25	
25G DAC - Cisco	1x .. 2x	DAC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
25G DAC - Mellanox	1x .. 2x	DAC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
25G AOC - Cisco	1x .. 2x	AOC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
25G AOC - Mellanox	1x .. 2x	AOC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
<i>max. 2x SFP28 or DAC/AOC Cable per adapter</i>				
Optional Cisco Ethernet Direct Attach Copper Cables (DACs) - not introduced by Fujitsu; available for purchase at Cisco				
Cisco DAC Splitter Cable 100G to 4X25G, 1m	1x	Cisco 100GBase QSFP to 4xSFP25G Passive, 1m	Cisco P/N: QSFP-4SFP25G-CU1M	
Cisco DAC Splitter Cable 100G to 4X25G, 2m	1x	Cisco 100GBase QSFP to 4xSFP25G Passive, 2m	Cisco P/N: QSFP-4SFP25G-CU2M	
Cisco DAC Splitter Cable 100G to 4X25G, 3m	1x	Cisco 100GBase QSFP to 4xSFP25G Passive, 3m	Cisco P/N: QSFP-4SFP25G-CU3M	
<i>One Cisco DAC Splitter cable connects up to 4 25G ports, i.e. 2x PLAN EP QL45212 cards to a single Cisco 100G Switch Port.</i>				
Optional 10Gb SFP+ Optical Transceivers with LC Connector, or Active or Passive Twinax Cables SFP+				
SFP+ Optical Transceiver 10G Single Rate SR	2x	LC, MMF / SR SFP+ module, up to 400m	S26361-F3986-E3	S26361-F3986-L3
SFP+ Optical Transceiver 10G Single Rate LR	2x	LC, SMF / LR SFP+ module, up to 10km	S26361-F3986-E4	S26361-F3986-L4
SFP+ Optical Transceiver 10G/1G Dual Rate SR	1x .. 4x	LC, MMF / SR SFP+ module, up to 400m, Intel	S26361-F3986-E5	S26361-F3986-L5
SFP+ Optical Transceiver 10G/1G Dual Rate LR	1x .. 4x	LC, SMF / LR SFP+ module, up to 10km, Intel	S26361-F3986-E6	S26361-F3986-L6
"Virtual Connector" for Twinax cables	2x	Enablement for System Architect	V:TWX CONNECTOR-PY	
Amphenol Active Twinax Cable SFP+ for 10G, 2m	2x	Amphenol 10G Active Twinax Cable, 2m	S26361-F3989-E600	S26361-F3989 -L102
Amphenol Active Twinax Cable SFP+ for 10G, 5m	2x	Amphenol 10G Active Twinax Cable, 5m	Customized Cable Length	S26361-F3989 -L105
Amphenol Active Twinax Cable SFP+ for 10G, 10m	2x	Amphenol 10G Active Twinax Cable, 10m	Customized Cable Length	S26361-F3989 -L110
Brocade Active Twinax Cable SFP+ for 10G, 1m	2x	Brocade 10G Active Twinax Cable, 1m	S26361-F3873-E500	S26361-F3873-L501
Brocade Active Twinax Cable SFP+ for 10G, 3m	2x	Brocade 10G Active Twinax Cable, 3m	Customized Cable Length	S26361-F3873-L503
Brocade Active Twinax Cable SFP+ for 10G, 5m	2x	Brocade 10G Active Twinax Cable, 5m	Customized Cable Length	S26361-F3873-L505
Cisco Passive Twinax Cable SFP+ for 10G, 1m	2x	Cisco 10G Passive Twinax Cable, 1m	Cisco P/N for: S26361-F4571-L101	
Cisco Passive Twinax Cable SFP+ for 10G, 3m	2x	Cisco 10G Passive Twinax Cable, 3m	Cisco P/N for: S26361-F4571-L103	
Cisco Passive Twinax Cable SFP+ for 10G, 5m	2x	Cisco 10G Passive Twinax Cable, 5m	Cisco P/N for: S26361-F4571-L105	
Cisco Active Twinax Cable SFP+ for 10G, 7m	2x	Cisco 10G Active Twinax Cable, 7m	Cisco P/N for: S26361-F4571-L107	
Cisco Active Twinax Cable SFP+ for 10G, 10m	2x	Cisco 10G Active Twinax Cable, 10m	Cisco P/N for: S26361-F4571-L110	
<i>Max. 2x SFP+ or Twinax Cable per controller. Customized Cable Length means: best fitting cable length is defined during rack installation at the factory.</i>				
<i>max. 8x adapters per system</i>				

40/10Gb Ethernet network components

40Gb Ethernet controller with QSFP cage (requires DAC, AOC cables or optical transceiver QSFP modules)				
Supports 40Gbps line rate per-port				
PLAN EP MCX4-EN 40Gb 2p QSFP FH	4x	Dual Port NIC, RoCE RDMA, Mellanox ConnectX4-EN	S26361-F4053-E2	S26361-F4053-L502
PLAN EP MCX4-EN 40Gb 2p QSFP LP	4x	Mellanox ConnectX4-EN	S26361-F4053-E202	
Optional, 40Gb QSFP Optical Transceiver module				
QSFP 40G SR4L MPO 850nm 30m MC2210411-SR4L	2x	MMF / SR4L QSFP module, Mellanox. Max reach supported 30m	S26361-F4053-E701	S26361-F4053-L701
QSFP 40G SR4 MPO 850nm 150m MC2210411-SR4	2x	MMF / SR4 QSFP module, Mellanox. Max reach supported 150m	S26361-F4053-E702	S26361-F4053-L702
QSFP 40G SR4 MPO 850nm 150m MMA1B00-B150D	2x	MMF / SR4 QSFP module, Mellanox. Max reach supported 150m	S26361-F4053-E703	S26361-F4053-L703
"Virtual Connector" for DAC/AOC cables	2x	Enablement for System Architect	V:DAC/AOC-CONNECTOR-40	
40G DAC - Cisco	2x	DAC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.	V:DAC/AOC-CONNECTOR-40	
40G DAC - Mellanox	2x	DAC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
40G AOC - Cisco	2x	AOC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
40G AOC - Mellanox	2x	AOC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
<i>rmax. 2x QSFP or DAC, AOC per PLAN EP MCX4-EN 40Gb 2p QSFP</i>				
<i>max. 8x adapters per system</i>				

100Gb Ethernet network components

100Gb Ethernet controller with 1x QSFP28 cage (requires twinax cables or optical transceiver QSFP28 modules)				
Each cage consumes 1x optical QSFP28 transceiver per port, or 1x twinax cable per port, or 1x DAC cable per port. Multiple speed support, auto-sense on Cavium adapters only: 100Gbps, and with a Splitter DAC also 4X25Gbps, 4X10Gbps.				
Supports 100Gbps line rate				
PLAN EP MCX4-EN 100Gb 1p QSFP28 FH	4x	Single Port NIC, RoCE RDMA,	S26361-F4052-E1	S26361-F4052-L501
PLAN EP MCX4-EN 100Gb 1p QSFP28 LP	6x	Mellanox ConnectX4-EN	S26361-F4052-E201	
Optional, 100Gb QSFP28 Optical Transceiver module				
QSFP28 100G SR4 MPO 850nm 100m MMA1B00-C100D	1x	MMF / SR4 QSFP28 module, Mellanox. Max reach supported 100m	S26361-F4052-E701	S26361-F4052-L701
QSFP28 100G PSM4 1310nm 500m MMS1C10-CM	1x	MMF / SR QSFP28 module, Mellanox. Max reach supported 500m	S26361-F4052-E801	S26361-F4052-L801
"Virtual Connector" for DAC/AOC cables	1x	Enablement for System Architect	V:DAC/AOC-CONNECTOR-100	
100G DAC - Cisco	1x	DAC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
100G DAC - Mellanox	1x	DAC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
100G AOC - Cisco	1x	AOC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
100G AOC - Mellanox	1x	AOC are not in Fujitsu's portfolio yet. Thus, purchase from switch vendors.		
<i>Max. 1x QSFP28 or DAC/AOC Cable per adapter</i>				
max. 8x adapters per system				

Q
Q

Network cables for later upgrade

Fujitsu active SFP+ Twinax 10Gb cable	
SFP+ active Twinax Cable Fujitsu 2m	S26361-F3989-L102
SFP+ active Twinax Cable Fujitsu 5m	S26361-F3989-L105
SFP+ active Twinax Cable Fujitsu 10m	S26361-F3989-L110
Brocade active SFP+ Twinax 10Gb cable	
SFP+ active Twinax Cable Brocade 1m	S26361-F3873-L501
SFP+ active Twinax Cable Brocade 3m	S26361-F3873-L503
SFP+ active Twinax Cable Brocade 5m	S26361-F3873-L505

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Chapter 12 - Fibre Channel Controller

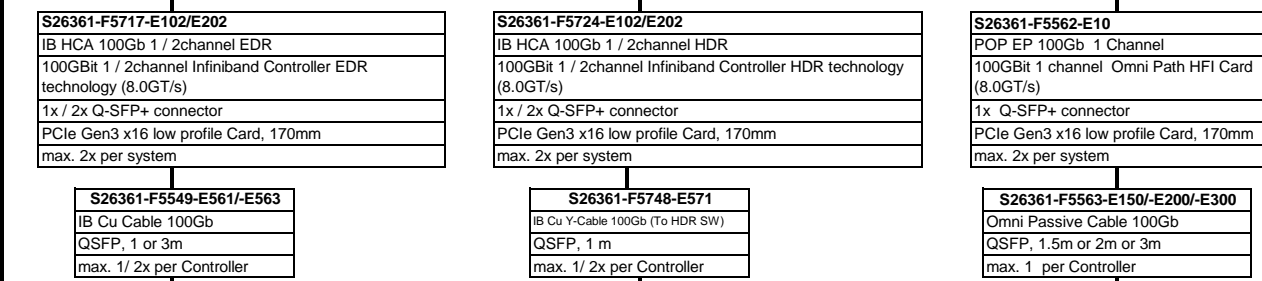
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32Gb Fibre Channel adapter with LC interface for 50µm optical cables (OM4 or OM3)				
These components ship with optical transceiver modules equipped for all ports. Supported line rates: 32, 16, and 8Gbps.				
PFC EP LPe32000 1x 32Gb	4x	1 port, full height, Broadcom Emulex®	S26361-F4044-E1	S26361-F4044-L501
PFC EP LPe32000 1x 32Gb LP	6x	1 port, low profile, Broadcom Emulex®	S26361-F4044-E201	
PFC EP LPe32002 2x 32Gb	4x	2 port, full height, Broadcom Emulex®	S26361-F4044-E2	S26361-F4044-L502
PFC EP LPe32002 2x 32Gb LP	6x	2 port, low profile, Broadcom Emulex®	S26361-F4044-E202	
PFC EP QLE2740 1x 32Gb	4x	1 port, full height, Marvell Qlogic®	S26361-F4043-E1	S26361-F4043-L501
PFC EP QLE2740 1x 32Gb LP	6x	1 port, low profile, Marvell Qlogic®	S26361-F4043-E201	
PFC EP QLE2742 2x 32Gb	4x	2 port, full height, Marvell Qlogic®	S26361-F4043-E2	S26361-F4043-L502
PFC EP QLE2742 2x 32Gb LP	6x	2 port, low profile, Marvell Qlogic®	S26361-F4043-E202	
16Gb Fibre Channel adapter with LC interface for 50µm optical cables (OM4 or OM3)				
These components ship with optical transceiver modules equipped for all ports. Supported line rates: 16, 8, and 4Gbps.				
PFC EP LPe31000 1x 16Gb	4x	1 port, full height, Broadcom Emulex®	S26361-F5596-E1	S26361-F5596-L501
PFC EP LPe31000 1x 16Gb LP	6x	1 port, low profile, Broadcom Emulex®	S26361-F5596-E201	
PFC EP LPe31002 2x 16Gb	4x	2 port, full height, Broadcom Emulex®	S26361-F5596-E2	S26361-F5596-L502
PFC EP LPe31002 2x 16Gb LP	6x	2 port, low profile, Broadcom Emulex®	S26361-F5596-E202	
PFC EP QLE2690 1x 16Gb	4x	1 port, full height, Marvell Qlogic®	S26361-F5580-E1	S26361-F5580-L501
PFC EP QLE2690 1x 16Gb LP	6x	1 port, low profile, Marvell Qlogic®	S26361-F5580-E201	
PFC EP QLE2692 2x 16Gb	4x	2 port, full height, Marvell Qlogic®	S26361-F5580-E2	S26361-F5580-L502
PFC EP QLE2692 2x 16Gb LP	6x	2 port, low profile, Marvell Qlogic®	S26361-F5580-E202	
max. 7 Controller per system (mixed configurations are supported)				

Chapter 13 - Infiniband Controllers

Max. 2x Omni Path Card per System (configuration of different Controllers NOT supported)

Max. 2x IB Controller per System (configuration of different Controllers NOT supported)



The following card can not be mixed Infiniband card(S26361-F5717-E102/E202)
S26361-F4054-E302/S26361-F4052-E201/S26361-F4052-E1/S26361-F4053-E2/S26361-F4053-E202

The following card can not be mixed Infiniband card(S26361-F5724-E102/E202)
S26361-F4054-E302/S26361-F4052-E201/S26361-F4052-E1/S26361-F4053-E2/S26361-F4053-E202

The following card can not be mixed with Infiniband card(S26361-F5562-E10)
S26361-F4054-E302/S26361-F4052-E201/S26361-F4052-E1/S26361-F4053-E2/S26361-F4053-E202

Network Components, Controller and cables for later upgrade

100Gbit/s 1ch Infiniband Controller	S26361-F5717-L102
100Gbit/s 2ch Infiniband Controller	S26361-F5717-L202
QSFP, IB 100Gb, 1m	S26361-F5549-L561
QSFP, IB 100Gb, 3m	S26361-F5549-L563
Omni Path	
100Gbit/s 1ch Omni Path HFI Card	S26361-F5562-L10
QSFP, Omni 100Gb, 1.5m	S26361-F5563-L150
QSFP, Omni 100Gb, 2m	S26361-F5563-L200
QSFP, Omni 100Gb, 3m	S26361-F5563-L300

L

Chapter 14 - Power supply unit, power cable, certifications, region kits

M				
Power supply unit				
modular redundant Power Supply				
2nd PSU for redundancy				
occupies hot plug PSU slot, min. 1 / max. 2x per system				
input nominal voltage (AC): 100V-240V, max: 90V-264V; input dropout 10ms/100% load, 47Hz-63Hz				
450W platinum PSU	94% eff.		S26113-F575-E13	S26113-F575-L13
800W platinum PSU	94% eff.		S26113-F574-E13	S26113-F574-L13
800W titanium PSU	96% eff.	nom. 220-240V, max. 180-264V	S26113-F615-E10	S26113-F615-L10
1200W platinum PSU	94% eff.	100V: 1000W, 90V: 900W	S26113-F616-E10	S26113-F616-L10
DC PSU				
800W PSU DC	92% eff.	48V DC, powercord see below	S26113-F624-E10	S26113-F624-L10
1300W PSU HVDC	94% eff.	380V DC as soon as available , powercord: PRIMERGY-PM	S26113-F626-E10	S26113-F626-L10
Dummy module instead PSU				
Dummy module for closing the 2nd PSU hole, in case only 1 PSU is equipped, max. 1x per system			S26113-F574-E99	

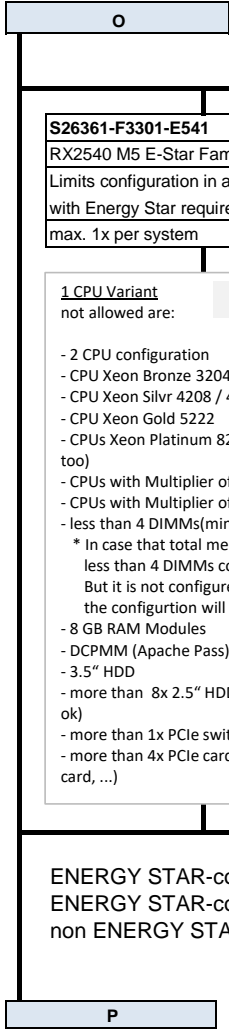
Power cord option for Rack Server, 1x per PSU				
Cable powercord rack, 1.8m, black, IEC 320 C14 -> C13 (10A plug)			T26139-Y1968-E180	T26139-Y1968-L180
Cable powercord rack, 2.5m, black, IEC 320 C14 -> C13 (10A plug)			T26139-Y1968-E250	T26139-Y1968-L250
Cable powercord rack, 4m, black, IEC 320 C14 -> C13 (10A plug)			T26139-Y1968-E100	T26139-Y1968-L10
Cable powercord (USA) 15A, 1.8m, black, NEMA 5-15 connector 498G -> C13 (plug), 15A, , rack or wall			T26139-Y1741-E90	T26139-Y1741-L90
Cable powercord (Taiwan), 1.8m, rack or wall			T26139-Y1757-E10	T26139-Y1757-L10
Cable powercord -48V DC, 3m, black			T26139-Y4024-E10	T26139-Y4024-L10
Cable powercord (D, A, B, F, NL, FIN, N, S, E, P, RUS, TR), 1.8m, grey				T26139-Y1740-L10
Cable powercord (UK, IR), 1.8m, grey				T26139-Y1744-L10
Cable powercord (I), 1.8m, grey				T26139-Y1745-L10
Cable powercord (DK), 1.8m, grey				T26139-Y1746-L10
Cable powercord (ISR), 2.5m, black				T26139-Y1747-L10
no power cord			T26139-Y3850-E10	

Region Kits, required to order one of them, 1x per System	build-in order code	base delivery order code	
Region Kit APAC/EMEA/India, Contains warranty sheet and safety instructions for APAC, EMEA and India	S26361-F1452-E100	-	
Region Kit America, Contains warranty sheet, registration hints and safety	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 EMEA only)
Region Kit China for CCC systems , Contains warranty sheet and safety instructions for China,	S26361-F1452-E101	-	(Sales region for APAC only)
Region Kit China for CCC option not required systems (N/A CCC systems for more than 1300W PSU or, systems printing CCC mark always) , Contains warranty sheet and safety instructions for China, need to be included always into the order from China country	S26361-F1452-E102	-	(Sales region for APAC only)

Certifications, optional 1x per system	build-in order code	base delivery order code
Certification for China, (CCC), Reduced component selection possible, only with no power cord option	S26361-F3301-E120	-
Certification for India, (BIS), Reduced component selection possible, only with	S26361-F3301-E123	-

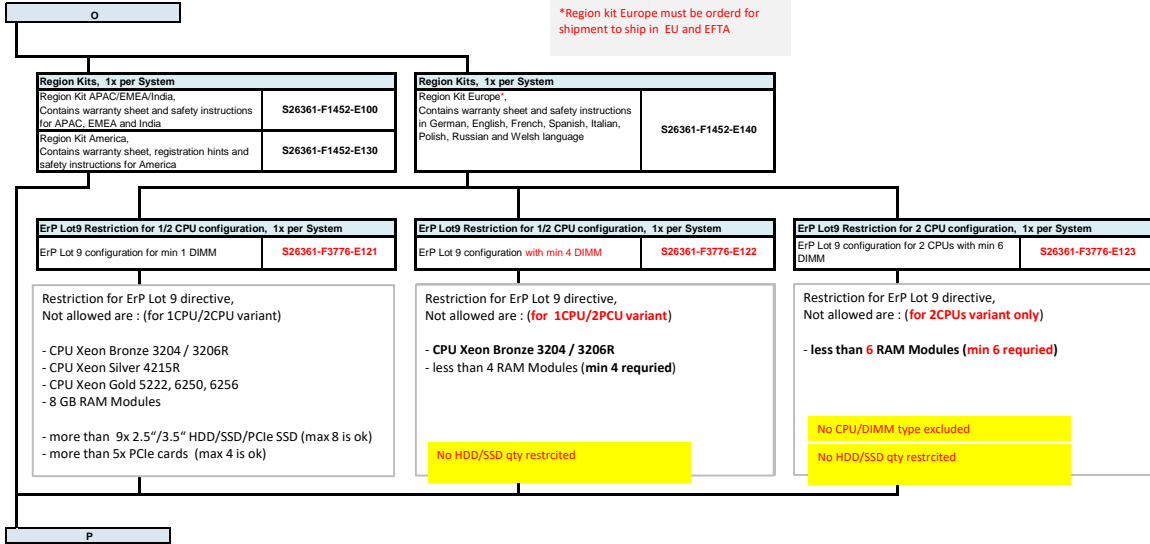
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Chapter 15 - Energy Star



ENERGY STAR-configurations with one CPU will be **PRIMERGY RX2540 M5 E-Star Fam1**
 ENERGY STAR-configurations with two CPU will be **PRIMERGY RX2540 M5 E-Star Fam2**
 non ENERGY STAR-configurations will be labeled: **PRIMERGY RX2540 M5**

Chapter 16 - others (ErP Lot 9 restriction)



Chapter 16 - others

O

S26361-F1790-E243
S26361-F1790-L244
 iRMC advanced pack
 integrated remote Management controller activation key for graphical console redirection and remote media
 max. 1x per system

S26361-F1790-E311
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

will be available in CQ2'24

iRMC MicroSD card option			
Capacity	Interface	E-parts	L-parts
32GB	SDHC	--	PY-MD32R1

max. 1x per system, instead of 16GB MicroSD card

S26361-F3776-E440
 Cool-safe @ Advanced Thermal design 40°C
 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-E445
 Cool-safe @ Advanced Thermal design 45°C
 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

Advanced Thermal design cannot be combined with the Flash backup unit of the RAID controllers

S26361-F3552-E100 will be EOL at end-Sep 2022
S26361-F3552-L100
 TPM 2.0 Module SPI
 Microsoft Windows Server 2022 not supported
 max. 1x per system

S26361-F3552-E301
S26361-F3552-L301
 TPM 2.0 Module SPI
Microsoft Windows Server 2022 only supported
 max. 1x per system

OS support matrix:

	S26361-F3552-E100	S26361-F3552-E301	S26361-F3552-L100	S26361-F3552-L301
Operating system for host OS				
Windows Server 2022	-	supported		
Windows Server 2019	supported	supported		
Windows Server 2016	supported	supported		
Red Hat Enterprise Linux 8	supported	supported		
Red Hat Enterprise Linux 7	supported	supported		
SUSE Linux Enterprise Server 15	-	-		
SUSE Linux Enterprise Server 12	-	-		
VMware ESXi 7.0	supported	supported		
VMware ESXi 6.7	supported	supported		
VMware ESXi 6.5	-	-		

Support OS may vary by system.

S26361-F3552-E100/L100 will be EOL at end-Sep 2022.

S26361-F3552-E301/L301 will be an alternative because they have extended the support OS like the table on the left and they are backward compatible with S26361-F3552-E100/L100.

S26361-F3552-E101
 TPM 1.2 Module SPI
 max. 1x per system

S26361-F3120-E50
S26361-F3120-L50
 Serial Port Option
 RS-232-C
 for a RS-232-C Serial Port Interface
 does NOT occupy PCI slot
 max. 1x per system

Your Server is ready

Accessories

P	http://www.fujitsu.com/fts/products/computing/peripheral/accessories/index-facts.html
USB Memory Sticks - Available until August 2020. No successor planned.	
ADATA UC350 USB3.1 Type C OTG Flash Drive 64GB	S26391-F6048-L464
USB Optical Disc Drive	
External Ultra Slim Portable DVD Writer (Hitachi-LG)	S26341-F103-L142
End PRIMERGY RX2540 M5	

Date of change [dd.mm.yyyy]	Configurator revision	Folder / order code / description	What has been changed / comment	Name
25.03.2024	1.56	others	revised the descriptuon about iRMC MicroSD card option for eLCM	Y. Sugiyama
16.02.2024	1.55	others	added the iRMC MicroSD card option for eLCM	Y. Sugiyama
16.01.2024	1,54	HD_SSD	removed availability schedule for PCIe-SSD "Kioxia CM7"	Y. Sugiyama
22.09.2023	1,53	LAN_FC_IB	Delete the sentences which does not make any sense and appeared above "Network cables for later update	F. Kanega
30.08.2023	1,52	GFX_FPGA	NVIDIA Subscription License is EOL	M.Takaoka
31.07.2023	1,51	HD_SSD	added the PCIe-SSD "Kioxia CM7 series" updated the release status	Y. Sugiyama
25.11.2022	1,5	RAID	removed S26361-F5790-L518 from PRAID EP680i NVMe	Tatsuya Sudou
02.09.2022	1,49	RAID	corrected installable numbers for external RAID controllers: 4x to 2x	Tatsuya Sudou
30.08.2022	1,48	LAN	*Removed Marvell LAN due to EOL. S26361-F4068-E2/E202/L502 S26361-F4068-E4/E204/L504 S26361-F4069-E2/E202/L502 S26361-F4069-E4/E204/L504 S26361-F4070-E2/E202/L502 S26361-F4056-E2/E202/L502 S26361-F4057-E1/E201/L501 *Added the restriction of optical modules for X710-DA4.	Yuya Ikuta
22.08.2022	1,47	others	updated Notes for TPM2.0	Tatsuya Sudou
10.08.2022	1,46	HD_SSD	updated Notes for PDUAL CP100	Tatsuya Sudou
01.08.2022	1,45	RAID	corrected Notes for mixed configurations	Tatsuya Sudou
26.07.2022	1,44	RAID, backup	restored PSAS/PRAID CP4xx (F3842), PRAID EP4xx (F5243), removed BSMI limitation from PSAS CP 2100-8i	Tatsuya Sudou
16.06.2022	1,43	change_history	Introduce this history table with a new style	
30.05.2022		HD_SSD	updated Note for PDUAL CP100	Tatsuya Sudou
25.04.2022		others	updated Notes for TPM2.0	Tatsuya Sudou
14.04.2022		HD_SSD	added new order codes for SSD SATA "PM893/PM897"	Yuichi Sugiyama
16.03.2022		HD_cage	added PRAID EP680i	Tatsuya Sudou
16.03.2022		base	added PRAID EP6x0i	Tatsuya Sudou
04.03.2022		RAID	updated about BSMI for PSAS CP 2100-8i for MS HCI	Tatsuya Sudou
03.03.2022		RAID	updated about BSMI for PSAS CP 2100-8i	Tatsuya Sudou
01.03.2022		backup	removed PSAS CP400i, LTO6 due to EOL	Tatsuya Sudou
01.03.2022		RAID	updated Note for PSAS CP 2100-8i	Tatsuya Sudou
09.02.2022		RAID	removed PSAS/PRAID CP4xx(F3842/F3845), PRAID EP4xx(F5243) due to EOL added PRAID EP6xx(F5795/F5790/F5794)	Tatsuya Sudou
23.12.2021		RAID	removed exclusion b/w PRAID CP500i and EP540e	Tatsuya Sudou
14.12.2021		LAN	Released I210-T1(Retail) and X710-T2L(Retail)	Yuya Ikuta
09.12.2021		GFX_FPGA	Deleted "Will be available in December 2020 " of A100 in VDI section.	Takayuki Sasaki
03.12.2021		HD_SSD / S26361-F5966-*	added PDUAL CP100	Tatsuya Sudou
25.11.2021		GFX_FPGA	Update RTX4000/60008000 limitation [GFX card - Options] in "GFX_FPGA" tab.	Takayuki Sasaki
08.11.2021		RAID / S26361-F5888-*	added PSAS CP 2100-8i	Tatsuya Sudou
25.10.2021		HD_SSD	removed the description "as soon as available" for HD 18TB	Yuichi Sugiyama
14.10.2021		LAN	Added I210-T1(Retail) and X710-T2L(Retail)	Yuya Ikuta
11.10.2021		others	added Notes for TPM2.0	Tatsuya Sudou
05.10.2021		HD_SSD	modified the description about hot-plug for PCIe-SSD	Yuichi Sugiyama
30.09.2021		RAID	added Notes for PRAID CP500i	Tatsuya Sudou
22.09.2021		GFX_FPGA	Update RTX6000 and 8000 limitation [GFX card - Options] in "GFX_FPGA" tab. - add A100 and new GRID SW License Edition.	Takayuki Sasaki
15.09.2021		others / S26361-F3552-E301/L301	added TPM2.0 for WS2022	Tatsuya Sudou
09.09.2021		backup / S26361-F5792-*	added PSAS CP503i for LTO	Tatsuya Sudou
09.09.2021		RAID / S26361-F5791/F5793-*	added PRAID CP500i and PSAS CP500e	Tatsuya Sudou
08.09.2021		RAID	updated note for V884 "PSAS CPxxx allowed in V884"	Tatsuya Sudou
03.09.2021		HD_SSD	Added the HDD BC-SATA/SAS 18TB	Yuichi Sugiyama
04.08.2021		CPU	corrected cooler kit	Junichi Sugiyama
29.07.2021		HD_SSD	updated the release status about as soon as available and as long as stock available	Yuichi Sugiyama
15.06.2021		LAN	add the restriction for Intel LAN and Marvell LAN.	Yuya Ikuta
31.05.2021		LAN	changed maximum number of FC cards. FH: 7-->4, LP:7-->6	Yuya Ikuta
07.05.2021		HD_SSD	added the restriction for PCIe4.0 SSD	Yuichi Sugiyama
09.04.2021		HD_SSD	added the CM6-V/R as PCIe-SSD	Yuichi Sugiyama
01.04.2021		RAID / S26361-F5792-*	added PSAS CP503i	Tatsuya Sudou
17.03.2021		LAN	Changed the LOM SFP condition.	Yuya Ikuta

09.03.2021		GFX_FPGA	Modify GFX card - Options in "GFX_FPGA" tab. - Add some GRID product.	Takayuki Sasaki
26.02.2021		GFX_FPGA	Modify GFX card - Options in "GFX_FPGA" tab. - Add some GRID product.	Takayuki Sasaki
04.02.2021		GFX_FPGA	Modify GFX card - Options in "GFX_FPGA" tab. - Revise some GRID product name.	Takayuki Sasaki
09.12.2020		RAID / S26361-F5888-E201	added PSAS CP 2100-8i for MS HCI	Tatsuya Sudou
24.11.2020		HD_SSD	added the Seagate Nytro3x32 series as SSD SAS	Yuichi Sugiyama
02.11.2020		GFX_FPGA	Modify GFX card - Options in "GFX_FPGA" tab. - add A100 and new GRID SW License Edition.	Takayuki Sasaki
30.09.2020		GFX_FPGA	Modify GFX card - Options in "GFX_FPGA" tab. - Revise V100/V100S Limitation.	Takayuki Sasaki
25.09.2020		backup	add LTO8 tape drive, remove LTO5 tape drive add RDX Cartridge 4TB, remove RDX Cartridge 3TB	K.Tanaka
07.09.2020		HD_SSD	updated the description about supported M.2 Module of PDUAL CP200	Yuichi Sugiyama
07.08.2020		HD_SSD	add the new drives for SSD SAS/SATA and HDD BC- SATA/SAS 16TB	Yuichi Sugiyama
29.07.2020		CPU/Energy Star	add remark on CPU that not allowed for E-Star modify limitation of E-Star option	Atsushi Iwata
15.07.2020		Energy Star	added Energy Star sheet for E-Star option	Atsushi Iwata
22.06.2020		GFX_FPGA	Modify GFX card - Options in "GFX_FPGA" tab. - Revise T4 Limitation.	Takayuki Sasaki
29.05.2020		PSU	removed "made in Germany sticker"	Yuika Narita
26.03.2020		PSU	added region kit China	Atsushi Iwata
24.03.2020		others Base	M4Y removed Added comment for S26361-K1655-V238	Tomokazu Tsuchiya
10.03.2020		ErP Lot9	updated ErP Lot9 restriction	Atsushi Iwata
04.03.2020		ErP Lot9	added ErP Lot9 restriction in new sheet ErP Lot9	Atsushi Iwata
18.02.2020		LAN_FC_IB	Change the cable S26361-F5549-E561/-E563 -> S26361-F5748-E571	Takaoka Masanori
14.02.2020		GFX_FPGA	Modify GFX canrd - Options in "GFX_FPGA" tab. - Revise some wrong FTS order codes.	Takayuki Sasaki
03.02.2020		CPU	Added Cascade Lake-SP Refresh SKUs	Klaus-Dieter Ruf
28.01.2020		HD_SSD / Dual M.2	added 480GB as supported M.2 Modules	Tatsuya Sudou
11.12.2019		HD cage	added V238	Robert Brunnbauer
06.12.2019		HD_SSD	updated the description about Hard Disk Sector Format Information	Yuichi Sugiyama
08.11.2019		PSU / T26139-Y1748-L10 / removed	Removed Cable powercord (AUS/NZ), 1.8m, grey	Y.Narita
07.11.2019		S26391-F6048-L464	New USB memory stick accessory device 64GB. No longer 32GB.	Y.Narita
04.11.2019		PSU / T26139-Y4024-E10 / L10	length of -48V DC PSU cable changed to 3m length	J.Linne
30.10.2019		RAM	DCPMM section updated	Klaus-Dieter Ruf
27.09.2019		GFX_FPGA	Modify GFX canrd - Options in "GFX_FPGA" tab. - add some condition for NVIDIA GRID SW and add items.	Takayuki Sasaki
19.09.2019		CPU	Added Xeon Gold 5218B SKU	Klaus-Dieter Ruf
11.09.2019		GFX_FPGA	Modify GFX canrd - Options in "GFX_FPGA" tab. - add some condition for Tesla T4 and support max, number.	Takayuki Sasaki
09.09.2019		CPU	T-SKUs added for DTAG project	Klaus-Dieter Ruf
05.09.2019		LAN	Typo: PLAN EP QL41262 --> PCNA EP QL41262	Ulrich Lösch
13.08.2019		RAM	DCPMM configuration possibilities update	Klaus-Dieter Ruf
26.07.2019		HDD_SSD / S26361-F5571/F5624/F3904- E140/L140 / updated	removed the description as "as soon as available"	Yuichi Sugiyama
26.07.2019		HDD_SSD / S26361-F5738- / updated	removed the description as "as soon as available"	Yuichi Sugiyama
17.07.2019		LAN	S26361-F4053-E703, -L703 Transceiver 40G added	Ulrich Lösch
05.07.2019		GFX_FPGA	Modify GFX canrd - Options in "GFX_FPGA" tab. - add some condition for Tesla T4 /RTX4000/ RTX6000 and cable information.	Takayuki Sasaki
02.07.2019		HDD_SSD / S26361-F5738- / added	added PCIe-SSD 2.5" Read-Intensive	Yuichi Sugiyama
02.07.2019		HDD_SSD / S26361-F5571/F5624/F3904- E140/L140 / added	added HDD SAS/SATA 3.5" 7.2K 512e 14TB	Yuichi Sugiyama
26.06.2019		LAN_FC_IB	Add ConnectX6(Infiniband card)	Takaoka Masanori
03.06.2019		Graphics	Front VGA not -V112, V116, V238, V824, V428 or -V424	Robert Brunnbauer
07.05.2019		CPU	Added missing Xeon Gold 6246 SKU	Klaus-Dieter Ruf
03.04.2019		RAM	DCPMM configuration possibilities update	Klaus-Dieter Ruf
24.04.2019		HDD_SSD / S26361-F5732/F5733-*	Removed the description as "or SM863a"	Yuichi Sugiyama
24.04.2019		HDD_SSD / S26361-F5737-*	Removed the description as "as soon as available"	Yuichi Sugiyama
03.04.2019		RAM	Rank sparing mode table updated	Klaus-Dieter Ruf
29.03.2019		base	Update limitations for different base units	Robert Brunnbauer
28.03.2019		LAN	Typo, where appropriate: 2 port NIC --> 4 port NIC	Ulrich Lösch
28.03.2019		LAN	Typo: QL41132 2X10G --> QL41112 2X10G	Ulrich Lösch
19.03.2019		RAID	CP403i added	Sven Pilz
12.03.2019		RAM	edited grey section at top, corrected 2048 --> 1920 capa	Sven Pilz
11.03.2019		RAM	Updated modes within released DCPMM configurations	Klaus-Dieter Ruf

07.03.2019		RAID	max # of RAID controllers for -V884 = 4 mix of EP5x0i with EP4x0i or PRAID CP400 not allowed added PRAID EP540/80i NVMe for -V884	Johannes Linne
06.03.2019		RAM	Added Memory Packages for easy AEP configuration	Klaus-Dieter Ruf
01.03.2019		HDD_SSD / S26361-F5737-E160* / added	added	Yuichi Sugiyama
25.02.2019		RAM	AEP configuration update including stepwise approach	Klaus-Dieter Ruf
22.02.2019		LAN	Cosmetic Cavium/Qlogic to: Marvell FastLinQ®	Ulrich Lösch
22.02.2019		FC	Cosmetic Cavium/Qlogic to: Marvell Qlogic®	Ulrich Lösch
22.02.2019		FC	Cosmetic Broadcom/Emulex to: Broadcom Emulex®	Ulrich Lösch
19.02.2019		CPU	changed TDP on 4214Y	M.Pentney-Schmidt
15.02.2019		LAN_FC_IB	update EDR card parts number	Takaoka Masanori
12.02.2019		HDD_SSD / S26361-F3907-* / added the exclusion	added the exclusion for HDD SATA 2.5" 7.2K 512e and PRAID EP5x0i	Yuichi Sugiyama
08.02.2019		LAN_FC_IB	removed FDR card and change EDR card parts number	Takaoka Masanori
04.02.2019		RAID	removed PRAID EP420e as PRAID EP540e is available	Johannes Linne
04.02.2019		HDD_SSD	removed the description as "as soon as available" because of available when this system is released.	Yuichi Sugiyama
04.02.2019		HDD_SSD	added the description about Supplier / ModelName of SSD	Yuichi Sugiyama
01.02.2019		GFX_FPGA	Add a comment about "Temperature Limitation" in "GFX_FPGA" tab.	Takayuki Sasaki
10.01.2019		HDD_SSD / S26361-F5571/F5624/F3904-E140/L140 / removed	removed HDD SAS/SATA 3.5" 7.2K 512e 14TB	Yuichi Sugiyama
18.12.2018		RAM	LRDIMM 3DS removed; minor update on description	M.Pentney-Schmidt
13.12.2018		GFX_FPGA	Add and modify NVIDIA Tesla T4	Takayuki Sasaki
12.12.2018		CPU	Xeon Gold 5222S changed to Xeon Gold 5220S	M.Pentney-Schmidt
04.12.2018		CPU	Updated	M.Pentney-Schmidt
04.12.2018		RAM	DDR4 rg 2666 xRx4 removed	M.Pentney-Schmidt
03.12.2018		HDD_SSD / S26361-F5734/F5735-* / removed	removed	Yuichi Sugiyama
28.11.2018		CPU	Further update of CPU page	M. Pentney-Schmidt
27.11.2018		CPU	CPU page updated	M. Pentney-Schmidt
22.11.2018		S26361-F2495-E824	AFA Upgrade Kit added	Robert Brunnbauer
20.11.2018			Update base unit V238	Robert Brunnbauer
19.11.2018		HDD_SSD / S26361-F5735-* / add the order codes	add the order codes for PCIe-SSD 2.5" Read Intensive	Yuichi Sugiyama
19.11.2018		HDD_SSD / S26361-F5734-* / add the order codes	add the order codes for PCIe-SSD 2.5" Mixed Use	Yuichi Sugiyama
19.11.2018		HDD_SSD / S26361-F5571/F5624/F3904-E140/L140 / add the order codes	add the order codes for HDD SAS/SATA 3.5" 14TB	Yuichi Sugiyama
19.11.2018		HDD_SSD / HDD SAS 3.5" 10K 512e / changed order codes	changed from F5569-* to F5731-* w/o 2.4TB for WS2019SDDC-AQ cert	Yuichi Sugiyama
19.11.2018		HDD_SSD / HDD SAS 3.5" 10K 512n / changed order codes	changed from F5568-* to F5728-* for WS2019SDDC-AQ cert	Yuichi Sugiyama
19.11.2018		HDD_SSD / HDD SAS 3.5" 15K / changed order codes	changed from F5532-* to F5726-* w/o 900GB for WS2019SDDC-AQ cert	Yuichi Sugiyama
19.11.2018		HDD_SSD / SSD SATA 3.5" Mixed Use / changed order codes	changed from F5673/F5589-* to F5732-* w/o 3.84TB for WS2019SDDC-AQ cert	Yuichi Sugiyama
19.11.2018		HDD_SSD / HDD SAS 2.5" 10K 512e / changed order codes	changed from F5543-* to F5730-* w/o 2.4TB for WS2019SDDC-AQ cert	Yuichi Sugiyama
19.11.2018		HDD_SSD / HDD SAS 2.5" 10K 512n / changed order codes	changed from F5550-* to F5729-* for WS2019SDDC-AQ cert	Yuichi Sugiyama
19.11.2018		HDD_SSD / HDD SAS 2.5" 15K / changed order codes	changed from F5531-* to F5727-* w/o 900GB for WS2019SDDC-AQ cert	Yuichi Sugiyama
19.11.2018		HDD_SSD / SSD SATA 2.5" Mixed Use / changed order codes	changed from F5675/F5588-* to F5733-* w/o 3.84TB for WS2019SDDC-AQ cert	Yuichi Sugiyama
16.11.2018			Update limitations for different base units	Robert Brunnbauer
29.10.2018		HD_SSD / S26361-F5635/F5638/F5584-E800/L800	added	Yuichi Sugiyama
22.10.2018		GFX	Add and modify NVIDIA GRID license SKU.	Takayuki Sasaki
04.10.2018			Update AFA bu	Robert Brunnbauer
20.09.2018		RAID folder	changed # of RAID controllers for -V216 and -V238, see comments in orange, folder RAID	J.Linne
26.09.2018		HD_SSD / S26361-F5650-*	removed PACC EP P4600 AIC 2/4TB	Yuichi Sugiyama
26.09.2018		HD_SSD / PCIe-SSD 2.5" Mixed Use	added PCIe SSD 2.5" MU 1.6/3.2/6.4TB	Yuichi Sugiyama
26.09.2018		HD_SSD / PCIe-SSD Low Power 2.5" Read-Int.	added PCIe SSD 2.5" RI 960GB/1.92TB/3.85TB	Yuichi Sugiyama
26.09.2018		HD_SSD / S26361-F5694/F5692-*	removed SSD SATA MU S4600	Yuichi Sugiyama
26.09.2018		HD_SSD / S26361-F5588/F5589-E384/L384	added SSD SATA MU 3.84TB	Yuichi Sugiyama
20.09.2018		RAID folder	changed # of RAID controllers for tripple -v238	J.Linne
18.09.2018		GFX_FPGA	Modify Graphic Card - Options in "GFX" tab. - add "DP- DVI/D" adapter	Takayuki Sasaki
12.09.2018		RAM	Further update of Memory page	M. Pentney-Schmidt
28.08.2018		S26113-F624-E10	update efficiency -48V DC PSU 92%	J.Linne
21.08.2018		HD_SSD	Updated	Yuichi Sugiyama
21.08.2018		HD_SSD	Updated	Yuichi Sugiyama
02.08.2018		HD_SSD	Updated	Yuichi Sugiyama
01.08.2018		GFX_FPGA	Modify GFX canrd - Options in "GFX_FPGA" tab. - add Quadro P400 support.	Takayuki Sasaki
04.07.2018		RAID	Updated : 4x EP540e changed max # of external HBA, RAID generally to 4	Linne, Johannes

22.05.2018		RAID	Updated according to RX2540 M4	Linne, Johannes
11.05.2018		RAID, PSU	Updated	Linne, Johannes
07.05.2018		LAN	Typo QL41112 --> QL41132, QL41114 --> QL41134	Ulrich Lösch
26.04.2018		HD_SSD	Updated	Sudou, Tatsuya
05.04.2018		FC - First Draft reviewed	No change	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Deleted: PLAN EP QL45212 2x25Gb	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Added: PCNA EP QL41262 2x10/25Gb	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Deleted: PCNA EP OCe14102 2x10Gb	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Added: PLAN EP QL41114 4x10Gb SFP+	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Added: PLAN EP QL41112 2x10GbSFP+	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Deleted: PLAN EP OCe14102 2x10Gb	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Added: PLAN EP X710-T4 4x10GBASE-T	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Added: PLAN EP QL41114 4x10GBASE-T	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Added: PLAN EP QL41112 2x10GBASE-T	Ulrich Lösch
05.04.2018		LAN - Corrections on first draft	Deleted: PLAN EP OCe14102 2x 10GBase-T	Ulrich Lösch
04.04.2018			First Draft	Robert Brunnbauer