

PRIMERGY CX400 M4  
Multi Node Server



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	Description	System Description for easier understanding
1		describes base unit of CX400 M4
2	Base	describes rack mount kits and services
3		Power supply units, power cables, country specific opt.
4	CPU	Order code and Infos of E5-26xxv5 series processors
5	RAM	DDR4 System memory (RAM) and memory modes
6	GFX	Graphics-, Grid-cards, GPU and Xeon Co processors and other graphics options
7	HD_cage	Drive cage and PCIe riser options
8	RAID	SAS / RAID Controller and components
9	ODD	optical disk drives (DVD, DVD-rw, Blu ray)
10	Backup	LTO drives & RDX drive
11	HD_SSD	Storage drives - PCIe SSD - SAS/SATA SSD & HDD
12		LAN Components
13	LAN_FC_IB	Fibre Channel Controller
14		Infiniband Controller
15	USB_devices	Keyboards, Mice, USB devices
16	others	System Management, ATD, RS232 port, TPM module

# Instructions

This document contains basic product and configuration information 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 background, configuration rules, limitations, ...)

<b>S26361-F4610-E2</b>
<b>S26361-F4610-L3</b>
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:

[http://ts.fujitsu.com/products/standard\\_servers/index.html](http://ts.fujitsu.com/products/standard_servers/index.html)

(internet)

[https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy\\_config/Pages/default.aspx](https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/Pages/default.aspx)

(extranet)

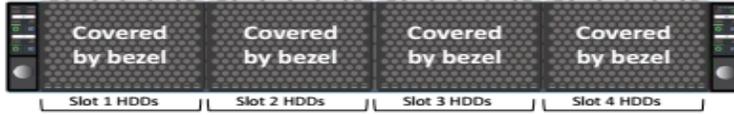
Fujitsu is providing the content of this document with very high accuracy. In case you identify a mistake, we would kindly encourage you to inform us. We kindly ask for understanding, that errors still may occur and that Fujitsu may change this document without notice

## 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

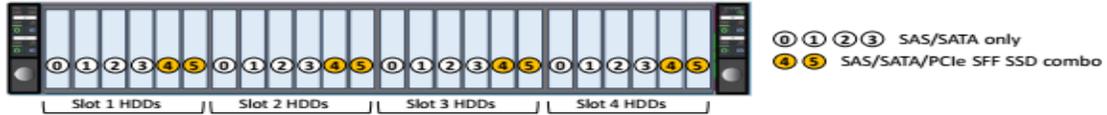
**CX400 M4 Front view**

HDD less configuration for Node CX2550/CX2560/CX2570 M5



Front HDD bay option enabled configuration for Node CX2560 M5

Each CX2560 M5 use up to 6 drives (respective Slot 1-4)



Front HDD bay option enabled configuration for Node CX2550 M5

Each CX2550 M5 use up to 2 drives (respective Slot 1-4)



Front HDD bay option enabled configuration for Node CX2570 M5

Each CX2570 M5 use up to 6 drives (respective Slot 1, Slot 3)



**CX400 M4 Rear View**

Node CX2550 / CX2560 M5

PSU	Slot 4	Slot 2
PSU	Slot 3	Slot 1

Node CX2570 M5

PSU	(GPU tray)	(GPU tray)
PSU	Slot 3	Slot 1

No mixture with different type of server nodes are not supported.

**Chapter 1 - Base unit**

**Start**

**Power supply units & cooling**

The PRIMERGY CX400 M4 offers bays for 1x or 2x direct attached hot plug (opt. redundant) power supply units of 1,600W, 2400W with up to 94% efficiency. The PRIMERGY CX400 M4 supports high performance 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**

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

Item	CX2560 M5	CX2550 M5	CX2570 M5
Use Case	Allround (cloud)	HPC	HPC
Form Factor (Height x Width)	Single x Half (4N)	Single x Half (4N)	Double x Half (2N)
# of CPU/Node	2	2	2
# of UPI	3	3	3
Liquid Cooling	-	Yes (option)	Yes (option)
CPU (W)	150W	165W (205W: liquid cooling)	205W
# of DIMM	16	16	16
# of 2.5"/3.5" HDDs (/ chassis)	24/0	8/0	12/0
# of 2.5" HDDs (/ Node)	6/6/6	2/2/2/2	6/6
# of HDD / Type (included)	6x SAS/SATA (2x PCIe4)	2x SATA	6x SAS/SATA (2x PCIe4)
# of 3.5" HDDs (/ Node)	-	-	-
PCIe slot (type)	2 (Gen3 x16, 25W)	2 (Gen3 x16, 25W)	1 (Gen3 x16, 25W)
GPU slot	-	-	2x (Gen3 x16)
TPM slot / MicroSD for BMC	1/1	1/1	1/1
USB mirrored device	1	1	1
Internal boot device	2	2	2
# of M.2 slot	Form Factor	2242	2242
	M.2 I/F type	SAS / PCIe (Gen3)x2	SAS / PCIe (Gen3)x2
BMC (IPMI) LAN	1x 1000 Base -T	1x 1000 Base -T	1x 1000 Base -T
Onboard NIC	1x 1000 Base -T	1x 1000 Base -T	1x 1000 Base -T
1x OCP Mezz slot	PHY (selectable NIC option)	-	-
		4x 1000BaseT -T	4x 1000BaseT -T
		2x 10G Base -T	2x 10G Base -T
	2x 10G SFP+	2x 10G SFP+	2x 10G SFP+
	4x 10G SFP+	4x 10G SFP+	4x 10G SFP+
	PCIe Gen3 x16	PCIe Gen3 x16	PCIe Gen3 x16

**Note: Node population rules**

CX25y0M5 node population rules is defined by TPS (Technical Product Specification).

CX25y0M5 must be installed by bellow order.

Chassis configuration			
PSU2	4 2		
PSU1	3 1		
(Rear View)			
Server Nodes			
Slot	Slot	Slot	Slot
1	2	3	4
#CX2550			
#CX2560			
1	1		
2	1	2	
3	1	3	2
4	1	3	4

Empty Slots must be filled with Dummy Nodes

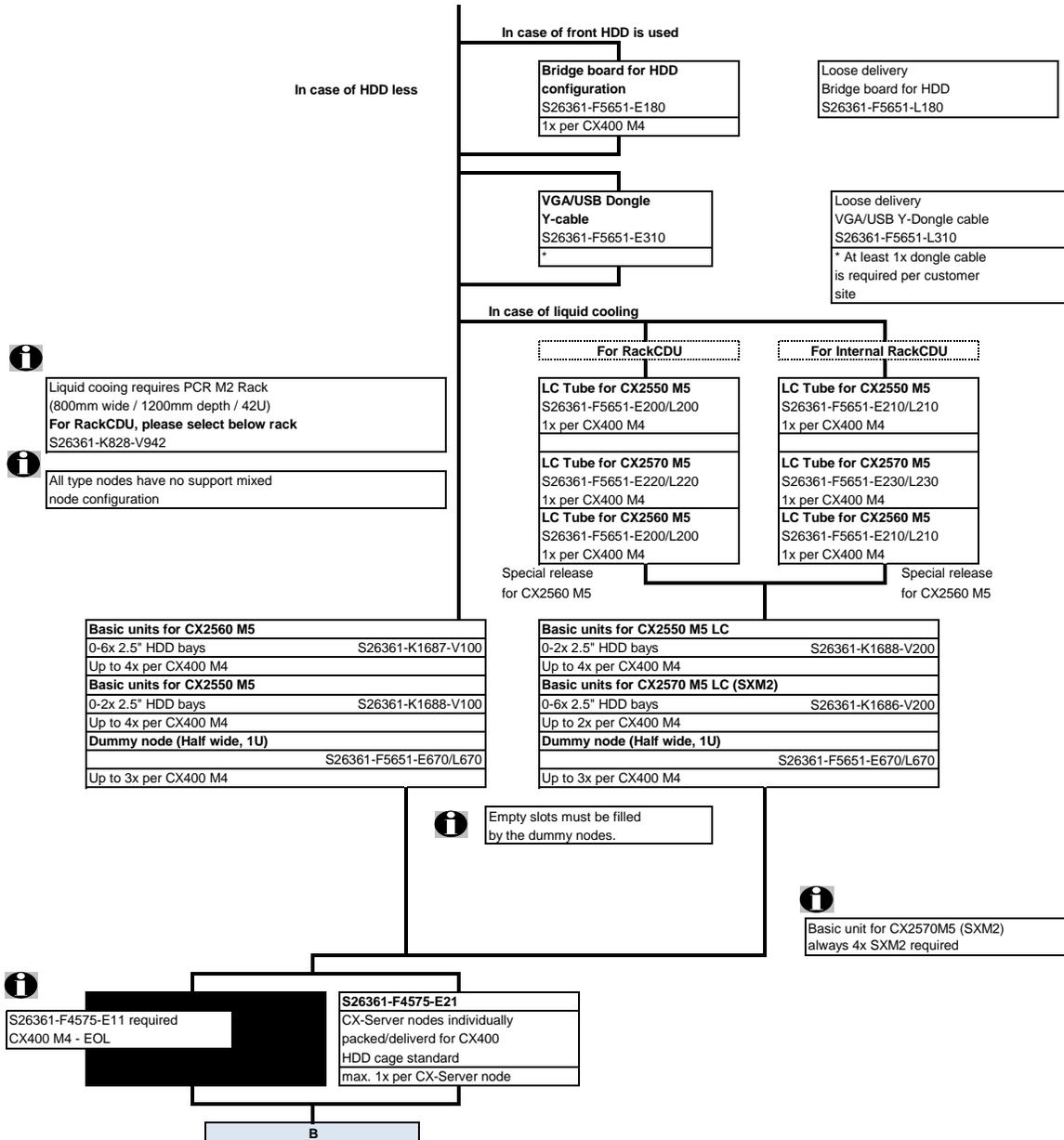
Chassis configuration			
PSU2	4 2		
PSU1	3 1		
(Rear View)			
Server Nodes			
Slot	Slot	Slot	Slot
1	2	3	4
#CX2570			
1	1	1	
2	1	1	2 2

Empty Slots must be filled with Dummy Nodes

<b>Rack version for 19" racks with 2 height units</b>
No PSU included in base unit
Basic unit is without node
<b>Basic units for CX2550/CX2560/CX2570 M5 LC</b>
0-24x 2.5" HDD bays
For EMEA market S26361-K1614-V500
For APAC/US market S26361-K1614-V500
Up to 4 x CX2550/CX2560 M5, Up to 2x CX2570 M5 LC



Front HDD cage kit must be ordered under node config  
Please refer to "HD\_cage" sheet



**Chapter 2 - Rack architecture**

PRIMECENTER Rack					
Rack Architecture			Remark		
Rack Cable Arm 2U	1x	Cable mgmt. arm for 2U	S26361-F5651-E100	S26361-F5651-L100	Required in case of hotplug FAN operation
<p><b>i</b> Rack Cable Arm 2U can be an installation on 19-inch rack by max. 16 chassis.                      Rack Cable Arm 2U cannot be installed in 39-42U, 22-24U, and 1-2U area.                      Rack Cable Arm 2U is not available in the following cable.</p> <ul style="list-style-type: none"> <li>- Infiniband cable - OPA passive copper cable w/QSFP28</li> <li>- OPA active optical cable w/QSFP28</li> <li>- Multimode Fibre Channel cable</li> </ul>					

**Chapter 3 - Power supply unit, power cable, country specific options**

<b>S26113-F617-E50</b> <b>S26113-F617-L50</b> 1600W platinum power supply unit  1600W PSU module platinum 1st or 2nd PSU for redundancy. 94% efficiency  100-240V, 50-60Hz occupies hot plug PSU slot min. 2 / max. 2x per system	<b>S26113-F620-E30</b> <b>S26113-F620-L30</b> 2400W platinum power supply unit  2400W PSU module platinum 1st or 2nd PSU for redundancy. 94% efficiency  100-240V, 50-60Hz occupies hot plug PSU slot min. 1 / max. 2x per system
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Installing condition\* by configuration of Power Supply Unit  
 \*PSU redundancy (1+1) support depends on the configuration of server, please check the total power consumption in SystemArchitect for making PSU redundant configuration

<b>S26361-F5651-E190</b> <b>S26361-F5651-L190</b> Dummy module instead PSU  Dummy module for closing the 2nd PSU hole, in case only 1 PSU is equipped closes hot plug PSU slot max. 1x per system
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**i** 2400W (S26113-F620-E30) must use Power Cord 16A (S26361-F3151-E301)

	1600W PSU	2400W PSU
S26361-F3151-E351	200-240V	Not supported
S26361-F3151-E301	100-120V / 200-240V	100-120V / 200-240V

for CX400 M4 within rack  
 please choose only 1 of this 2 cables

<b>S26361-F3151-E351</b> Power Cord 10A IEC 320 C19 -> C14  default within rack 1x per PSU	<b>S26361-F3151-E301</b> Power Cord 16A IEC 320 C19 -> C20  for 100V-115V only*) 1x per PSU	<b>S26361-F3151-E500</b> Power Cord IEC320 C19 -> US NEMA L6-20p without rack only 1x per PSU	<b>T26139-Y3850-E10</b> No Power Cord  without rack only 1x per PSU
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**i** \*) in System architect please change the default 16A connection to a 10A connection for all PSU

<b>S26361-F4530-E12</b> Mounting 2U server in asymmetrical racks with 2U support bracket	<b>S26361-F4530-E10</b> Mounting in symmetrical & 3rd party racks (no support bracket needed)
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**i** **S26361-F2735-L10**  
 Adapter angle PC/DC-Rack, till 50Kg necessary for mounting RMKs in asymmetrical racks

**SNP:SY-F1647E301-P**  
**Installation ex works for one server or subsystem.**  
**Hereby the rack will be delivered completely pre-mounted and all wired connections are tested.**  
 With PCR M1 16U, 24U, 42U:  
 Systems and components will be delivered installed in the rack

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To be ordered only together with a PRIMECENTER rack  
 refer PCR S2 or M1 rack configurator for air cooling  
 refer to M2 rack configurator for liquid cooling  
 max. 1x per System

**"Rack-mounting ex factory"**  
 This service is to be ordered once per installable server/storage subsystem, in order to get the server/storage subsystem mounted into the racks. In case of not-installed server and subsystems this service has to be ordered, to get the mounting kits and the cables installed.

Region Kits, <b>required to order one of them, 1x per System</b>	build-in order code	loose delivery order code
Region Kit APAC/EMEA/India, Contains warranty sheet and safety instructions for APAC, EMEA and India	<b>S26361-F1452-E100</b>	-
Region Kit America, Contains warranty sheet, registration hints and safety instructions for America	<b>S26361-F1452-E130</b>	-
Region Kit Europe, Contains warranty sheet and safety instructions in German, English, French, Spanish, Italian, Polish, Russian and Welsh language, <b>need to be included always into the order from EU and EFTA</b>	<b>S26361-F1452-E140</b>	-
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, <b>need to be included always into the order from China country</b>	<b>S26361-F1452-E102</b>	-

(Sales region for EMEA only)

(Sales region for APAC only)

Certifications, optional 1x per system	build-in order code	loose delivery order code
Certification for India, (BIS), Reduced component selection possible, only with no power cord option	<b>S26361-F3301-E123</b>	-

A

Chapter 3 - CPU (CX2560 M5)

B

There are 2 processor sockets available. Please configure 1 or 2 Processors.  
 >> All processors have to be the same type.  
 >> With one processor LOM, iRMC and 8x DIMM slots are available  
 >> With two processors all 16x DIMM slots 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

**Restriction for CPUs above 150W TDP:**  
 Ambient temperature requirement for CPUs between 150W is 30°C

**Restriction for ErP Lot9:**

>> Xeon Bronze 3204 is not orderable.  
 >> 1 DIMM configuration is not orderable.

These configuration is not allowed to ship in EU/EFTA countries to comply with ErP Lot 9 regulation.

Base Units

Standard (S26361-K1687-V100)

Not Orderable

<b>Xeon Bronze 3200 - Basic</b>			
64-bit Intel Xeon processor supporting DDR4 @ 2133MHz & UPI Bus @ 9.6 GT/s			
Xeon Bronze 3204 6C 1.9GHz 85W	S26361-F4082-E104	S26361-F4082-L104	
Xeon Bronze 3206R 8C nHT 1.9GHz 85W	S26361-F4082-E806	S26361-F4082-L806	X
<b>Xeon Silver 4200 - Standard</b>			
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	X
Xeon Silver 4210 10C 2.2GHz 85W	S26361-F4082-E110	S26361-F4082-L110	X
Xeon Silver 4210R 10C 2.4GHz 100W	S26361-F4082-E811	S26361-F4082-L811	X
Xeon Silver 4214 12C 2.2GHz 85W	S26361-F4082-E114	S26361-F4082-L114	X
Xeon Silver 4214R 12C 2.4GHz 100W	S26361-F4082-E814	S26361-F4082-L814	X
Xeon Silver 4216 16C 2.2GHz 100W	S26361-F4082-E116	S26361-F4082-L116	X
<b>Xeon Silver 4200 - Frequency Optimized</b>			
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	X
Xeon Silver 4215R 8C 3.2GHz 130W	S26361-F4082-E815	S26361-F4082-L815	X
<b>Xeon Gold 5200 - Advanced AEP enabled</b>			
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	X
Xeon Gold 5217 8C 3.0GHz 115W	S26361-F4082-E217	S26361-F4082-L217	X
Xeon Gold 5218 16C 2.3GHz 125W	S26361-F4082-E218	S26361-F4082-L218	X
Xeon Gold 5218R 20C 2.1GHz 125W	S26361-F4082-E818	S26361-F4082-L818	X
Xeon Gold 5220 18C 2.2GHz 125W	S26361-F4082-E220	S26361-F4082-L220	X
Xeon Gold 5220R 24C 2.2GHz 150W	S26361-F4082-E820	S26361-F4082-L820	X
<b>Xeon Gold 5200 - Advanced AEP enabled</b>			
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	X
<b>Xeon Gold 6200 - Advanced AEP enabled</b>			
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s			
Xeon Gold 6226 12C 2.7GHz 125W	S26361-F4082-E326	S26361-F4082-L326	X
Xeon Gold 6226R 16C 2.9GHz 150W	S26361-F4082-E826	S26361-F4082-L826	X
Xeon Gold 6230 20C 2.1GHz 125W	S26361-F4082-E330	S26361-F4082-L330	X
Xeon Gold 6230R 26C 2.1GHz 150W	S26361-F4082-E830	S26361-F4082-L830	X
Xeon Gold 6234 8C 3.4GHz 130W	S26361-F4082-E334	S26361-F4082-L334	X
Xeon Gold 6238 22C 2.1GHz 140W	S26361-F4082-E338	S26361-F4082-L338	X
Xeon Gold 6240 18C 2.6GHz 150W	S26361-F4082-E340	S26361-F4082-L340	X
Xeon Gold 6242 16C 2.8GHz 150W	S26361-F4082-E342	S26361-F4082-L342	X
Xeon Gold 6248 20C 2.5GHz 150W	S26361-F4082-E348	S26361-F4082-L348	X
Xeon Gold 6252 24C 2.1GHz 150W	S26361-F4082-E352	S26361-F4082-L352	X
<b>Xeon Gold 5200M - Advanced (Shelf 3; 2.0TB p. Socket)</b>			
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & UPI Bus @ 10.4 GT/s			
Xeon Gold 5215M 10C 2.5GHz 85W	S26361-F4082-E415	S26361-F4082-L415	X
<b>Xeon Gold 6200M - Advanced (Shelf 3; 2.0TB p. Socket)</b>			
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	X
Xeon Gold 6240M 18C 2.6GHz 150W	S26361-F4082-E440	S26361-F4082-L440	X
<b>Xeon Silver 4200Y- Speed Select</b>			
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	X
<b>Xeon Gold 5200S - Serched Optimized</b>			
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	X
<b>Xeon Gold 6200V - VM Optimized</b>			
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	X
Xeon Gold 6262V 24C 1.9GHz 135W	S26361-F4082-E362	S26361-F4082-L362	X
<b>Cooler Kit (see comment above; for upgrade please use according kit to the selected CPU)</b>			
Cooling Kit 2nd CPU	S26361-F3849-E100		X
Cooling Kit for 2nd CPU (upgrade option for Standard BU)		S26361-F4051-L950	X

C

Chapter 3 - CPU (CX2570 M5)

B		Base Units
<p>There are 2 processor sockets available. Please configure 1 or 2 Processors.                      &gt;&gt; All processors have to be the same type.                      &gt;&gt; With one processor LOM, iRMC and 8x DIMM slots are available                      &gt;&gt; With two processors all 16x DIMM slots are available.                      &gt;&gt; Empty CPU slot have to be filled up with a CPU Dummy! * HT = Hyper Threading</p> <p><u>Note: CX2570M5 supports only liquid cooling mode!</u>                      Liquid cooling base unit requires always 2 CPUs</p> <p><u>Restriction for ErP Lot9:</u></p> <div style="border: 1px solid red; padding: 5px;"> <p>&gt;&gt; Xeon Bronze 3204 is not orderable.                          &gt;&gt; 1 DIMM configuration is not orderable.</p> <p>These configuration is not allowed to ship in EU/EFTA countries to comply with ErP Lot 9 regulation.</p> </div>		Liquid Cooled (S26361-K1686-V20)
<p><b>Xeon Bronze 3200 - Basic</b>                      64-bit Intel Xeon processor supporting DDR4 @ 2133MHz &amp; UPI Bus @ 9.6 GT/s</p>		
Xeon Bronze 3204 6C nHT 1.9 GHz 85W	S26361-F4082-E104	Not Orderable
Xeon Bronze 3206R 8C nHT 1.9GHz 85W	S26361-F4082-E806	
<p><b>Xeon Silver 4200 - Standard</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2400 MHz &amp; UPI Bus 9.6 GT/s</p>		
Xeon Silver 4208 8C 2.1GHz 85W	S26361-F4082-E108	X
Xeon Silver 4210 10C 2.2GHz 85W	S26361-F4082-E110	X
Xeon Silver 4210R 10C 2.4GHz 100W	S26361-F4082-E811	X
Xeon Silver 4214 12C 2.2GHz 85W	S26361-F4082-E114	X
Xeon Silver 4214R 12C 2.4GHz 100W	S26361-F4082-E814	X
Xeon Silver 4216 16C 2.1GHz 100W	S26361-F4082-E116	X
<p><b>Xeon Silver 4200 - Frequency Optimized</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2400 MHz &amp; UPI Bus @ 9.6 GT/s</p>		
Xeon Silver 4215 8C 2.5GHz 85W	S26361-F4082-E115	X
Xeon Silver 4215R 8C 3.2GHz 130W	S26361-F4082-E815	X
<p><b>Xeon Gold 5200 - Advanced AEP enabled</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz &amp; UPI Bus @ 10.4 GT/s</p>		
Xeon Gold 5215 10C 2.5GHz 85W	S26361-F4082-E215	X
Xeon Gold 5217 8C 3.0GHz 115W	S26361-F4082-E217	X
Xeon Gold 5218 16C 2.3GHz 125W	S26361-F4082-E218	X
Xeon Gold 5218R 20C 2.1GHz 125W	S26361-F4082-E818	X
Xeon Gold 5220 18C 2.2GHz 125W	S26361-F4082-E220	X
Xeon Gold 5220R 24C 2.2GHz 150W	S26361-F4082-E820	X
<p><b>Xeon Gold 5200 - Advanced AEP enabled</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz &amp; UPI Bus @ 10.4 GT/s</p>		
Xeon Gold 5222 4C 3.8GHz 105W	S26361-F4082-E222	X
<p><b>Xeon Gold 6200 - Advanced AEP enabled</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz &amp; UPI Bus @ 10.4 GT/s</p>		
Xeon Gold 6226 12C 2.7GHz 125W	S26361-F4082-E326	X
Xeon Gold 6226R 16C 2.9GHz 150W	S26361-F4082-E826	X
Xeon Gold 6230 20C 2.1GHz 125W	S26361-F4082-E330	X
Xeon Gold 6230R 26C 2.1GHz 150W	S26361-F4082-E830	X
Xeon Gold 6234 8C 3.4GHz 130W	S26361-F4082-E334	X
Xeon Gold 6238 22C 2.1GHz 140W	S26361-F4082-E338	X
Xeon Gold 6238R 28C 2.2GHz 165W	S26361-F4082-E838	X
Xeon Gold 6240 18C 2.6GHz 150W	S26361-F4082-E340	X
Xeon Gold 6240R 24C 2.4GHz 165W	S26361-F4082-E840	X
Xeon Gold 6242 16C 2.8GHz 150W	S26361-F4082-E342	X
Xeon Gold 6242R 20C 3.1GHz 205W	S26361-F4082-E842	X
Xeon Gold 6244 8C 3.6GHz 150W	S26361-F4082-E344	X
Xeon Gold 6246 12C 3.3GHz 165W	S26361-F4082-E346	X
Xeon Gold 6246R 16C 3.4GHz 205W	S26361-F4082-E846	X
Xeon Gold 6248 20C 2.5GHz 150W	S26361-F4082-E348	X
Xeon Gold 6248R 24C 3.0GHz 205W	S26361-F4082-E848	X
Xeon Gold 6250 8C 3.9GHz 185W	S26361-F4082-E850	X
Xeon Gold 6252 24C 2.1GHz 150W	S26361-F4082-E352	X
Xeon Gold 6254 18C 3.1GHz 200W	S26361-F4082-E354	X
Xeon Gold 6256 12C 3.6GHz 205W	S26361-F4082-E856	X
Xeon Gold 6258R 28C 2.7GHz 205W	S26361-F4082-E858	X
<p><b>Xeon Platinum 8200 Advanced AEP enabled</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz &amp; UPI Bus @ 10.4 GT/s</p>		
Xeon Platinum 8260 24C 2.4GHz 165W	S26361-F4082-E360	X
Xeon Platinum 8268 24C 2.9GHz 205W	S26361-F4082-E368	X
Xeon Platinum 8270 26C 2.7GHz 205W	S26361-F4082-E370	X
Xeon Platinum 8276 28C 2.2GHz 165W	S26361-F4082-E376	X
Xeon Platinum 8280 28C 2.7GHz 205W	S26361-F4082-E380	X
<p><b>Xeon Gold 5200M - Advanced (Shelf 3; 2.0TB p. Socket)</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz &amp; UPI Bus @ 10.4 GT/s</p>		
Xeon Gold 5215M 10C 2.5GHz 85W	S26361-F4082-E415	X
<p><b>Xeon Gold 6200M - Advanced (Shelf 3; 2.0TB p. Socket)</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz &amp; UPI Bus @ 10.4 GT/s</p>		
Xeon Gold 6238M 22C 2.1GHz 140W	S26361-F4082-E438	X
Xeon Gold 6240M 18C 2.6GHz 150W	S26361-F4082-E440	X
<p><b>Xeon Platinum 8200M - Advanced (2.0 TB p. Socket)</b>                      64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz &amp; UPI Bus @ 10.4 GT/s</p>		
Xeon Platinum 8260M 24C 2.4GHz 165W	S26361-F4082-E460	X
Xeon Platinum 8276M 28C 2.2GHz 165W	S26361-F4082-E476	X
Xeon Platinum 8280M 28C 2.7GHz 205W	S26361-F4082-E480	X
B1		

**B1**

<b>Xeon Silver 4200 - Speed Select</b>			
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & QPI Bus @ 10.4 GT/s			
Xeon Silver 4214Y 8/10/12C 2.2GHz 85W	S26361-F4082-E614		X
<b>Xeon Gold 6200 - Speed Select AEP enabled</b>			
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & QPI Bus @ 10.4 GT/s			
Xeon Gold 6240Y 8/14/18C 2.6GHz 150W	S26361-F4082-E640		X
<b>Xeon Platinum 8200 - Speed Select AEP enabled</b>			
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2400 MHz & QPI Bus @ 9.6 GT/s			
Xeon Platinum 8260Y 16/20/24C 2.4GHz 165W	S26361-F4082-E660		X
<b>Xeon Gold 5200S - Serched Optimized</b>			
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		X
<b>Xeon Gold 6200V - VM Optimized</b>			
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		X
Xeon Gold 6262V 24C 1.9GHz 135W	S26361-F4082-E362		X

**C**

**Chapter 3 - CPU (CX2550 M5)**

B				Base Units	
<p>There are 2 processor sockets available. Please configure 1 or 2 Processors.                      &gt;&gt; All processors have to be the same type.                      &gt;&gt; With one processor LOM, iRMC and 8x DIMM slots are available                      &gt;&gt; With two processors all 16x DIMM slots are available.                      &gt;&gt; To configure 2nd CPU an additional cooler kit is required.                      &gt;&gt; Empty CPU slot have to be filled up with a CPU Dummy! * HT = Hyper Threading</p> <p><b>Restriction for CPUs above 150W TDP:</b>                      Ambient temperature requirement for CPUs between 150W and 165W TDP is 30°C                      CPUs above 165W TDP require a liquid cooled base unit</p> <p>Liquid cooling base unit requires always 2 CPUs</p> <p><b>Restriction for ErP Lot9:</b></p> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">                     &gt;&gt; Xeon Bronze 3204 is not orderable.                      &gt;&gt; 1 DIMM configuration is not orderable.                       These configuration is not allowed to ship in EU/EFTA countries to comply with ErP Lot 9 regulation.                 </div>				Standard (S26361-K1688-V100) Liquid Cooled (S26361-K1688-V200)	
<b>Xeon Gold 5200 - Advanced AEP enabled</b>					
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & UPI Bus @ 10.4 GT/s					
Xeon Gold 5215 10C 2.6GHz 85W	S26361-F4082-E215	S26361-F4082-L215	X	X	
Xeon Gold 5217 8C 3.0GHz 115W	S26361-F4082-E217	S26361-F4082-L217	X	X	
Xeon Gold 5218 16C 2.3GHz 125W	S26361-F4082-E218	S26361-F4082-L218	X	X	
Xeon Gold 5218R 20C 2.1GHz 125W	S26361-F4082-E818	S26361-F4082-L818	X	X	
Xeon Gold 5220 18C 2.2GHz 125W	S26361-F4082-E220	S26361-F4082-L220	X	X	
Xeon Gold 5220R 24C 2.2GHz 150W	S26361-F4082-E820	S26361-F4082-L820	X	X	
<b>Xeon Gold 5200 - Advanced AEP enabled</b>					
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	X	X	
<b>Xeon Gold 6200 - Advanced AEP enabled</b>					
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2933 MHz & UPI Bus @ 10.4 GT/s					
Xeon Gold 6226 12C 2.7GHz 125W	S26361-F4082-E326	S26361-F4082-L326	X	X	
Xeon Gold 6226R 16C 2.9GHz 150W	S26361-F4082-E826	S26361-F4082-L826	X	X	
Xeon Gold 6230 20C 2.1GHz 125W	S26361-F4082-E330	S26361-F4082-L330	X	X	
Xeon Gold 6230R 26C 2.1GHz 150W	S26361-F4082-E830	S26361-F4082-L830	X	X	
Xeon Gold 6234 8C 3.4GHz 130W	S26361-F4082-E334	S26361-F4082-L334	X	X	
Xeon Gold 6238 22C 2.1GHz 140W	S26361-F4082-E338	S26361-F4082-L338	X	X	
Xeon Gold 6238R 28C 2.2GHz 165W	S26361-F4082-E838	S26361-F4082-L838	X	X	
Xeon Gold 6240 18C 2.6GHz 150W	S26361-F4082-E340	S26361-F4082-L340	X	X	
Xeon Gold 6240R 24C 2.4GHz 165W	S26361-F4082-E840	S26361-F4082-L840	X	X	
Xeon Gold 6242 16C 2.8GHz 150W	S26361-F4082-E342	S26361-F4082-L342	X	X	
Xeon Gold 6242R 20C 3.1GHz 205W	S26361-F4082-E842			X	
Xeon Gold 6244 8C 3.6GHz 150W	S26361-F4082-E344			X	
Xeon Gold 6246 12C 3.3GHz 165W	S26361-F4082-E346	S26361-F4082-L346		X	
Xeon Gold 6246R 16C 3.4GHz 205W	S26361-F4082-E846			X	
Xeon Gold 6248 20C 2.5GHz 150W	S26361-F4082-E348	S26361-F4082-L348	X	X	
Xeon Gold 6248R 24C 3.0GHz 205W	S26361-F4082-E848			X	
Xeon Gold 6250 8C 3.9GHz 185W	S26361-F4082-E850			X	
Xeon Gold 6252 24C 2.1GHz 150W	S26361-F4082-E352	S26361-F4082-L352	X	X	
Xeon Gold 6254 18C 3.1GHz 200W	S26361-F4082-E354			X	
Xeon Gold 6256 12C 3.6GHz 205W	S26361-F4082-E856			X	
Xeon Gold 6258R 28C 2.7GHz 205W	S26361-F4082-E858			X	
<b>Xeon Platinum 8200 Advanced AEP enabled</b>					
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	X	X	
Xeon Platinum 8268 24C 2.9GHz 205W	S26361-F4082-E368			X	
Xeon Platinum 8270 26C 2.7GHz 205W	S26361-F4082-E370			X	
Xeon Platinum 8276 28C 2.2GHz 165W	S26361-F4082-E376	S26361-F4082-L376	X	X	
Xeon Platinum 8280 28C 2.7GHz 205W	S26361-F4082-E380			X	
<b>Xeon Gold 5200M - Advanced (Shelf 3; 2.0TB p. Socket)</b>					
64-bit Intel Xeon processor supporting HT*, DDR4 @ 2666 MHz & UPI Bus @ 10.4 GT/s					
Xeon Gold 5215M 10C 2.5GHz 85W	S26361-F4082-E415	S26361-F4082-L415	X	X	
<b>Xeon Gold 6200M - Advanced (Shelf 3; 2.0TB p. Socket)</b>					
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	X	X	
Xeon Gold 6240M 18C 2.6GHz 150W	S26361-F4082-E440	S26361-F4082-L440	X	X	
<b>Xeon Platinum 8200M - Advanced (2.0 TB p. Socket)</b>					
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	X	X	
Xeon Platinum 8276M 28C 2.2GHz 165W	S26361-F4082-E476	S26361-F4082-L476	X	X	
Xeon Platinum 8280M 28C 2.7GHz 205W	S26361-F4082-E480			X	

B1

**B1**

<b>Xeon Gold 6200Y - Speed Select</b>					
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				X
<b>Xeon Platinum 8200Y - Speed Select</b>					
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		X	X
<b>Xeon Gold 5200S - Serched Optimized</b>					
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-E221		X	X
<b>Xeon Gold 6200V - VM Optimized</b>					
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		X	X
Xeon Gold 6262V 24C 1.9GHz 135W	S26361-F4082-E362	S26361-F4082-L362		X	X
<b>Cooler Kit (see comment above; for upgrade please use according kit to the selected CPU)</b>					
Cooling Kit 2nd CPU	S26361-F3849-E100			X	
Cooling Kit for 2nd CPU (upgrade option for Standard BU)		S26361-F4051-L950		X	

**C**



**Chapter 4 - DDR4 System memory**

C

**Node CX2550 / CX2560 / CX2570 M5**

16x DIMM configuration (Mix configuration for 1DPC / 2DPC)

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:  
 256 GB DDR4 RDIMM (8x 32GB 2Rx4)  
 1.024 GB DDR4 LRDIMM (8x 128GB 4Rx4)  
 1.792 GB with 6x DDR4 128GB & 2x DCPMM 512 GB (CPU type with "M" at the end is required)

**Max memory capacity is 1.024GB/CPU. If >1.024GB/CPU is required, please take CPU type with "M" at the end.**

Supported memory capacities per System:  
 512 GB using RDIMM  
 2.048 GB using LRDIMM technology with 128GB per module  
 3.584 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



**CX2550 M5/CX2550 M5 LC does not support Rank Sparing Mode / Mirrored Channel Mode**

<b>S26361-F3694-E10</b>	Independent Mode Installation
Independent Channel Mode allows all channels to be populated in any order. No specific Memory RAS features are defined	
Requires minimum 1 memory Module per CPU	
<b>S26361-F3694-E1</b>	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.	
<b>Not supported with DCPMM modules!</b>	
Requires minimum 2x 1R/2R or 1x 4R/8R modules per CPU	
<b>S26361-F3694-E2</b>	Performance Mode Installation
BIOS Setup factory preinstalled for maximum Performance, six identical memory modules will be equipped in one memory bank to achieve highest memory performance. All six modules are active and full capacity can be used.	
<b>Not supported with DCPMM modules!</b>	
Multiple of 6 identical modules to be configured per CPU	
<b>S26361-F3694-E3</b>	Mirrored Channel Mode Installation
BIOS Setup factory preinstalled to this mode. Six identical memory modules are always equipped in one memory bank to use the Mirrored channel Mode. Only three modules contain active data, the remain three modules contain mirrored data.	
<b>Not supported with DCPMM modules!</b>	
Multiple of 6 identical modules to be configured per CPU	



**Resulting memory capacity / Rank Sparing Mode, 1 Channel populated**

	RDIMM				LRDIMM							
	16GB	1R	16GB	2R	32GB	2R	64GB	4R	128GB	4R	128GB	8R
1DPC			8GB		16GB		48GB		96GB		64GB	

**Restriction for ErP Lot9:**

- >> Xeon Bronze 3204 is not orderable.
- >> 1 DIMM configuration is not orderable.

This configuration is not allowed to ship in EU/EFTA countries to comply with ErP Lot 9 regulation.

**DDR4 rg 2933 xRx8**

8GB (1x8GB) 1Rx8 DDR4-2933 R ECC	<b>S26361-F4083-E608</b>	<b>S26361-F4083-L608</b>
16GB (1x16GB) 2Rx8 DDR4-2933 R ECC	<b>S26361-F4083-E616</b>	<b>S26361-F4083-L616</b>

**DDR4 rg 2933 xRx4**

16GB (1x16GB) 1Rx4 DDR4-2933 R ECC	<b>S26361-F4083-E816</b>	<b>S26361-F4083-L816</b>
32GB (1x32GB) 2Rx4 DDR4-2933 R ECC	<b>S26361-F4083-E832</b>	<b>S26361-F4083-L832</b>
64GB (1x64GB) 2Rx4 DDR4-2933 R ECC	<b>S26361-F4083-E864</b>	<b>S26361-F4083-L864</b>

**DDR4 lr 2933**

64GB (1x64GB) 4Rx4 DDR4-2933 LR ECC	<b>S26361-F4083-E964</b>	<b>S26361-F4083-L964</b>
128GB (1x128GB) 4Rx4 DDR4-2933 LR ECC	<b>S26361-F4083-E928</b>	<b>S26361-F4083-L928</b>

As soon as available

**DDR4 lr 2933 3DS**

128GB (1x128GB) 8Rx4 DDR4-2933 LR ECC	<b>S26361-F4083-E929</b>	<b>S26361-F4083-L929</b>
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**DCPMM configuration section**



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

<b>DCPMM 128GB 2666 (Apache Pass)</b>			
128GB (1x128GB) DCPMM-2666	S26361-F4083-E501	S26361-F4083-L501	EOL

<b>Available Memory Packages</b>			
96GB (6x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E817		EOL
192GB (6x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E833		EOL
384GB (6x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E965		EOL

<b>DCPMM 128GB 2666 (Apache Pass)</b>			
256GB (2x128GB) DCPMM-2666	S26361-F4083-E521		EOL

<b>Available Memory Packages</b>			
96GB (6x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E817		EOL
192GB (6x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E833		EOL
384GB (6x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E965		EOL
64GB (4x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E818		EOL
128GB (4x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E834		EOL
256GB (4x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E966		EOL

<b>DCPMM 256GB 2666 (Apache Pass)</b>			
256GB (1x256GB) DCPMM-2666	S26361-F4083-E502	S26361-F4083-L502	EOL

<b>Available Memory Packages</b>			
96GB (6x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E817		
192GB (6x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E833		
384GB (6x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E965		

<b>DCPMM 256GB 2666 (Apache Pass)</b>			
512GB (2x256GB) DCPMM-2666	S26361-F4083-E522		EOL

<b>Available Memory Packages</b>			
96GB (6x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E817		
192GB (6x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E833		
384GB (6x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E965		
64GB (4x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E818		
128GB (4x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E834		
256GB (4x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E966		

<b>DCPMM 512GB 2666 (Apache Pass)</b>			
512GB (1x512GB) DCPMM-2666	S26361-F4083-E503	S26361-F4083-L503	EOL

<b>Available Memory Packages</b>			
384GB (6x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E965		

<b>DCPMM 512GB 2666 (Apache Pass)</b>			
1024GB (2x512GB) DCPMM-2666	S26361-F4083-E523		EOL

<b>Available Memory Packages</b>			
96GB (6x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E817		
192GB (6x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E833		
384GB (6x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E965		
768GB (6x128GB) 8Rx4 DDR4-2933 R ECC	S26361-F4083-E931		
64GB (4x16GB) 1Rx4 DDR4-2933 R ECC	S26361-F4083-E818		
128GB (4x32GB) 2Rx4 DDR4-2933 R ECC	S26361-F4083-E834		
256GB (4x64GB) 4Rx4 DDR4-2933 LR ECC	S26361-F4083-E966		

D

Detailed information

Mode	Configuration	RDIMM		Use case, advantage
		x8	LRDIMM x4	
SDDC (chipkill) support	any	no	yes	supports detecting multi-bit errors
Independent 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
Performance mode	6 identical Modules / Bank	yes	yes	offers maximum performance and capacity
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.

For CX2550 M5 / CX2550 M5 LC / CX2560 M5 / CX2570 M5 LC

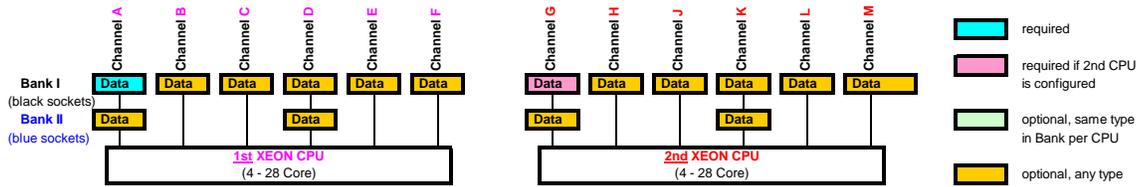
Capacity	Configuration	RDIMM	LRDIMM	Notes
Min. Memory per CPU	1 Module / CPU	1x8GB	1x64GB	with one CPU
Max. Memory per CPU	8 Modules / CPU	8x32GB	8x128GB	with one CPU
Max. Memory per System	16 Modules / System	512GB	2,048GB	if second CPU is configured

The memory sockets on the Systemboards are color coded

Bank I	black sockets	Bank II	blue sockets
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Independent channel mode

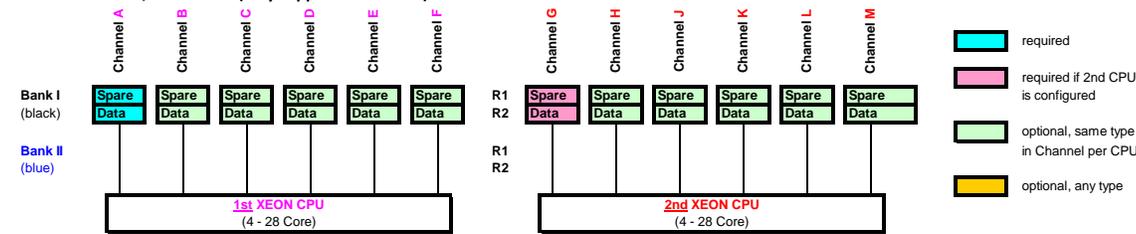
For Node CX2550/CX2560/CX2570 M5



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

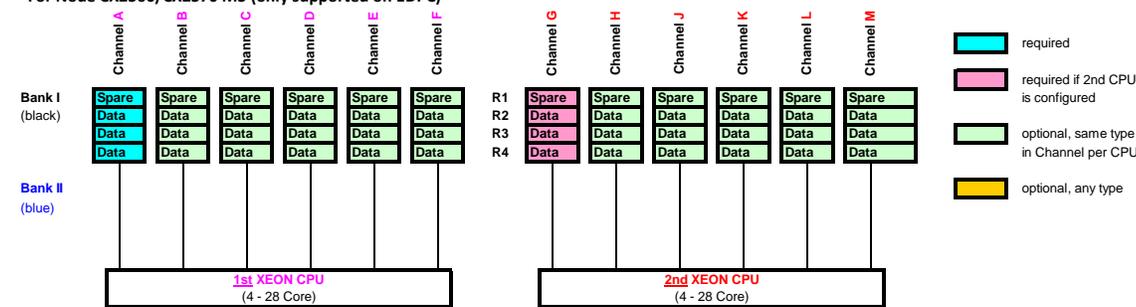
No support for 1 RANK Memory module

For Node CX2560/CX2570 M5 (only supported on 1DPC)

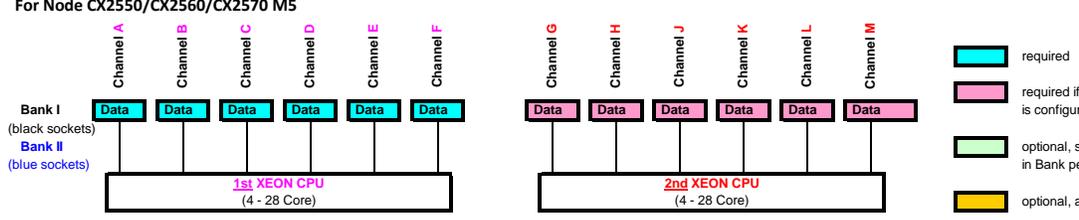


Rank sparing mode --- 4-Rank Memory modules (LRDIMM)

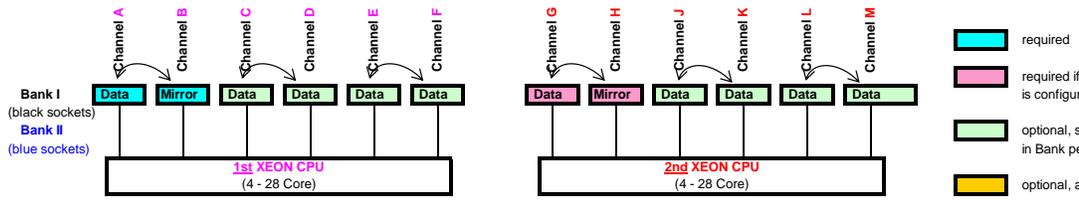
For Node CX2560/CX2570 M5 (only supported on 1DPC)



**Performance Channel Mode**

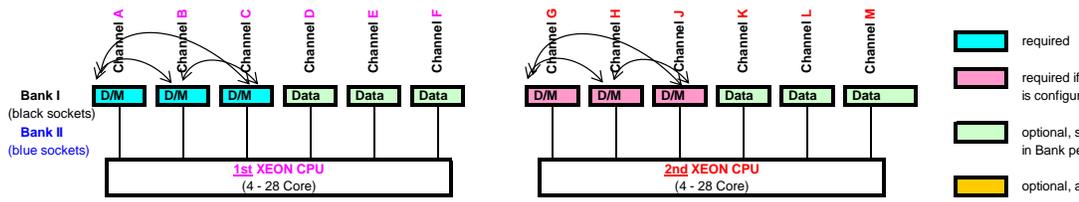


**Mirror Channel Mode (2 DIMMS per CPU) For Node CX2560/CX2570 M5 (only supported on 1DPC)**



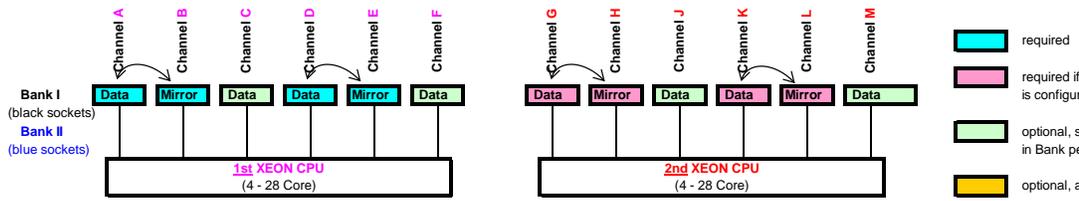
Mirrored Channel Mode (2 DIMMs per CPU) requires identical modules on channel A & B (1st CPU) or channel G & H (2nd CPU) 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory. If this mode is used, a multiple of 2 identical modules has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

**Mirror Channel Mode (3 DIMMS per CPU) For Node CX2560/CX2570 M5 (only supported on 1DPC)**



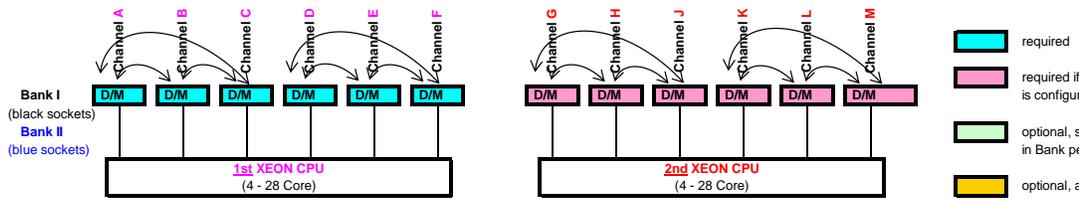
Mirrored Channel Mode (3 DIMMs per CPU) requires identical modules on channel A, B & C (1st CPU) or channel G, H & J (2nd CPU) 50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory. If this mode is used, a multiple of 3 identical modules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

**Mirror Channel Mode (4 DIMMS per CPU) For Node CX2560/CX2570 M5 (only supported on 1DPC)**



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) For Node CX2560/CX2570 M5 (only supported on 1DPC)**



Mirrored Channel Mode (6 DIMMs per CPU) 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	iMC1						iMC0						
	Channel 5		Channel 4		Channel 3		Channel 2		Channel 1		Channel 0		
	Bank II	Bank I											
AD	16		16	128	16		16		16	128	16		2-1-1
AD	32		32	128	32		32		32	128	32		2-1-1
AD	64		64	128	64		64		64	128	64		2-1-1
AD + MM	16		16	256	16		16		16	256	16		2-1-1
AD	32		32	256	32		32		32	256	32		2-1-1
AD	64		64	256	64		64		64	256	64		2-1-1
AD + MM	16		16	512	16		16		16	512	16		2-1-1
AD + MM	32		32	512	32		32		32	512	32		2-1-1
AD	64		64	512	64		64		64	512	64		2-1-1
AD	128		128	512	128		128		128	512	128		2-1-1
AD + MM	128		16		16		128		16		16		1-1-1
AD	128		32		32		128		32		32		1-1-1
AD	128		64		64		128		64		64		1-1-1
AD + MM	256		16		16		256		16		16		1-1-1
AD + MM	256		32		32		256		32		32		1-1-1
AD	256		64		64		256		64		64		1-1-1
AD + MM	512		16		16		512		16		16		1-1-1
AD + MM	512		32		32		512		32		32		1-1-1
AD + MM	512		64		64		512		64		64		1-1-1
AD	16		16		16		16		16	128	16		2/1-1-1
AD	32		32		32		32		32	128	32		2/1-1-1
AD	64		64		64		64		64	128	64		2/1-1-1
AD	16		16		16		16		16	256	16		2/1-1-1
AD	32		32		32		32		32	256	32		2/1-1-1
AD	64		64		64		64		64	256	64		2/1-1-1
AD	64		64		64		64		64	512	64		2/1-1-1

**Chapter 5 - Graphics options**

D

**NVIDIA Tesla V100 for SXM2**

CX400 M4 -for APAC ONLY

Liquid cooling

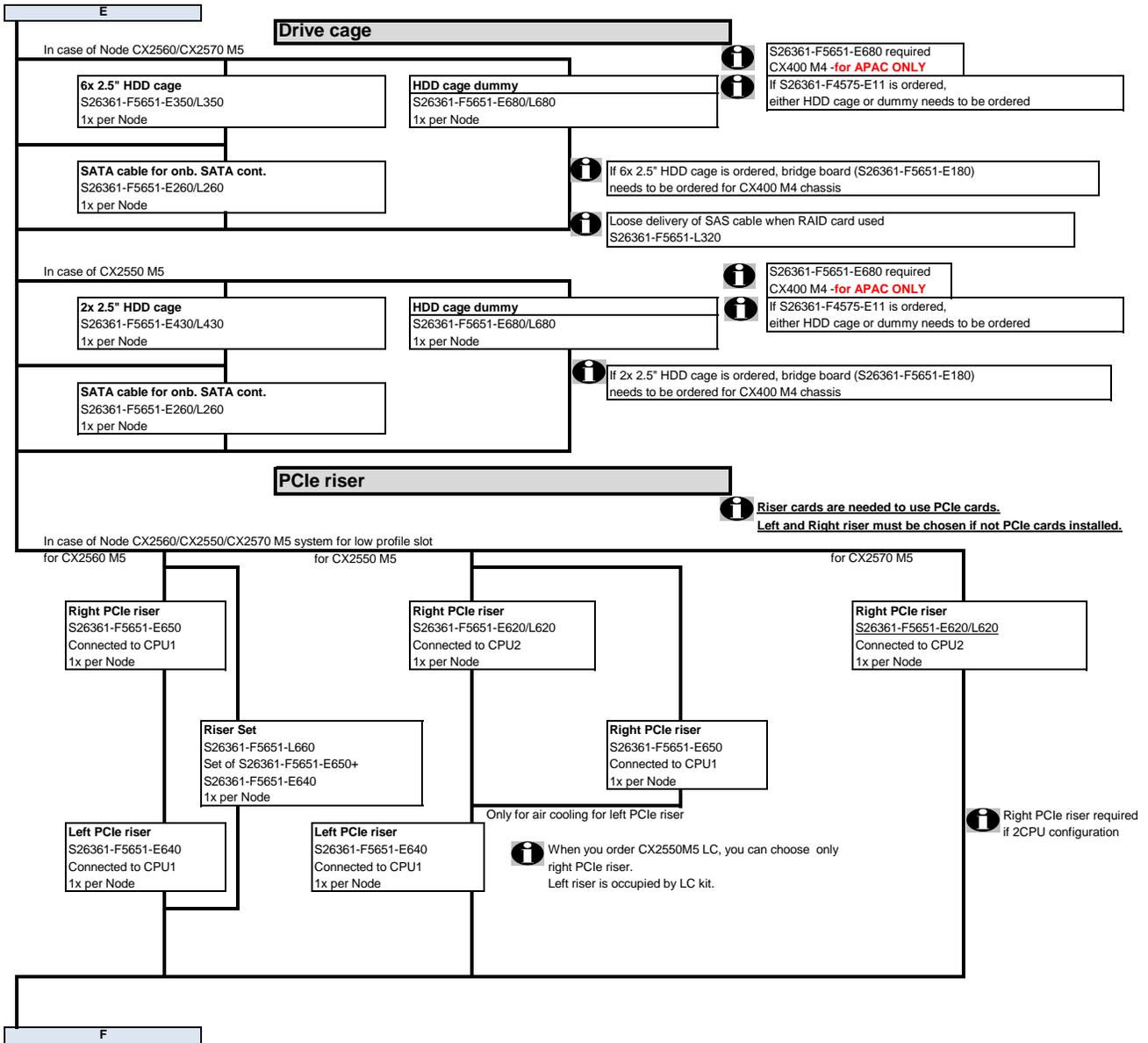
<b>S26361-F4025-E202/L202</b>
PY NVIDIA Tesla V100 for SXM2
NVIDIA Tesla V100 with 5120 graphic cores & <b>32GB</b> HBM2 memory. NVLink
power cables from PSU need to be ordered separately. 2400 PSU is recommended
PCIe *16 (Gen3) - mezz type
<b>Support OS is only RHEL7</b>
min./max. 4x per CX2570 M5 LC (SXM2)



Basic unit for CX2570M5 (SXM2) Always 4x SXM2 required
---

E

**Chapter 6 - Drive cage and PCIe riser options**



**Chapter 7 - SAS / RAID Controller**

G

onboard SATA controller with SW-RAID [for all CX2550 / CX2560 / CX2570 M5](#)  
 CX400 M4 -for APAC ONLY

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

**Note: Not possible to use Software RAID with RHEL 7.6**

internal HBA and RAID controller, no 2nd Level cache [Support for CX2550 / CX2560 Air cooling](#)

**Note: Not possible to connect HSGT Bear Cove Plus**

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		1x	S26361-F3842-E1 S26361-F3842-L501
PSAS CP400i HBA SAS Contr.	No Cache	HBA + RAID 0, 1		1x	S26361-F3842-E2 S26361-F3842-L502
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, supports up to 8 devices without expander requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3008					
internal drive RAID / HBA controllers for SAS, SATA HDD or SSD drives					
PRAID CP500i RAID Contr.	No Cache	RAID 0, 1, 10, 5, 50		1x	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		1x	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; <a href="#">supported only for CX2560</a>					
PSAS CP503i HBA SAS Contr. for vSAN	No Cache	HBA, no RAID		1x	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 CX2560					

**PSAS CP500e and PSAS CP400i cannot be mixed**

internal RAID controller with 2nd Level cache 1GB, 2GB [Support for CX2550 / CX2560 cooling](#)  
[FBU is supported only for CX2560.](#)

internal drive RAID / SAS, SATA controllers with Cache and opt. TFM module + Flash Backup Unit and opt. Advanced SW Options					
PRAID EP400i RAID Contr.	1GB Cache	RAID 0,1,1E,10,5,50,6,60		1x	S26361-F5243-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				1x	S26361-F5243-E670 S26361-F5243-L670
optional Transportable Flash module (TFM) and Flash Backup Unit (FBU), both components required					
TFM module for 1GB Cache	NV-RAM & FBU control logic			1x	S26361-F5243-E100 S26361-F5243-L100
FBU Option for PRAID EP4xx	Supercap securing the power supply of the RAID controller in case of power failure including cable with 55cm length			1x	S26361-F5243-E156 S26361-F5243-L112
PRAID EP420i RAID Contr.	2GB Cache	RAID 0,1,1E,10,5,50,6,60		1x	S26361-F5243-E12 S26361-F5243-L12
PRAID EP420i for SafeStore R. Contr.	2GB Cache	RAID 0,1,1E,10,5,50,6,60		1x	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				1x	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			1x	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			1x	S26361-F5243-E156 S26361-F5243-L112

**Note: If you would like to order FBU option, 2nd CPU must be installed to Node.**

internal SAS, SATA RAID controller with 2nd Level cache 2GB [Support for CX2550 / CX2560 cooling](#)

internal drive RAID / SAS controllers for SAS, SATA HDD or SSD drives					
PRAID EP520i RAID Contr. LP	2GB Cache	RAID 0,1,1E,10,5,50,6,60		1x	S26361-F4042-E202 S26361-F4042-L502
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD, supports up to 8 devices without expander includes Fastpath and SafeStore Advanced SW-Licence requires 1x LP PCIe 3.0 x8 (int.) slot, based on LSI SAS3516					

**Check:** the FBU can / cannot be combined with Advanced Thermal design.  
**Check:** how many FBU can be integrated per System

CacheCade + FastPath is supported  
 SafeStore + FastPath is supported

**G**

external SAS controller

**\*\*It is strongly recommended to order SafeStore (SED) RAID controller with SED HDD or SSD devices for SafeStore (SED) functionality**  
Support for CX2550 / CX2560 Air cooling

HBA controller for ext. drives SAS, SATA HDD or SSD drives						
PSAS CP500e HBA SAS Contr. LP	No Cache	HBA, no RAID	1x	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						

RAID / SAS, SATA controllers for external drives with Cache and opt. Flash Backup Unit						
PRAID EP540e RAID Contr. LP	4GB Cache	RAID 0,1,1E,10,5,50,6,60	1x	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 for base V101: Supercap securing the power supply of the RAID controller in case of power failure including cable with 25cm length			1x	S26361-F4042-E125	S26361-F4042-L110	
FBU Option for PRAID EP5xx for base V301,V501: Supercap securing the power supply of the RAID contr. in case of power failure including cable with 70cm length			1x	S26361-F4042-E170	S26361-F4042-L110	

**Note:If you would like to order FBU option, 2nd CPU must be installed to Node.**

**H**

**Chapter 8 - ODD optical disk drives**

No internal ODD support



**Chapter 9 - backup drives**

No internal backup drive support



CX400 M4 -for APAC ONLY

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CX400 M4 -for APAC ONLY

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**Chapter 10 - storage drives**

H

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 (=emulation) HDD: 4K physical sectors on the drive media with 512 byte logical configuration.  
 512e HDD Disk Drives: VMware is not supported.  
 512n & 512e HDDs can be mixed, but cannot be used in one logical RAID volume.  
 When using SSDs with VMware ESXi, select the SSDs that meet the endurance requirement described in KB2145210 below.  
<https://kb.vmware.com/kb/2145210>  
 DWPD (5y): 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:**  
 Business-Critical (BC) -SATA=Nearline SATA Enterprise Drives / 7.2Krpm, SATA 6G.  
 Business-Critical (BC) -SAS=Nearline SAS Enterprise Drives / 7.2Krpm, SAS 6G or 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

**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-E1600	S26361-F5865-L1600
400GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	S26361-F5866-E400	S26361-F5866-L400
800GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	S26361-F5866-E800	S26361-F5866-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	S26361-F5866-E1600	S26361-F5866-L1600

max. 6x - CX2560 M5 / CX2570 M5 with air cooling

**SSD SAS 2.5" Write Intensive (SFF) Enterprise with hot plug/hot replace tray**  
 based on **Toshiba Phoenix-M5**

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-E1600	S26361-F5710-L1600
400GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	S26361-F5711-E400	S26361-F5711-L400
800GB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	S26361-F5711-E800	S26361-F5711-L800
1.6TB	2.5" (SFF)	SAS 12Gb/s	Write Intensive	10	S26361-F5711-E1600	S26361-F5711-L1600

max. 4x - CX2560 M5 / CX2570 M5 with air cooling, **Mixing with other HDD/SSD is not possible**

**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-E1600	S26361-F5868-L1600
3.2TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3	S26361-F5868-E3200	S26361-F5868-L3200
6.4TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3	S26361-F5868-E6400	S26361-F5868-L6400

max. 6x - CX2560 M5 / CX2570 M5 with air cooling

**SSD SAS 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray**  
 based on **HSGT Bear Cove Plus**

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-E1600	S26361-F5713-L1600
3.2TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3	S26361-F5713-E3200	S26361-F5713-L3200
6.4TB	2.5" (SFF)	SAS 12Gb/s	Mixed Use	3	S26361-F5713-E6400	S26361-F5713-L6400

max. 6x - CX2560 M5 / CX2570 M5 with air cooling

**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-E1920	S26361-F5870-L1920
3.84TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1	S26361-F5870-E3840	S26361-F5870-L3840
7.68TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1	S26361-F5870-E7680	S26361-F5870-L7680
15.36TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1	S26361-F5870-E15360	S26361-F5870-L15360

max. 6x - CX2560 M5 / CX2570 M5 with air cooling

**SSD SAS 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray**  
 based on **HSGT Bear Cove Plus**

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-E1920	S26361-F5715-L1920
3.84TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1	S26361-F5715-E3840	S26361-F5715-L3840
7.68TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1	S26361-F5715-E7680	S26361-F5715-L7680
15.36TB	2.5" (SFF)	SAS 12Gb/s	Read Intensive	1	S26361-F5715-E15360	S26361-F5715-L15360

max. 6x - CX2560 M5 / CX2570 M5 with air cooling

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. 6x - CX2560 M5 / CX2570 M5, max. 2x - CX2550 M5

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. 6x - CX2560 M5 / CX2570 M5, max. 2x - CX2550 M5

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-F5675-E240	S26361-F5675-L240
480GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5675-E480	S26361-F5675-L480
960GB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5588-E960	S26361-F5588-L960
1.92TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3		S26361-F5588-E192	S26361-F5588-L192
3.84TB	2.5" (SFF)	SATA 6Gb/s	Mixed Use	3,6		S26361-F5588-E384	S26361-F5588-L384

max. 6x - CX2560 M5 / CX2570 M5, max. 2x - CX2550 M5

Samsung SM883  
EOL, as long as stock available

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. 6x - CX2560 M5 / CX2570 M5, max. 2x - CX2550 M5

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. 6x - CX2560 M5 / CX2570 M5, max. 2x - CX2550 M5

SSD SATA 2.5" Read Intensive (SFF) Enterprise with hot plug/hot replace tray							
based on Micron 5100/5200 drives							
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. 6x - CX2560 M5 / CX2570 M5, max. 2x - CX2550 M5

Micron 5100/5200

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2.5" (SFF) Hard drives

EOL, as long as stock available

Note: If HDD selected, CPU must be below 140W and Ambient temperature is below 30 deg-C.

HDD SAS 2.5" 15K (SFF) Enterprise Mission Critical with hot plug/hot replace tray					
Capacity	RPM	Interface	Sector	order code E-part	order code L-part
300GB	15 000	SAS 12Gb/s	512n	S26361-F5531-E530	S26361-F5531-L530
600GB	15 000	SAS 12Gb/s	512n	S26361-F5531-E560	S26361-F5531-L560
900GB	15 000	SAS 12Gb/s	512n	S26361-F5531-E590	S26361-F5531-L590

max. 6x - CX2560 M5

Note: If HDD selected, CPU must be below 140W and Ambient temperature is below 30 deg-C.

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
600GB	10 000	SAS 12Gb/s	512n	S26361-F5720-E160	S26361-F5720-L160
900GB	10 000	SAS 12Gb/s	512n	S26361-F5550-E190	S26361-F5550-L190
1.2TB	10 000	SAS 12Gb/s	512n	S26361-F5550-E112	S26361-F5550-L112
300GB	10 000	SAS 12Gb/s	512n	S26361-F5581-E130	S26361-F5581-L130

max. 6x - CX2560 M5

Note: If HDD selected, CPU must be below 140W and Ambient temperature is below 30 deg-C.

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
900GB	10 000	SAS 12Gb/s	512e	S26361-F5543-E190	S26361-F5543-L190
1.2TB	10 000	SAS 12Gb/s	512e	S26361-F5543-E112	S26361-F5543-L112
1.8TB	10 000	SAS 12Gb/s	512e	S26361-F5543-E118	S26361-F5543-L118

max. 6x - CX2560 M5

EOL, as long as stock available

Note: If HDD selected, CPU must be below 140W and Ambient temperature is below 30 deg-C.

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

max. 6x - CX2560 M5

EOL, as long as stock available

Note: If HDD selected, CPU must be below 140W and Ambient temperature is below 30 deg-C.

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

max. 6x - CX2560 M5 / CX2570 M5, max. 2x - CX2550 M5

EOL, as long as stock available

Note: If HDD selected, CPU must be below 140W and Ambient temperature is below 30 deg-C.

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. 6x - CX2560 M5 / CX2570 M5, max. 2x - CX2550 M5

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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
32GB	M.2	SATA 6Gb/s		Boot	S26361-F5657-E32	S26361-F5657-L32

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 - CX2560 M5; connector located on Motherboard. 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
128GB	M.2	SATA 6Gb/s	0,13	Boot	S26361-F5658-E128	S26361-F5658-L128

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 - CX2550 M5 / CX2560 M5 / CX2570 M5; connector located on Motherboard. VMware is not supported.

SSD SATA M.2 drive for booting, non hot-plug						
Capacity	Formfactor	Interface	DWPD	Category	order code E-part	order code L-part
256GB	M.2	SATA 6Gb/s	0,13	Boot	S26361-F5658-E256	S26361-F5658-L256

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 - CX2550 M5 / CX2560 M5 / CX2570 M5; connector located on Motherboard. VMware is not supported.

Dual microSD

Dual microSD 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		TBD	TBD	

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 - CX2560 M5 / CX2570 M5; connector located on Motherboard. VMware ESXi is only supported.

2.5" (SFF) PCIe-SSD

Intel P4600 EOL

PCIe-SSD 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
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. 2x - CX2560 M5 / CX2570 M5 with air and liquid cooling

Intel P4610 EOL

PCIe-SSD 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
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. 2x - CX2560 M5 / CX2570 M5 with air and liquid cooling

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. 2x - CX2560 M5 / CX2570 M5 with air and liquid cooling

Intel P4510 EOL

PCIe-SSD 2.5" Mixed Use (SFF) Enterprise with hot plug/hot replace tray							
Capacity	Formfactor	Interface	Endurance	DWPD		order code E-part	order code L-part
1.0TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	1.0		S26361-F5738-E100	S26361-F5738-L100
2.0TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	0.7		S26361-F5738-E200	S26361-F5738-L200
4.0TB	2.5" (SFF)	PCIe3.0 x4	Mixed Use	0.8		S26361-F5738-E400	S26361-F5738-L400

max. 2x - CX2560 M5 / CX2570 M5 with air and liquid cooling

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. 2x - CX2560 M5 / CX2570 M5 with air and liquid cooling

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**Chapter 11 - LAN Components**

Default: **1x RJ45 1GbE ports on systemboard**

**x1** Dynamic LoM OCP PHY/PCIe interface cards

**For CX2560/CX2570**

**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-F5651-E530	S26361-F5651-L530
PLAN EM 2x 10Gb T OCP interface Intel	2x RJ45 plug for 10GBASE-T	S26361-F5651-E540	S26361-F5651-L540

**For CX2560/CX2570**

PLAN EM 2x 10Gb SFP+ OCP interface Intel	2x SFP+ cages for SFP+ optical transceivers or twinax cables	S26361-F5651-E510	S26361-F5651-L510
PLAN EM 4x 10Gb SFP+ OCP interface Intel	4x SFP+ cages for SFP+ optical transceivers or twinax cables	S26361-F5651-E550	S26361-F5651-L550

**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
Twinax Anschlussplatz Primergy	2x .. 4x	virtual connector for twinax cables	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	

*max. 1x per cage*

**For CX2550/CX2560/CX2570**

PLAN EP MCX4-LX 25Gb 2p SFP28 OCP	Dual Port NIC, RoCE RDMA, Mellanox	S26361-F4054-E302	S26361-F4054-L302
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**Optional, 25Gb SFP28 Optical Transceiver module with LC connector or 25G DAC or 25G AOC for PLAN EP MCX4-LX 25Gb 2p SFP28 OCP**

SFP28 Optical Transceiver 25G SR MMA2P00-AS LC	2x	MMF / SR SFP28 module, Mellanox. Max reach supported 100m	S26361-F4054-E701	S26361-F4054-L701
SFP28 Optical Transceiver 25G SR E25GSFP28SR LC	2x	MMF / SR SFP28 module, Intel. Max reach supported 30m	S26361-F4055-E701	S26361-F4055-L701
"Virtual Connector" for DAC/AOC cables	2x	Enablement for System Architect	V:DAC/AOC-CONNECTOR-25	
25G DAC - Brocade	2x	DAC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.		
25G DAC - Cisco	2x			
25G DAC - Intel	2x			
25G AOC - Brocade	2x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.		
25G AOC - Cisco	2x			
25G AOC - Intel	2x			

*Max. 2x SFP28 or DAC/AOC Cable per PLAN EP MCX4-LX 25Gb 2p SFP28 OCP*

**For CX2550/CX2560/CX2570**

PLAN EP XXV710-DA2 2x25Gb OCP Type 1	Dual Port NIC, Intel	S26361-F4055-E302	S26361-F4055-L302
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**Optional, 25G DAC or 25G AOC for PLAN EP XXV710-DA2**

SFP28 Optical Transceiver 25G SR MMA2P00-AS LC	2x	MMF / SR SFP28 module, Mellanox. Max reach supported 100m	S26361-F4054-E701	S26361-F4054-L701
SFP28 Optical Transceiver 25G SR E25GSFP28SR LC	2x	MMF / SR SFP28 module, Intel. Max reach supported 30m	S26361-F4055-E701	S26361-F4055-L701
"Virtual Connector" for DAC/AOC cables	2x	Enablement for System Architect	V:DAC/AOC-CONNECTOR-25	
25G DAC - Brocade	2x	DAC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.		
25G DAC - Cisco	2x			
25G DAC - Intel	2x			
25G AOC - Brocade	2x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.		
25G AOC - Cisco	2x			
25G AOC - Intel	2x			

*Max. 2x 25G DAC or 25G AOC Cable per PLAN EP XXV710-DA2 2x25Gb OCP Type 1. Use of SFP28 optical transceivers not allowed.*

**1Gb Ethernet network components**

**1Gb Ethernet controller with RJ45 interface (1000BASE-T)**

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

*\*max. 1 for CX2570 M5, max. 2 for CX2550/CX2560 M5*

**10Gb Ethernet network components**

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

PLAN EP X550-T2 2x10GBASE-T LP	*	2 port 10 Gbit Intel X550-T2 (Sageville)	S26361-F3948-E202	S26361-F3948-L502
PLAN EP X710-T2L 2x 10GBASE-T PCIe (Retail)	*	2 port 10 Gbit Intel	S26361-F5960-E202	S26361-F5960-L502
PLAN EP X710-T4 4x10GBASE-T LP	*	4 port 10 Gbit Intel X710-T4 (Fortville)	S26361-F3948-E204	S26361-F3948-L504

**10/1Gb Ethernet controller with SFP+ cage requires SFP+ modules or twinax cables, Fujitsu / Intel based**

Dual rate 10G/1G support requires 10G/1G Dual Rate SFP+ Optical Transceiver Modules				
PLAN EP X710-DA2 2x10Gb SFP+ LP	*	2 port NIC, Intel X710-DA2 (Fortville)	S26361-F3640-E202	S26361-F3640-L502
PLAN EP X710-DA4 4x10Gb SFP+ LP	*	4 port NIC, Intel X710-DA4 (Fortville)	S26361-F3640-E204	S26361-F3640-L504

**optional 10Gb SFP+ module with LC connector for Fujitsu / Intel based controller**

SFP+ Optical Transceiver 10G/1G Dual Rate SR	**	LC, MMF / SR SFP+ module, up to 400m, Intel	S26361-F3986-E5	S26361-F3986-L5
SFP+ Optical Transceiver 10G/1G Dual Rate LR	**	LC, SMF / LR SFP+ module, up to 10km, Intel	S26361-F3986-E6	S26361-F3986-L6
SFP+ Optical Transceiver 10G Single Rate SR	**	LC, MMF / SR SFP+ module, up to 400m, Finisar	S26361-F3986-E3	S26361-F3986-L3
SFP+ Optical Transceiver 10G Single Rate LR	**	LC, SMF / LR SFP+ module, up to 10km, Finisar	S26361-F3986-E4	S26361-F3986-L4
Twinax Anschlussplatz Primergy	**	virtual connector for twinax cables	V:TWX CONNECTOR-PY	
SFP+ active Twinax Cable Fujitsu	**	customized cable length	S26361-F3989-E600	see table at the bottom of this page
SFP+ active Twinax Cable Brocade	**	(best fitting cable length is defined during rack	S26361-F3873-E500	

*\*\*max. 4x (OCP PHY, DA4), and 2x SFP+ or Twinax Cable per controller*

*\*max. 1 for CX2570 M5, max. 2 for CX2550/CX2560 M5*

**25/10Gb Ethernet network components**

<b>25/10Gb Ethernet controller with 2x SFP28 cages (requires twinax cables or optical transceiver SFP28 or SFP+ modules)</b>					
Dual speed support, auto-sense - supports 25Gbps and 10Gbps line rate per-port					
PLAN EP QL41212 25Gb 2p SFP28 LP	*)	Dual Port NIC, iWARP & RoCE RDMA, Cavium	S26361-F4056-E202	S26361-F4056-L502	
<b>Optional, 25Gb SFP28 Optical Transceiver module with LC connector for PLAN EP QL41212 25Gb 2p SFP28</b>					
SFP28 Optical Transceiver 25G SR MMA2P00-AS LC	2x	MMF / SR SFP28 module, Mellanox. Max reach supported 100m	S26361-F4054-E701	S26361-F4054-L701	
"Virtual Connector" for DAC/AOC cables	2x	Enablement for System Architect	V:DAC/AOC-CONNECTOR-25		
25G DAC - Cisco	2x	DAC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
25G DAC - Mellanox	2x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
25G AOC - Cisco	2x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
25G AOC - Mellanox	2x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
<i>Max. 2x SFP28 or DAC/AOC Cable per PLAN EP QL41212 25Gb 2p SFP28</i>					
<b>Optional, 10Gb SFP+ Optical Transceiver module with LC connector for PLAN EP QL41212 25Gb 2p SFP28</b>					
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	
"Virtual Connector" for Twinax cables	2x	Enablement for System Architect	V:TWX CONNECTOR-10		
SFP+ active Twinax Cable - Fujitsu	2x	customized cable length	S26361-F3989-E600	see table at the bottom of this page	
SFP+ active Twinax Cable - Brocade	2x	(best fitting cable length is defined during rack installation at the factory)	S26361-F3873-E500		
SFP+ active Twinax Cable Brocade	2x				
<i>max. 2x SFP+ or Twinax Cable per PLAN EP QL41212 25Gb 2p SFP28</i>					
*) max. 2x PLAN EP QL41212 25Gb 2p SFP28 for CX2550 M5, max 2x for CX2560 M5, max 1x for CX2570 M5.					

<b>25/10Gb Ethernet controller with 2x SFP28 cages (requires twinax cables or optical transceiver SFP28 or SFP+ modules)</b>					
Multiple speed support, auto-sense - supports 25Gbps, 10Gbps and 1Gbps line rate per-port					
PLAN EP XXV710-DA2 2x25Gb LP	*)	Dual Port NIC, Intel	S26361-F4055-E202	S26361-F4055-L502	
<b>Optional, 25Gb SFP28 Optical Transceiver module with LC connector for PLAN EP XXV710-DA2</b>					
SFP28 Optical Transceiver 25G SR E25GSFP28SR LC	2x	MMF / SR SFP28 module, Intel. Max reach supported 30m	S26361-F4055-E701	S26361-F4055-L701	
SFP28 Optical Transceiver 25G SR MMA2P00-AS LC	2x	MMF / SR SFP28 module, Mellanox. Max reach supported 100m	S26361-F4054-E701	S26361-F4054-L701	
"Virtual Connector" for DAC/AOC cables	2x	Enablement for System Architect	V:DAC/AOC-CONNECTOR-25		
25G DAC - Brocade	2x	DAC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
25G DAC - Cisco	2x				
25G DAC - Intel	2x				
25G AOC - Brocade	2x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
25G AOC - Cisco	2x				
25G AOC - Intel	2x				
<i>Max. 2x SFP28 or DAC/AOC Cable per PLAN EP XXV710-DA2. No SFP28 for OCP Type 1 allowed.</i>					
<b>Optional, 10Gb SFP+ Optical Transceiver module with LC connector for PLAN EP XXV710-DA2</b>					
SFP+ Optical Transceiver 10G/1G Dual Rate SR	2x	LC, MMF / SR SFP+ module, up to 400m	S26361-F3986-E5	S26361-F3986-L5	
SFP+ Optical Transceiver 10G/1G Dual Rate LR	2x	LC, SMF / LR SFP+ module, up to 10km	S26361-F3986-E6	S26361-F3986-L6	
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	
"Virtual Connector" for Twinax cables	2x	Enablement for System Architect	V:TWX CONNECTOR-10		
SFP+ active Twinax Cable - Fujitsu	2x	customized cable length	S26361-F3989-E600	see table at the bottom of this page	
SFP+ active Twinax Cable - Brocade	2x	(best fitting cable length is defined during rack installation at the factory)	S26361-F3873-E500		
SFP+ active Twinax Cable Brocade	2x				
<i>max. 2x SFP+ or Twinax Cable per controller</i>					
*) max. 2 controllers per CX2550 M5; max. 2 controllers per CX2560 M5; max. 1 controller for CX2570 M5.					

<b>25/10Gb Ethernet controller with 2x SFP28 cages (requires twinax cables or optical transceiver SFP28 or SFP+ modules)</b>					
Dual speed support, auto-sense - supports 25Gbps and 10Gbps line rate per-port					
PLAN EP MCX4-LX 25Gb 2p SFP28 LP	*)	Dual Port NIC, RoCE RDMA, Mellanox	S26361-F4054-E202	S26361-F4054-L502	
<b>Optional, 25Gb SFP28 Optical Transceiver module with LC connector for PLAN EP MCX4-LX 25Gb 2p SFP28</b>					
SFP28 Optical Transceiver 25G SR MMA2P00-AS LC	2x	MMF / SR SFP28 module, Mellanox. Max reach supported 100m	S26361-F4054-E701	S26361-F4054-L701	
"Virtual Connector" for DAC/AOC cables	2x	Enablement for System Architect	V:DAC/AOC-CONNECTOR-25		
25G DAC - Cisco	2x	DAC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
25G DAC - Mellanox	2x				
25G AOC - Cisco	2x				
25G AOC - Mellanox	2x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
<i>Max. 2x SFP28 or DAC/AOC Cable per PLAN EP MCX4-LX 25Gb 2p SFP28</i>					
<b>Optional, 10Gb SFP+ Optical Transceiver module with LC connector for PLAN EP MCX4-LX 25Gb 2p SFP28</b>					
SFP+ Optical Transceiver 10G/1G Dual Rate SR	2x	LC, MMF / SR SFP+ module, up to 400m	S26361-F3986-E5	S26361-F3986-L5	
SFP+ Optical Transceiver 10G/1G Dual Rate LR	2x	LC, SMF / LR SFP+ module, up to 10km	S26361-F3986-E6	S26361-F3986-L6	
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	
"Virtual Connector" for Twinax cables	2x	Enablement for System Architect	V:TWX CONNECTOR-10		
SFP+ active Twinax Cable - Fujitsu	2x	customized cable length	S26361-F3989-E600	see table at the bottom of this page	
SFP+ active Twinax Cable - Brocade	2x	(best fitting cable length is defined during rack installation at the factory)	S26361-F3873-E500		
SFP+ active Twinax Cable Brocade	2x				
<i>max. 2x SFP+ or Twinax Cable per controller</i>					
*) max. 2x PLAN EP MCX4-LX 25Gb 2p SFP28 for CX2550 M5, max 2x for CX2560 M5, max 1x for CX2570 M5.					

**40Gb 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 LP	*)	Dual Port NIC, RoCE RDMA, Mellanox	S26361-F4053-E202	S26361-F4053-L502	
Optional, 40Gb QSFP Optical Transceiver module with MPO connector for PLAN EP MCX4-EN 40Gb 2p QSFP					
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	
"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, test only and purchase from switch vendors.			
40G DAC - Mellanox	2x				
40G AOC - Cisco	2x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
40G AOC - Mellanox	2x				
/max. 2x QSFP or DAC, AOC per PLAN EP MCX4-EN 40Gb 2p QSFP					
*) max. 2x PLAN EP MCX4-EN 40Gb 2p QSFP for CX2550 M5, max 2x for CX2560 M5, max 1x for CX2570 M5.					

**100Gb Ethernet network components**

100Gb Ethernet controller with 1x QSFP28 cage (requires twinax cables or optical transceiver QSFP28 modules)					
Supports 100Gbps line rate					
PLAN EP QL45611 100Gb 1p QSFP28 LP	*)	Single Port NIC, RoCE RDMA, Cavium	S26361-F4057-E201	S26361-F4057-L501	
Optional, 100Gb QSFP28 Optical Transceiver module with MPO connector for PLAN EP QL45611 100Gb 1p QSFP28					
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, test only and purchase from switch vendors.			
100G DAC - Mellanox	1x				
100G AOC - Cisco	1x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
100G AOC - Mellanox	1x				
/Max. 1x QSFP28 or DAC/AOC Cable per PLAN EP QL45611 100Gb 1p QSFP28					
*) max. 2x PLAN EP QL45611 100Gb 1p QSFP28 for CX2550 M5, max 2x for CX2560 M5, max 1x for CX2570 M5.					

100Gb Ethernet controller with 1x QSFP28 cage (requires twinax cables or optical transceiver QSFP28 modules)					
Supports 100Gbps line rate					
PLAN EP MCX4-EN 100Gb 1p QSFP28 LP	*)	Single Port NIC, RoCE RDMA, Mellanox	S26361-F4052-E201	S26361-F4052-L501	
Optional, 100Gb QSFP28 Optical Transceiver module with MPO connector for PLAN EP MCX4-EN 100Gb 1p QSFP28					
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, test only and purchase from switch vendors.			
100G DAC - Mellanox	1x				
100G AOC - Cisco	1x	AOC are not in Fujitsu's portfolio yet. Thus, test only and purchase from switch vendors.			
100G AOC - Mellanox	1x				
/Max. 1x QSFP28 or DAC/AOC Cable per PLAN EP MCX4-EN 100Gb 1p QSFP28					
*) max. 2x PLAN EP MCX4-EN 100Gb 1p QSFP28 for CX2550 M5, max 2x for CX2560 M5, max 1x for CX2570 M5.					

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**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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Liquid cooling base unit / CX2550 M5 does not support FC controller

32Gb Fibre Channel controller generation 6 with LC interface for 50µm optical cables (OM3 or OM4)					
Dual speed support - supports 32Gb and 16Gb					
PFC EP LPe32000 1x 32Gb LP	*****	1 port, low profile, Broadcom/Emulex	S26361-F4044-E201	S26361-F4044-L501	
PFC EP LPe32002 2x 32Gb LP	*****	2 port, low profile, Broadcom/Emulex	S26361-F4044-E202	S26361-F4044-L502	
PFC EP QLE2740 1x 32Gb LP	*****	1 port, low profile, Cavium/Qlogic	S26361-F4043-E201	S26361-F4043-L501	
PFC EP QLE2742 2x 32Gb LP	*****	2 port, low profile, Cavium/Qlogic	S26361-F4043-E202	S26361-F4043-L502	
16Gb Fibre Channel controller generation 6 with LC interface for 50µm optical cables (OM3 or OM4)					
Dual speed support - supports 16Gb and 8Gb					
PFC EP LPe31000 1x 16Gb LP	*****	1 port, low profile, Broadcom/Emulex	S26361-F5596-E201	S26361-F5596-L501	
PFC EP LPe31002 2x 16Gb LP	*****	2 port, low profile, Broadcom/Emulex	S26361-F5596-E202	S26361-F5596-L502	
PFC EP QLE2690 1x 16Gb LP	*****	1 port, low profile, Cavium/Qlogic	S26361-F5580-E201	S26361-F5580-L501	
PFC EP QLE2692 2x 16Gb LP	*****	2 port, low profile, Cavium/Qlogic	S26361-F5580-E202	S26361-F5580-L502	

\*\*\*\*\* max. 2 for CX2560 M5 (No FC card support for CX2550 M5/CX2570M5)

**Chapter 13 - Infiniband Controllers**

configuration of different Controllers NOT supported

S26361-F5717-E102/E202 S26361-F5717-L102/L202	S26361-F5724-E102/E202 S26361-F5724-L102/L202	S26361-F5562-E10
IB HCA 100Gb 1 / 2channel EDR	IB HCA 100Gb 1 / 2channel HDR	POP EP 100Gb 1port Omni Path 100Gbit 1channel HFI Card
100Gbit 1 / 2channel Infiniband Controller EDR technology (8.0GT/s)	100Gbit 1 / 2channel Infiniband Controller HDR technology (8.0GT/s)	Q-SFP+ connector
1x / 2x Q-SFP+ connector	1x / 2x Q-SFP+ connector	PCIe x16
PCIe Gen3 x16, 170mm	PCIe Gen3 x16, 170mm	max. 1x per CX2570, 2 for the other Supported only with Linux
max. 1x per CX2570, 2 for the other	max. 1x per CX25x0, only liquid server	

The following card can not be mixed Infiniband card(S26361-F5717-E102/E202)

S26361-F4054-E302/S26361-F4053-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**

S26361-F5717-E102/E202	
QSFP, IB 100Gb, 1m	S26361-F5549-L561
QSFP, IB 100Gb, 3m	S26361-F5549-L563
S26361-F5724-L102/L202/E102/E202	
QSFP, IB 100Gb, 1m (Y-cable) (To HDR SW)	S26361-F5748-E571
Omni Path	
100Gbit/s 1ch Omni Path HFI Card	S26361-F5562-L10
100Gbit/s 1 port Omni Path PHY Card	S26361-F5651-L460
QSFP, Omni 100Gb, 1.5m	S26361-F5563-L150
QSFP, Omni 100Gb, 2m	S26361-F5563-L200
QSFP, Omni 100Gb, 3m	S26361-F5563-L300

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**Chapter 15 - Accessories**

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

**USB Mouse:**

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

**USB Memory Sticks - Available until August 2020. No successor planned.**

ADATA UC350 USB3.1 Type C OTG Flash Drive 64GB		S26391-F6048-L464
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**USB Optical Disc Drive**

Fujitsu External Super Multi Drive	S26341-F103-L142
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Please find the layout of all Fujitsu keyboards here:  
<http://abg0355a.abg.fsc.net/>



**Chapter 16 - others**

**O**

<b>S26361-F1790-E243</b>
<b>S26361-F1790-L244</b>
iRMC S4 advanced pack / S5 alternatively
integrated remote Management controller activation key for graphical console redirection and remote media redirection
max. 1x per system

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

<b>S26361-F3552-E100</b> <span style="color: red;">will be EOL at end-Sep 2022</span>
<b>S26361-F3552-L100</b>
TPM Module 2.0
Microsoft Windows Server 2022 not supported
max. 1x per system

<b>S26361-F3552-E301</b>
<b>S26361-F3552-L301</b>
TPM Module 2.0
<span style="color: red;">Microsoft Windows Server 2022 only supported</span>
max. 1x per system

OS support matrix:

Operating system for host OS	S26361-F3552-E100	S26361-F3552-E301
Windows Server 2022	-	planned
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.

<b>S26361-F1790-E311</b>
<b>embedded Lifecycle Management (eLCM)</b>
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)
<b>BDL:ELCM-PACK</b>
<b>options contains:</b>
- 16GB SD card
- Paper with TAN for Licensekey

will be available in CQ324

<b>iRMC MicroSD card option</b>			
Capacity	Interface	E-parts	L-parts
32GB	SDHC	-	PY-MD32R1
max. 1x per system, instead of 16GB MicroSD card			

**Your Server is ready**

**Legend**

GR: General Release

NR: No release

GA  
Planned

	Model Name				
		CX2550 M5		CX2560 M5	CX2570 M5
		<i>Air</i>	<i>Liquid</i>	<i>Air</i>	<i>Liquid</i>
<b>Cooling</b>		<i>Air</i>	<i>Liquid</i>	<i>Air</i>	<i>Liquid</i>
<b>Target market</b>		<i>HPC</i>	<i>HPC</i>	<i>Cloud</i>	<i>V100 32G</i>
<b>Microsoft Windows</b>					
<b>Windows Server 2019</b>					
Microsoft Hyper-V Server 2019		NR	NR	NR	NR
Windows Server 2019 Datacenter		GR	NR	GR	NR
Windows Server 2019 Standard		GR	NR	GR	NR
Windows Server 2019 Essentials		NR	NR	GR	NR
<b>Windows Server 2016</b>					
Microsoft Hyper-V Server 2016		NR	NR	NR	NR
Windows Server 2016 Datacenter		GR	NR	GR	NR
Windows Server 2016 Standard		GR	NR	GR	NR
Windows Server 2016 Essentials		NR	NR	GR	NR
Windows Storage Server 2016 Standard		NR	NR	NR	NR
<b>Windows Server 2012R2</b>					
Microsoft Hyper-V Server 2012R2		NR	NR	NR	NR
Windows Server 2012R2 Datacenter		NR	NR	NR	NR
Windows Server 2012R2 Standard		NR	NR	NR	NR
Windows Server 2012R2 Essentials		NR	NR	NR	NR
Windows Server 2012R2 Foundation		NR	NR	NR	NR
Windows Storage Server 2012R2 Standard		NR	NR	NR	NR
<b>RedHat Linux</b>					
Red Hat Enterprise Linux 64-bit	6.10	NR	NR	NR	NR
Red Hat Enterprise Linux 64-bit	7.5	NR	NR	NR	NR
Red Hat Enterprise Linux 64-bit	7.6	GR	GR	GR	GR
Red Hat Enterprise Linux 64-bit	8.0	Planned	Planned	Planned	Planned
<b>Suse Linux</b>					
SUSE Linux Enterprise Server 12 64-bit	SP3	NR	NR	NR	NR
SUSE Linux Enterprise Server 12 64-bit	SP4	Planned	Planned	Planned	SR
SUSE Linux Enterprise Server 15 64-bit		Planned	Planned	Planned	SR
Open Enterprise Server 2 32-bit		NR	NR	NR	NR
Open Enterprise Server 2 64-bit		NR	NR	NR	NR
<b>VMware ESX Server</b>					
ESXi 6.5 U1		NR	NR	NR	NR
ESXi 6.5 U2		NR	NR	NR	NR
ESXi 6.7		NR	NR	NR	NR
ESXi 6.7U1		NR	NR	GR	NR
<b>Oracle</b>					
Oracle Linux 6 (RHEL & UEK kernel) 64-bit	6.10	NR	NR	NR	NR
Oracle Linux 7 (RHEL & UEK kernel) 64-bit	7.6	NR	NR	GR	NR
Oracle Linux 7 (RHEL & UEK kernel) 64-bit	8.0	NR	NR	Planned	NR
Oracle Virtual Manager 3	3.4	NR	NR	GR	NR
Solaris 11 64-bit		NR	NR	NR	NR
<b>Citrix</b>					
XenServer	7.1	NR	NR	GR	NR
XenServer	8.0	NR	NR	GR	NR
<b>Other</b>					
WinPE		NR	NR	NR	NR
CentOS	7.6	NR	NR	NR	NR

Date of change [ddd.mm.yyyy]	Configurator revision	Folder / order code / description	Name	What has been changed / comment
13.02.2024	1.23	others	Yuichi Sugiyama	added the iRMC MicroSD card option for eLCM
13.02.2024	1.22	RAM	Hiroyuki Homma	changed EOL about DIMM package
23.01.2024	1.21	RAM	Hiroyuki Homma	changed EOL about DCPMM
07.09.2023	1.20	HD_SSD	Yuichi Sugiyama	added the EOL status for 2.5" HDD
04.08.2023	1,19	HD_SSD	Yuichi Sugiyama	updated the EOL information.
01.03.2023	1,18	Base / HDD Cage	Michiko Ando	Added the Kioxia CM6 as PCIe-SSD set "S26361-F4575-E11" and "S26361-F5651-E680" for APAC ONLY by Field Sale report
01.03.2023	1,17	Base / HDD Cage	Michiko Ando	deleted "S26361-F4575-E11" and "S26361-F5651-E680" by Field Sale report
22.08.2022	1,16	others	Tatsuya Sudou	updated Notes for TPM2.0
08.08.2022	1,15	HD_SSD	Yuichi Sugiyama	added the EOL information as follows, -SSD SAS as Toshiba Phoenix-M5 and HGST BearCovePlus series -SSD SATA as Samsung SM883 and Micron 5100/5200 -SSD PCIe as Intel P4600
08.08.2022	1,15	HD_SSD	Yuichi Sugiyama	several released products are not added in this file as follows, -SSD SAS W/MU/R1 as Seagate Nytro 3x32 series -SSD SATA MU/R1 as Micron 5300 series -SSD SATA MU/R1 as Samsung PM897/PM893
29.07.2022	1,14	RAID	Tatsuya Sudou	corrected Note for mixed configurations
26.07.2022	1,13	RAID	Tatsuya Sudou	restored PSAS/PRAID CP4xx (F3842), PRAID EP4xx (F5243)
16.06.2022	1,12	change_history		Introduce this history table with a new style
26.04.2022		RAID	Tatsuya Sudou	removed PSAS/PRAID CP4xx(F3842/F3845), PRAID EP4xx(F5243) due to EOL
26.04.2022		others	Tatsuya Sudou	update Notes for TPM2.0
23.12.2021		RAID	Tatsuya Sudou	removed exclusion b/w PRAID CP500i and EP540e
14.12.2021		LAN	Yuya Ikuta	Released I210-T1(Retail) and X710-T2L(Retail)
14.10.2021		LAN	Yuya Ikuta	Added I210-T1(Retail) and X710-T2L(Retail)
11.10.2021		RAID / S26361-F5791/F5792/F5793/F4042-*	Tatsuya Sudou	added PRAID CP500i, PSAS CP503i, CP500e and PRAID EP520i
11.10.2021		others	Tatsuya Sudou	added Notes for TPM2.0
13.09.2021		others / S26361-F3552-E301/L301	Tatsuya Sudou	added TPM2.0 for WS2022
15.06.2021		LAN	Yuya Ikuta	update the SFP linup for S26361-F4055-E302.
01.04.2021		RAID / S26361-F5792-*	Tatsuya Sudou	added PSAS CP503i
17.03.2021		LAN	Yuya Ikuta	Changed the LOM SFP condition.
21.12.2020			Hiroyuki Homma	Fixed description added riser description
22.10.2020		HD_Cage	Hiroyuki Homma	added information regarding riser
30.06.2020		Base	Hiroyuki Homma	removed some accessories. (only BTO P/N)
29.05.2020		Base	Yuri Okubo	removed Made in Germany sticker
29.04.2020		CPU/RAM	Atsushi Iwata	Added CPUs (Bronze 32xxR, Silver 42xxR, Gold 52xxR and 62xxR)
26.03.2020		Base	Atsushi Iwata	Added Region kit china
19.03.2020		CPU/RAM	Atsushi Iwata	Added Restriction for ErP Lot9 (Bronze 3204, 1 DIMM configuration are not orderable)
19.03.2020		Other	Hiroyuki Homma	Update description
18.02.2020		IB	Takaoka masanori	Change the cable
10.01.2019		HD_Cage	Hiroyuki Homma	Added riser descriptopn
20.12.2019		RAM	Klaus-Dieter Ruf	Added new released 64GB 2Rx4 module
07.11.2019		Accessories	Y.Narita	USB memory sticks section updated. No longer 32GB.
31.10.2019		RAM	Klaus-Dieter Ruf	DCPMM section updated
17.10.2019		Base	Hiroyuki Homma	Fixed CX2570M5 description
17.10.2019		SSD	Hiroyuki Homma	Added P4610 and P4510
25.09.2019		Base	Hiroyuki Homma	Added Node popuration rules
27.08.2019		RAM	Klaus-Dieter Ruf	Added 768GB memory packages
26.06.2019		LAN_FC_IB	Takaoka masanori	Add ConnectX6(Infiniband card)
24.06.2019		RAM	Klaus-Dieter Ruf	Added missing memory module
19.06.2019		CPU	Hiroyuki Homma	Added some CPU
06.06.2019		RAID	Sven Pilz	Added PSAS CP403i
15.04.2019		RAM	Klaus-Dieter Ruf	Updated order codes for Memory Packages
01.04.2019			S.Ichihashi	Update
28.03.2019			S.Ichihashi	Update
15.03.2019			S.Ichihashi	Update
13.03.2019			S.Ichihashi	Update
08.03.2019		RAM	Klaus-Dieter Ruf	Updated order codes for Memory Packages
06.03.2019		RAM	Klaus-Dieter Ruf	Added Memory Packages for easy AEP configuration
04.03.2019			S.Ichihashi	Update
26.02.2019			S.Ichihashi	Update
12.02.2019			S.Ichihashi	Update
08.02.2019		LAN_FC_IB	Takaoka masanori	change EDR card parts number
08.02.2019			S.Ichihashi	Update
05.12.2018			xx	First Draft