



FUJITSU Server

PRIMEQUEST 3800B2

System Configuration Guide

Feb. 21, 2025 Ver. 6.3

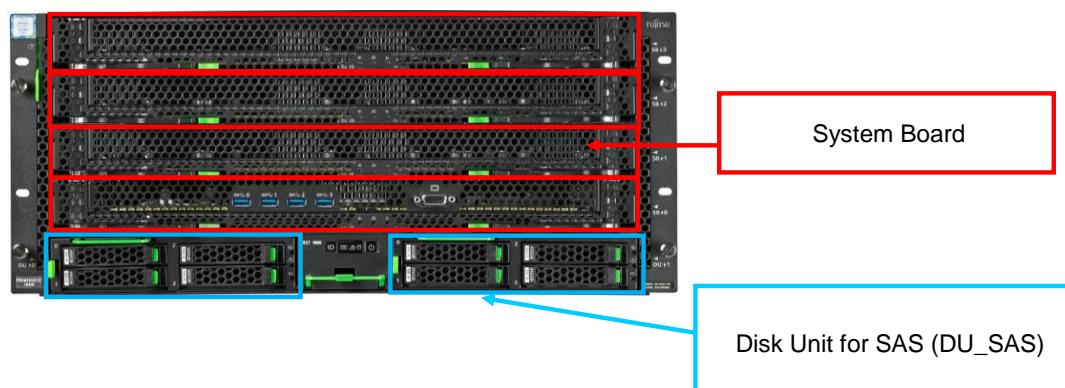
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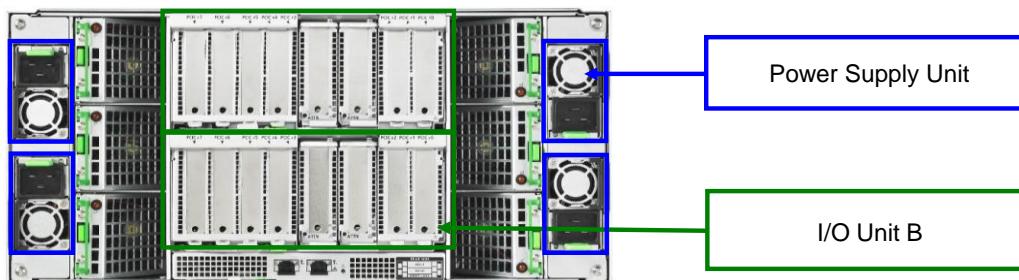
1. Overview

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Front side

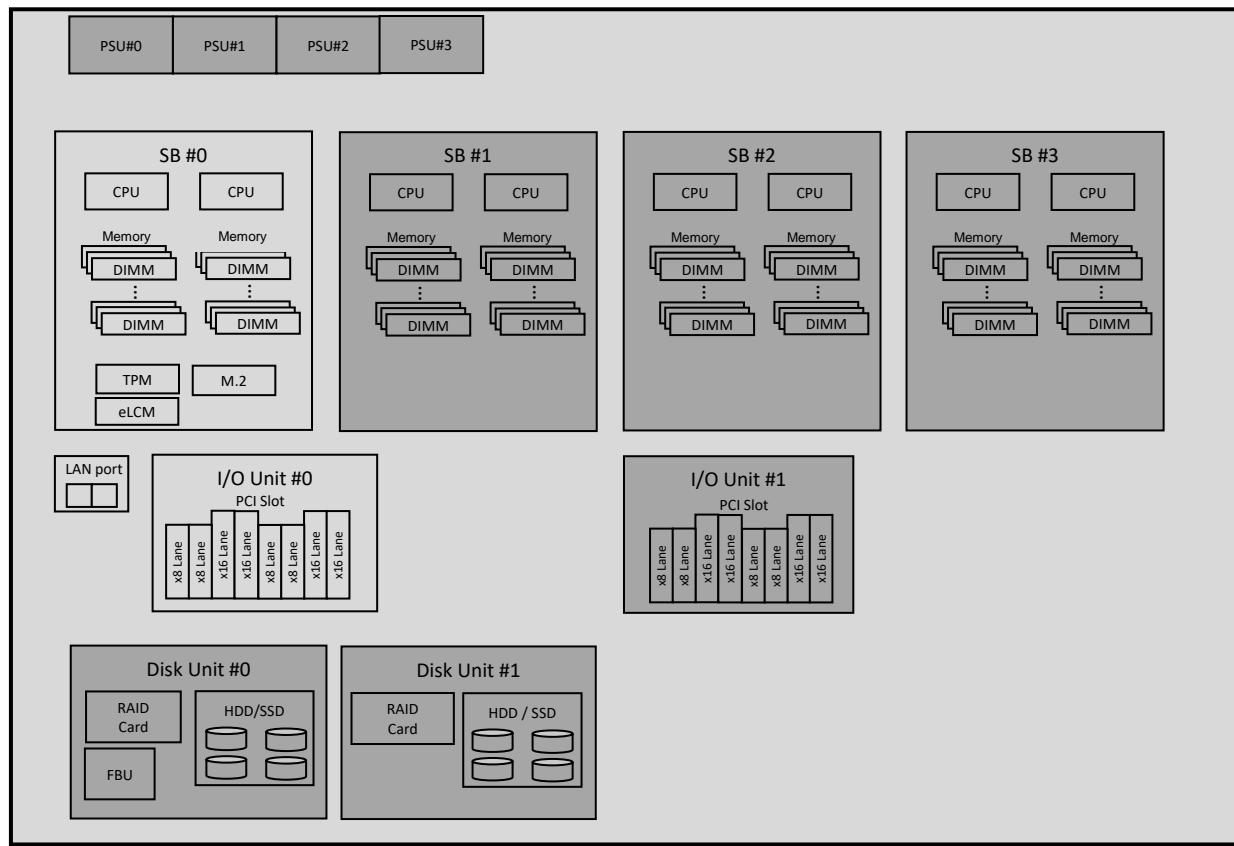


Rear side



Configuration Diagram

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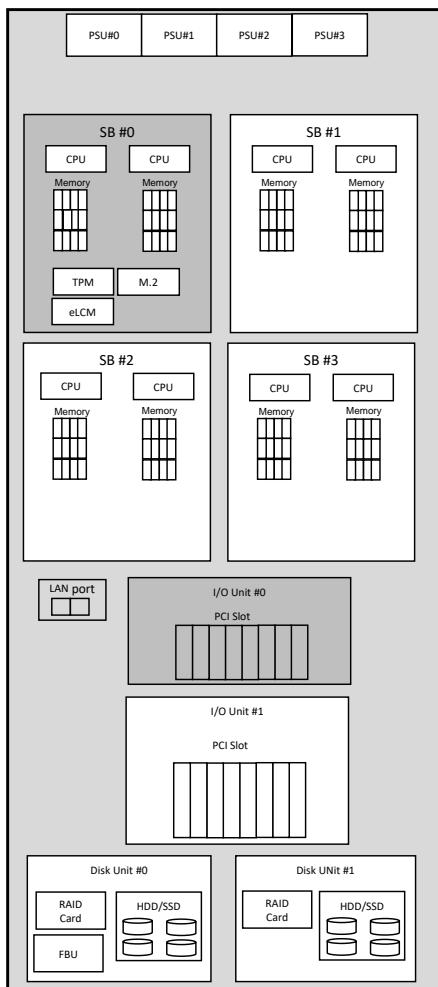


Light gray color components are included in Base Unit.

Dark gray color components are optional.

2.Base Unit

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Part Numbers Legend:

Part numbers:

MC-***** is a Build-to-Order (BTO) option to be assembled with Base Unit
MCX***** is an option to be shipped separately from a Base Unit (Loose Delivery)

The following options are NOT included in the Base Unit.
- CPU, Memory, PSU, power cord

The following components are included in the Base Unit.
- 1x System Board
- 1x I/O Unit
- 1x Rack Mount Kit

PRIMEQUEST 3800B2 Base Unit**MCK3AC111B**

- Rack mount type
- 1x System Board is included in the Base Unit. Max. 4x System Boards can be mounted.
- 1x I/O Unit is included in the Base Unit. Max. 2x I/O Units can be mounted.
- PCI Boxes cannot be connected.
- 1x Management LAN
- 1x 1GbE (RJ45) (Shared LAN)
- PSUs need to be ordered. Max. 4x PSUs can be mounted.
- 6x Fan units are included in the Base Unit with redundancy.
- Power cords need to be ordered. The quantity is equal to the quantity of PSU.
- Rack space : 5U

Advanced Thermal Design Option**MC-0PTH2**

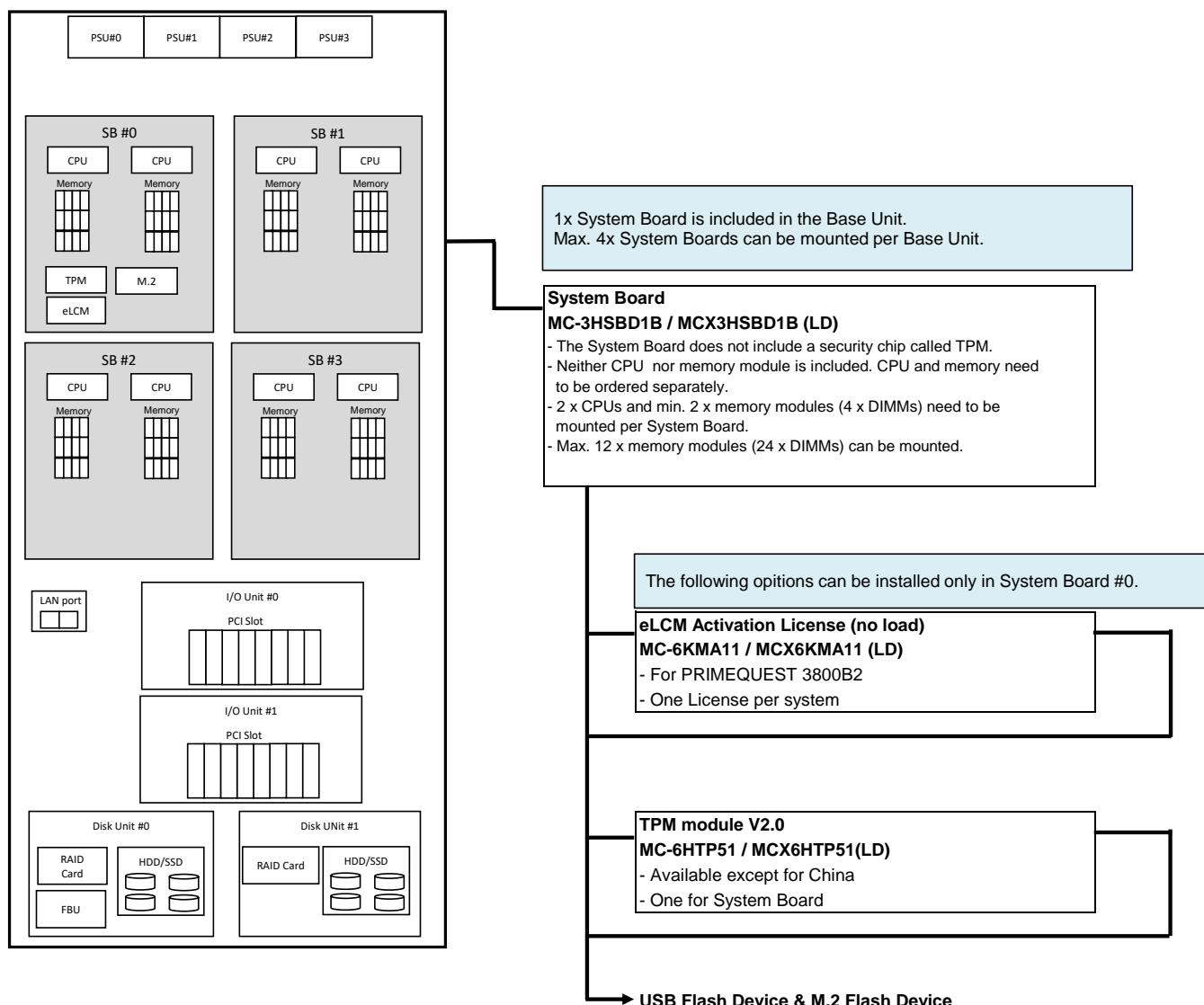
Operating temperature of up to 40°C

When this option is selected, CPUs exceeding 165W can not be installed.

→ **System Board**

3.System Board

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Available combination of CPU and memory per System Board

		Number of CPU	
		1	2
Memory in units of two DIMMs	1	C	C
	2	C	A
	3	C	B
	~	C	B
	12	C	B

A : The combination is available. The quantity of memory is the minimum quantity.

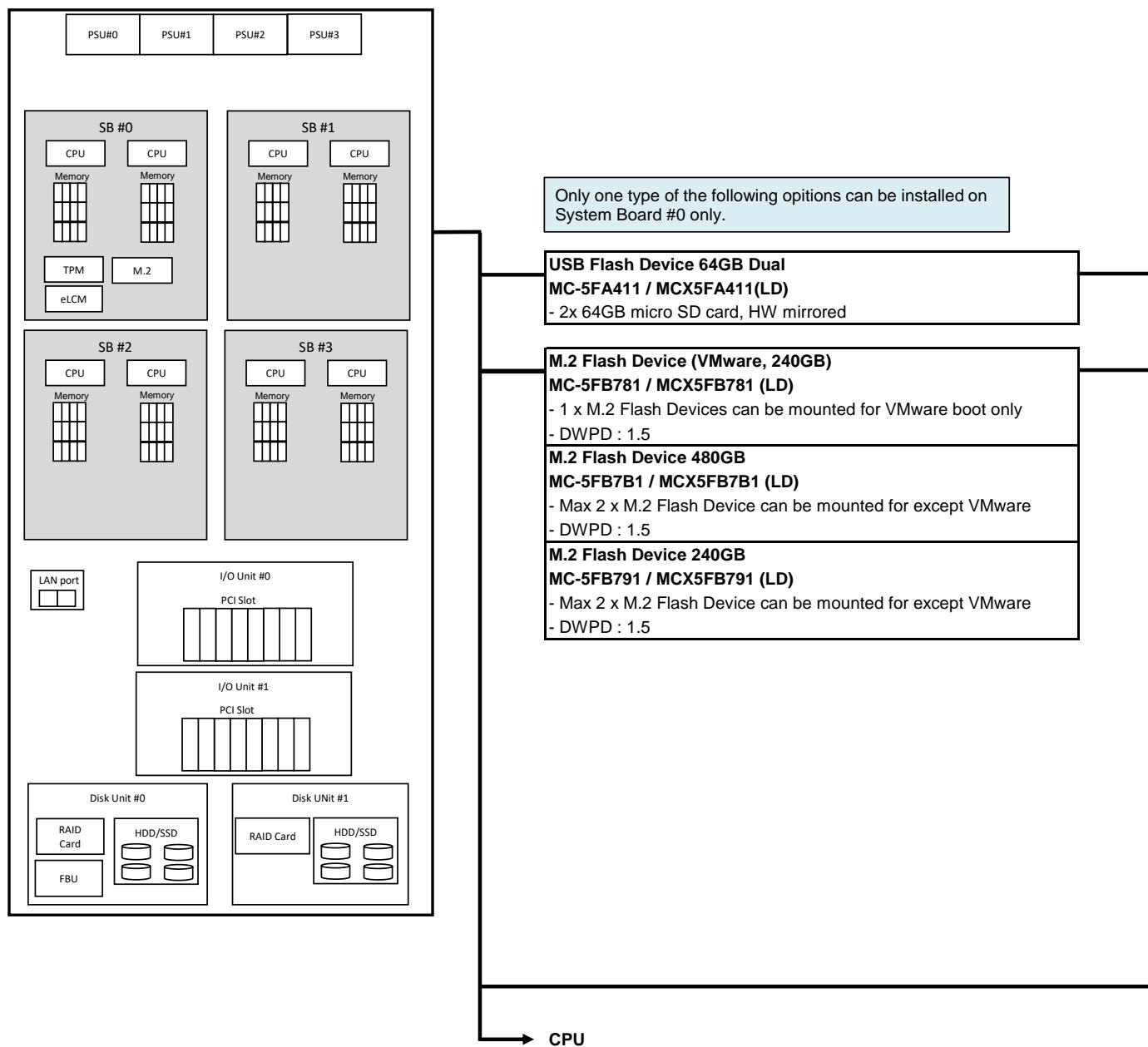
B : The combination is available.

C : The combination is NOT available.

* 2x CPUs need to be mounted on each System Board.

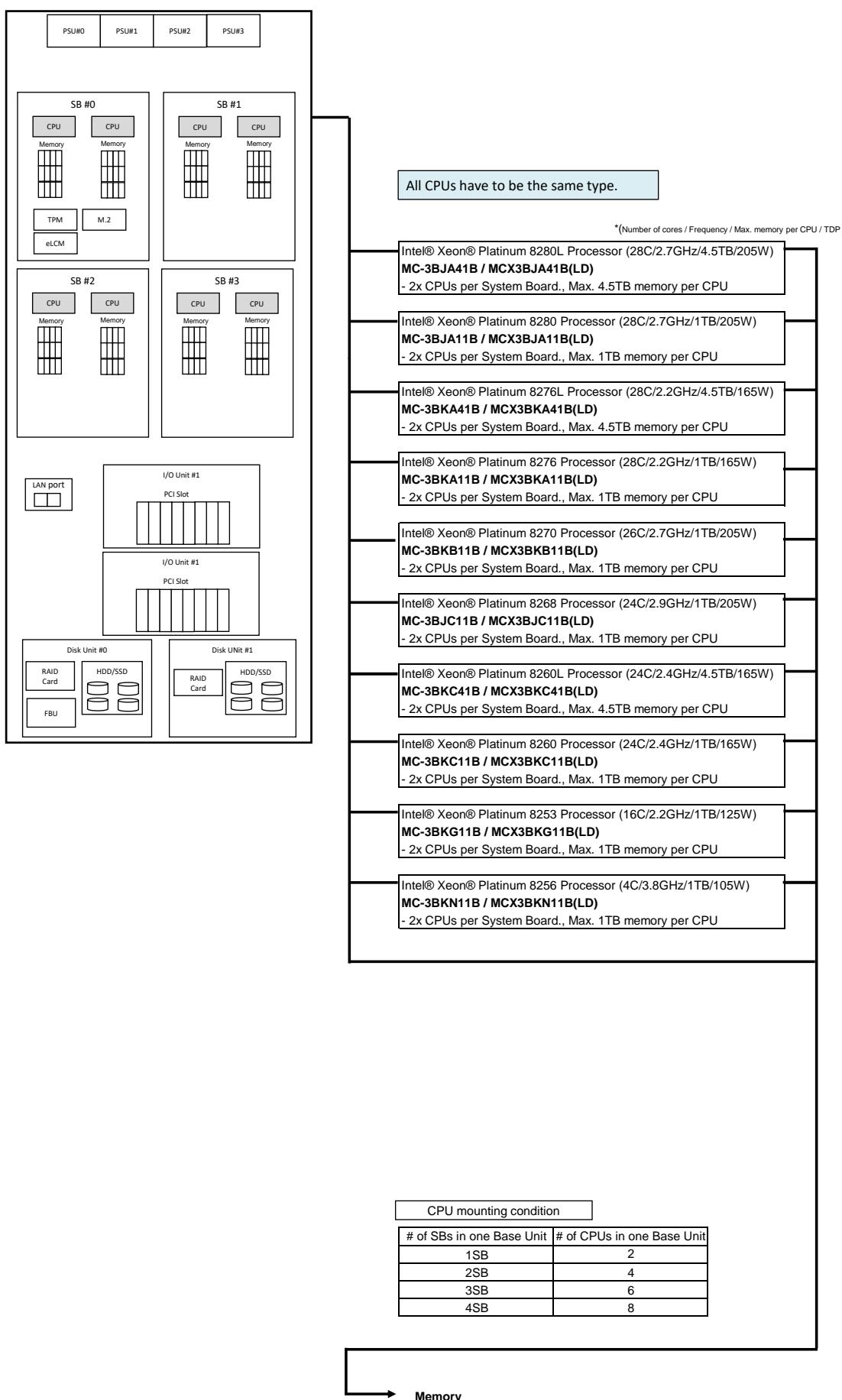
USB Flash Device & M.2 Flash Device

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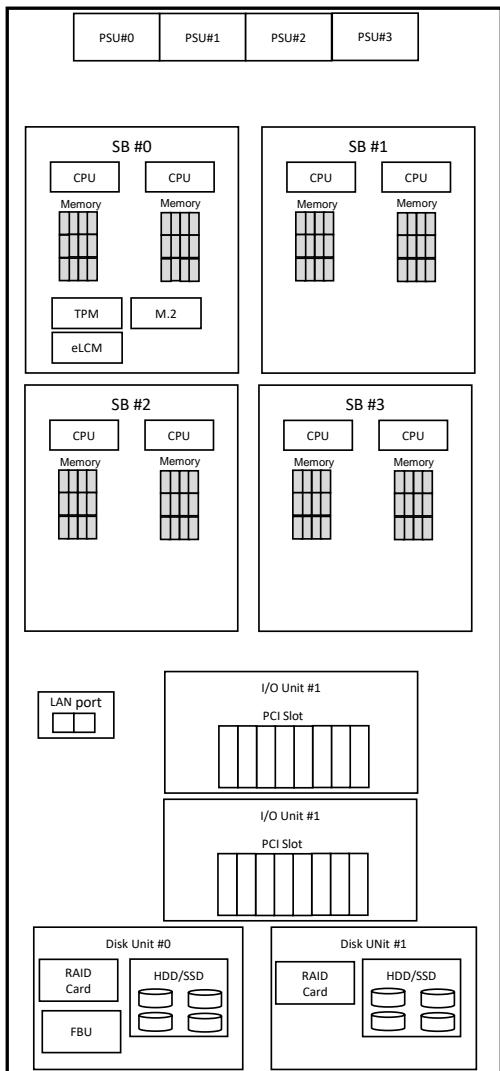
4.CPU

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5.Memory

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At least one option needs to be mounted per CPU.

32GB memory (16GB 1Rx4 DDR4 RDIMM x2)

MC-3CE611B / MCX3CE611B (LD)

- Min. 1x Memory module (2 x DIMMs) needs to be mounted per CPU.
- Max. 6x Memory modules (12 x DIMMs) can be mounted per CPU.
- 2x 16GB 2933MHz 1Rx4 RDIMMs

64GB memory (32GB 2Rx4 DDR4 RDIMM x2)

MC-3CE711B / MCX3CE711B (LD)

- Min. 1x Memory module (2 x DIMMs) needs to be mounted per CPU.
- Max. 6x Memory modules (12 x DIMMs) can be mounted per CPU.
- 2x 32GB 2933MHz 2Rx4 RDIMMs

EOL, as long as stock available

128GB memory (64GB 2Rx4 DDR4 RDIMM x2)

MC-3CE811B / MCX3CE811B (LD)

- Min. 1x Memory module (2 x DIMMs) needs to be mounted per CPU.
- Max. 6x Memory modules (12 x DIMMs) can be mounted per CPU.
- 2x 64GB 2933MHz 2Rx4 RDIMMs

128GB memory (64GB 4Rx4 DDR4 LRDIMM x2)

MC-3CE821B / MCX3CE821B (LD)

- Min. 1x Memory module (2 x DIMMs) needs to be mounted per CPU.
- Max. 6x Memory modules (12 x DIMMs) can be mounted per CPU.
- 2x 64GB 2933MHz 4Rx4 LRDIMMs

256GB memory (128GB 8Rx4 DDR4 LRDIMM 3DS x2)

MC-3CE911B / MCX3CE911B (LD)

- Min. 1x Memory module (2 x DIMMs) needs to be mounted per CPU.
- Max. 6x Memory modules (12 x DIMMs) can be mounted per CPU.
- 2x 128GB 2933MHz 8Rx4 3DS-LRDIMMs

256GB memory (128GB 4Rx4 DDR4 LRDIMM x2)

MC-3CE931B / MCX3CE931B (LD)

- Min. 1x Memory module (2 x DIMMs) needs to be mounted per CPU.
- Max. 6x Memory modules (12 x DIMMs) can be mounted per CPU.
- 2x 128GB 2933MHz 4Rx4 3DS-LRDIMMs

512GB memory (256GB 8Rx4 DDR4 LRDIMM 3DS x2)

MC-3CEA11B / MCX3CEA11B (LD)

- Min. 1x Memory module (2 x DIMMs) needs to be mounted per CPU.
- Max. 6x Memory modules (12 x DIMMs) can be mounted per CPU.
- 2x 356GB 2933MHz 8Rx4 3DS-LRDIMMs

512GB memory (256GB 8Rx4 DDR4 RDIMM 3DS x2)

MC-3CEA21B / MCX3CEA21B (LD)

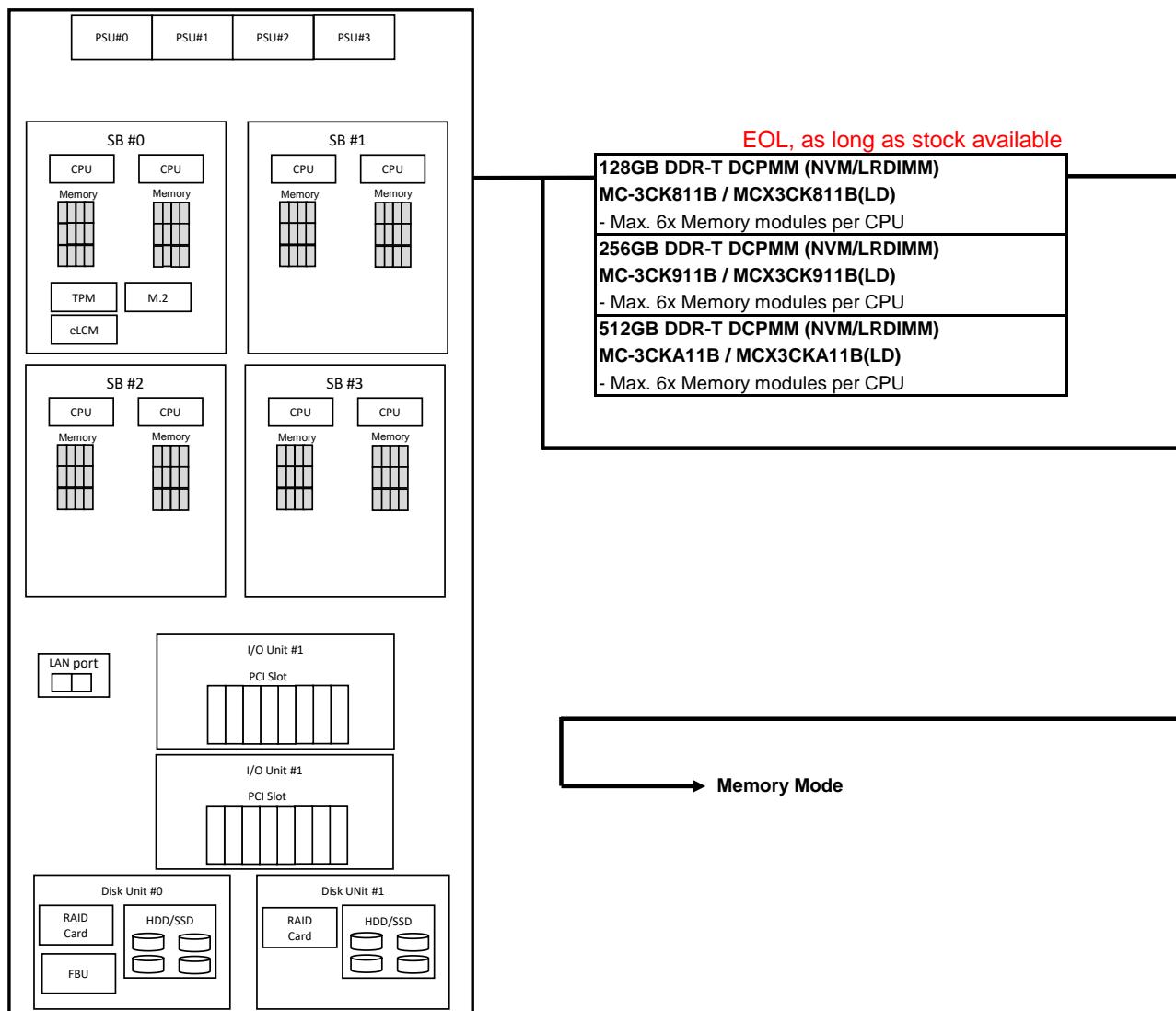
- Min. 1x Memory module (2 x DIMMs) needs to be mounted per CPU.
- Max. 6x Memory modules (12 x DIMMs) can be mounted per CPU.
- 2x 128GB 2933MHz 8Rx4 3DS-RDIMMs

* 256GB 8R LRDIMM can not be installed on a CPU with a memory limit of 1TB.

Memory 2

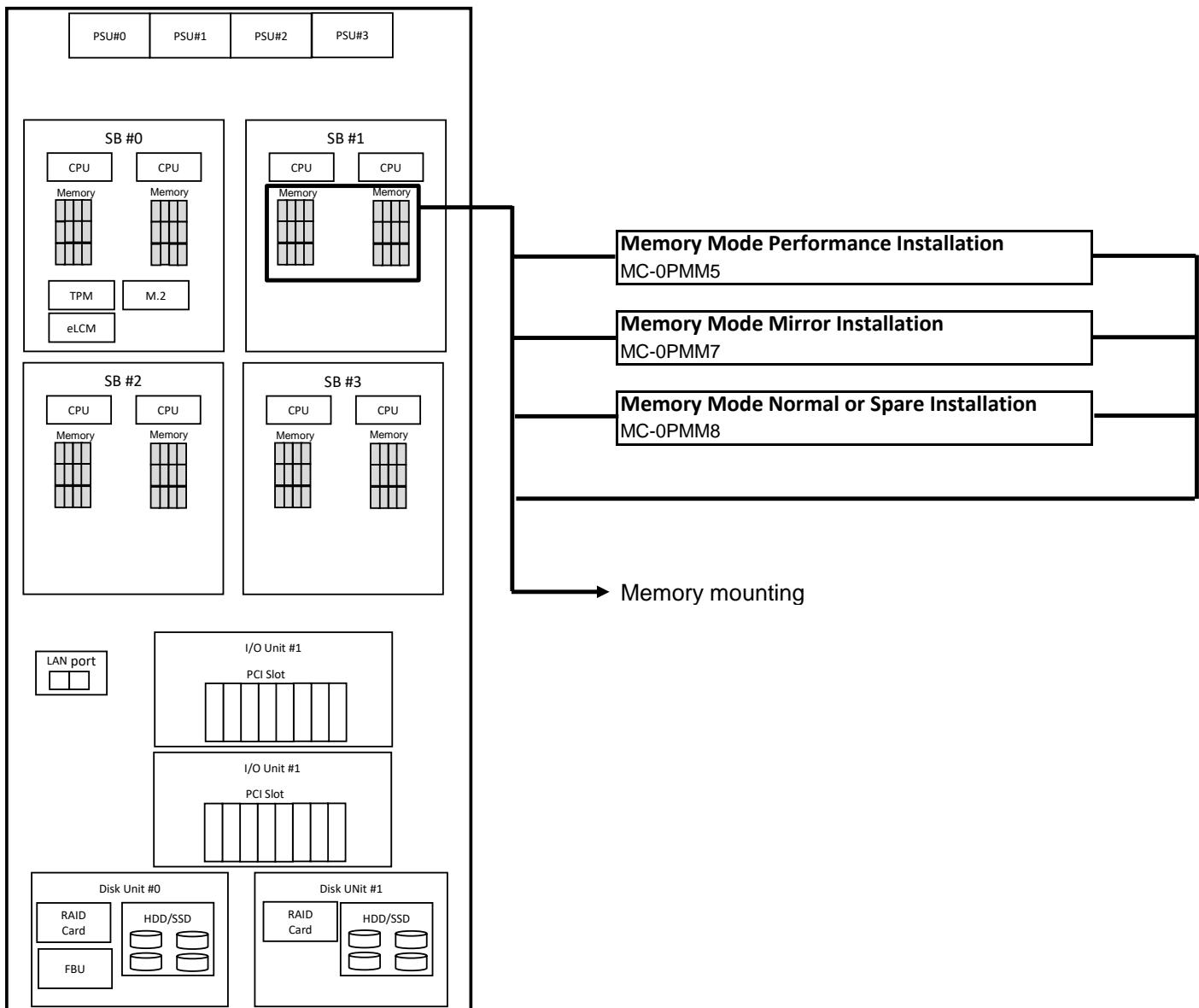
Memory 2

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Memory Mode

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When DCPMMs are installed, Memory Mode is limited. The following table shows the details.

Memory Mode of Albireo	Support	DCPMM Mode		
		Memory Mode	App Direct Mode	Memory Mode + App Direct Mode
Normal	Yes	Supported	Supported	Supported
Full Mirror	Yes	Not Supported	Supported	Supported
Address Range Mirror	Yes	Not Supported	Supported	Supported
Spare	No	Not Supported	Not Supported	Not Supported

Memory Mounting 1

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1. Memory

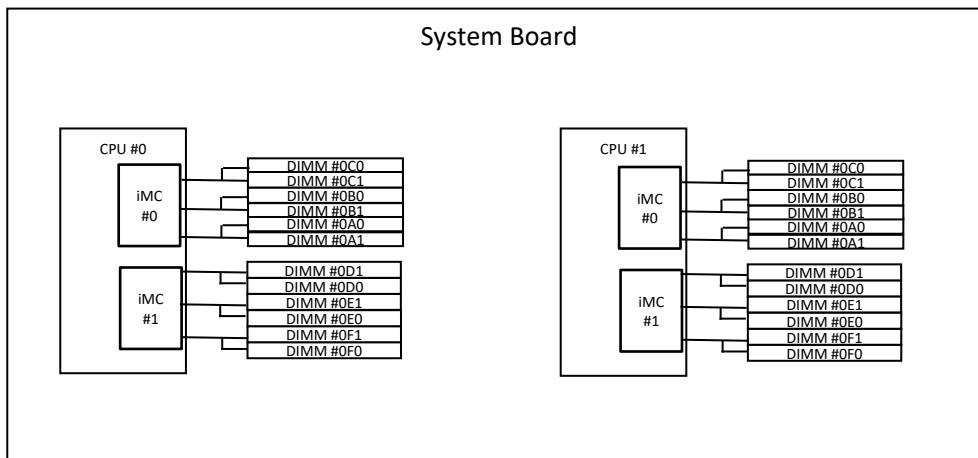
- (1) Memory module for PRIMEQUEST is composed of 2 x DIMMs.
- (2) At least 2 DIMMs have to be installed in one CPU (4 DIMMs in one SB) in Normal mode and Spare mode, 4 DIMMs have to be installed in one CPU (8 DIMMs in one SB) in Mirror mode.
- (3) Up to 12 DIMMs can be installed in each CPU.

2. Memory Mounting Conditions

- (1) A mixture of different type of memory is not possible in the system.
The exception is a combination of 16GB RDIMM and 32GB RDIMM, which is possible to mix in the system.
- (2) Units of memory expansions : One set (2 DIMMs) for one CPU in Normal Mode and Spare Mode, 2 sets (4 DIMMs) for one CPU in Mirror Mode.

3. Memory Support for Operating Systems of PRIMEQUEST 3800B2

Operating System	Max. Memory Capacity (TB)
Microsoft® Windows Server® 2016 (Standard / Datacenter) Microsoft® Hyper-V Server 2016	3
Microsoft® Windows Server® 2019 (Standard / Datacenter) Microsoft® Hyper-V Server 2019	3
Red Hat® Enterprise Linux® 7	12
Red Hat® Enterprise Linux® 8	12
SUSE® Linux Enterprise Server 12 SP4 SUSE® Linux Enterprise Server 12 SP5	24 12
SUSE® Linux Enterprise Server 15 SUSE® Linux Enterprise Server 15 SP1 / SP2	24 12
VMware vSphere® 6.5	4
VMware vSphere® 6.7	4
VMware vSphere® 7	4



→ **Memory Mounting 2**

Memory Mounting 2

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DIMM mounting order on System Board

DDR4 DIMM installation order

The order of DIMM installation is shown in the following table. DIMMs are installed in order from one with small number.

		CPU#0						CPU#1							
Memory Mode	Lockstep	iMC#0			iMC#1			iMC#0			iMC#1				
		0A0	0B0	0C0	0D0	0E0	0F0	1A0	1B0	1C0	1D0	1E0	1F0		
Normal	Disabled	1	2	4(*1), 8	1	2	4(*1), 8	1	3	5(*1), 9	1	3	5(*1), 9	(*3)	
		6	6(*2)	10	6	6(*2)	10	7	7(*2)	11	7	7(*2)	11		
	Enabled	1	4	8	2	6	10	1	5	9	3	7	11	(*3)	
		1	4	8	2	6	10	1	5	9	3	7	11		
Spare	Disabled	1	4	8	2	6	10	1	5	9	3	7	11	(*3)	
		1	4	8	2	6	10	1	5	9	3	7	11		
	Enabled	—	—	—	—	—	—	—	—	—	—	—	—	—	
		—	—	—	—	—	—	—	—	—	—	—	—		
Full Mirror/ Address Range Mirror	Disabled	1	1	4	1	1	4	1	1	5	1	1	5	—	
		2	2	4	2	2	4	3	3	5	3	3	5		
	Disabled (768GB CPU)	1	1	2	1	1	2	1	1	3	1	1	3	(*4)	
		—	—	—	—	—	—	—	—	—	—	—	—		
	Enabled	—	—	—	—	—	—	—	—	—	—	—	—	—	

(*1)(*2) In the case of four DIMMs in iMC, remove DIMM installed in (*1) slot and then install DIMM to (*2) slot.

(*3) When the CPU which memory capacity is 768GB is installed, 128GB DIMM can be installed up to number 5 and cannot be installed after number 6.

(*4) Only when the CPU which memory capacity is 768GB and 128GB DIMM are installed together, this installation order is applied.

Memory Mixed Condition

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Which size of DIMM can be installed together in a DDR CH or an SB are shown in the following tables.

The type of the DIMM mixed installation condition for each DIMM.

	16GB 1R RDIMM	32GB 2R RDIMM	64GB 2R RDIMM	64GB 4R LRDIMM	128GB 4R LRDIMM	128GB 8R LRDIMM(3DS)	256GB 8R LRDIMM(3DS)	256GB 8R RDIMM(3DS)
16GB 1R RDIMM	—	YES (*1)	YES (*1)					
32GB 2R RDIMM	YES (*1)	—	YES (*1)					
64GB 2R RDIMM	YES (*1)	YES (*1)	—					
64GB 4R LRDIMM				—	YES			
128GB 4R LRDIMM				YES	—			
128GB 8R LRDIMM(3DS)						—	YES	
256GB 8R LRDIMM(3DS)						YES	—	
256GB 8R RDIMM(3DS)								—

YES:Mixable in DDR CH/SB

Blank: Not Mixable in DDR CH/SB

"-": Same DIMM

(*1) When RDIMM or LRDIMM other than 3DS with different rank number is populated together within a DDR channel, the DIMM with largest rank number must be populated at far side and the DIMM with smallest rank number must be populated at near side.

Mixable conditions

	Yes (Mixable in DDR CH)	“-” (Mixable in DDR CH)	Blank (Not Mixable in Partition)
DDR CH	YES	YES	
SB	YES	YES	
System	YES	YES	

YES: Mixable in DDR CH/SB/System.

Blank: Not mixable in DDR CH/SB/System.

Memory Mixed Installation Condition

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DIMM mixed installation conditions are shown in the following table.

Same symbols mean that same DIMMs can be installed which is defined in the table below.

Different symbols mean that different DIMMs can be mixed.

DIMM mixed installation condition.

Memory Mode	Lockstep	CPU#0						CPU#1					
		iMC#0			iMC#1			iMC#0			iMC#1		
		0A0	0B0	0C0	0D0	0E0	0F0	0A0	0B0	0C0	0D0	0E0	0F0
Normal	Disabled	□	△	○	☆	▽	◇	■	▲	●	★	▼	◆
	Enabled	♠	♥	♣	♤	♞	♝	♠	♥	♣	♤	♞	♝
	Disabled	□	△	○	☆	▽	◇	■	▲	●	★	▼	◆
	Enabled	♠	♥	♣	♤	♞	♝	♠	♥	♣	♤	♞	♝
	Disabled	□	△	○	☆	▽	◇	■	▲	●	★	▼	◆
	Enabled	Not Supported											
Full Mirror (Mirror Keep) / Address Range Mirror	Disabled	□	□	□	△	△	△	■	■	■	▲	▲	▲
	Enabled	○	○	○	☆	☆	☆	●	●	●	★	★	★
Full Mirror (Capacity Keep)	Disabled	□	□	□	□	□	□	□	□	□	□	□	□
	Enabled	Not Supported											

Mixing condition shown contains installation conditions about near side and far side in DDR CH.

When RDIMM or LRDIMM other than 3DS with different rank number is populated together within a DDR channel, the DIMM with largest rank number must be populated at far side and the DIMM with smallest rank number must be populated at near side.

DCPMM(NVM/LRDIMM) installation pattern

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The mountable number of DCPMM is in the range of one to six per CPU.

The following table shows the installation pattern of DDR4 DIMMs and DCPMMs allowed by Fujitsu.

DCPMM installation pattern within CPU

Mode	Pattern	CPU#0						Remark	
		i MC#0			i MC#1				
		OAO	OBO	OC0	ODO	OEO	OFO		
AD	2-2-2	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	Any DRAM	
		DCPMM1	DCPMM1	DCPMM1	DCPMM1	DCPMM1	DCPMM1		
MM	2-2-2	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	Any DRAM	
		DCPMM1	DCPMM1	DCPMM1	DCPMM1	DCPMM1	DCPMM1		
AD+MM	2-2-2	DRAM3	DRAM3	DRAM3	DRAM3	DRAM3	DRAM3	Except for 3DS LRDIMM	
		DCPMM1	DCPMM1	DCPMM1	DCPMM1	DCPMM1	DCPMM1		
AD	2-1-1	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	Any DRAM	
		DCPMM1	-	-	DCPMM1	-	-		
MM	2-1-1	DRAM2	DRAM2	DRAM2	DRAM2	DRAM2	DRAM2	RDIMM only (16 or 32GB)	
		DCPMM1	-	-	DCPMM1	-	-		
AD+MM	2-1-1	DRAM3	DRAM3	DRAM3	DRAM3	DRAM3	DRAM3	Except for 3DS LRDIMM	
		DCPMM1	-	-	DCPMM1	-	-		
AD	2-2-1	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	Any DRAM	
		DCPMM1	DCPMM1	-	DCPMM1	DCPMM1	-		
MM	2-2-1	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	DRAM1	Any DRAM	
		DCPMM1	DCPMM1	-	DCPMM1	DCPMM1	-		
AD+MM	2-2-1	DRAM3	DRAM3	DRAM3	DRAM3	DRAM3	DRAM3	Except for 3DS LRDIMM	
		DCPMM1	DCPMM1	-	DCPMM1	DCPMM1	-		

Mode	DDR4 Type	Capacity
DRAM1	RDIMM	Any Capacity
	3DS LRDIMM	
	LRDIMM	
	3DS LRDIMM	
DRAM2	RDIMM	16GB or 32GB
	-	
	-	
	-	
DRAM3	RDIMM	Any Capacity
	3DS LRDIMM	
	LRDIMM	
	-	
DCPMM1	-	Any Capacity

AD: App Direct Mode

MM: Memory Mode (100%)

AD+MM: Memory Mode (Except for 100%)

Datacenter Persistent Memory Modules (DCPMM)

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Support DCPMM Modes

OS	Memory Mode	App Direct Mode	Mixed Mode
Windows Server 2019	●	▲	—
SUSE SLES 12 SP4	—	●	—
SUSE SLES 15 SP1	▲	●	▲
Red Hat EL 7.6	●	●	▲
Red Hat EL 8.0	●	●	▲

● : Available

▲ : Planned

— : Not Available

Support of OS Boot from DCPMM Modules

OS	Mode
Windows Server 2019	App Direct Mode
Red Hat EL 7.6	App Direct Mode

Boot from DCPMM namespace is not supported by ServerView Installation Manager.

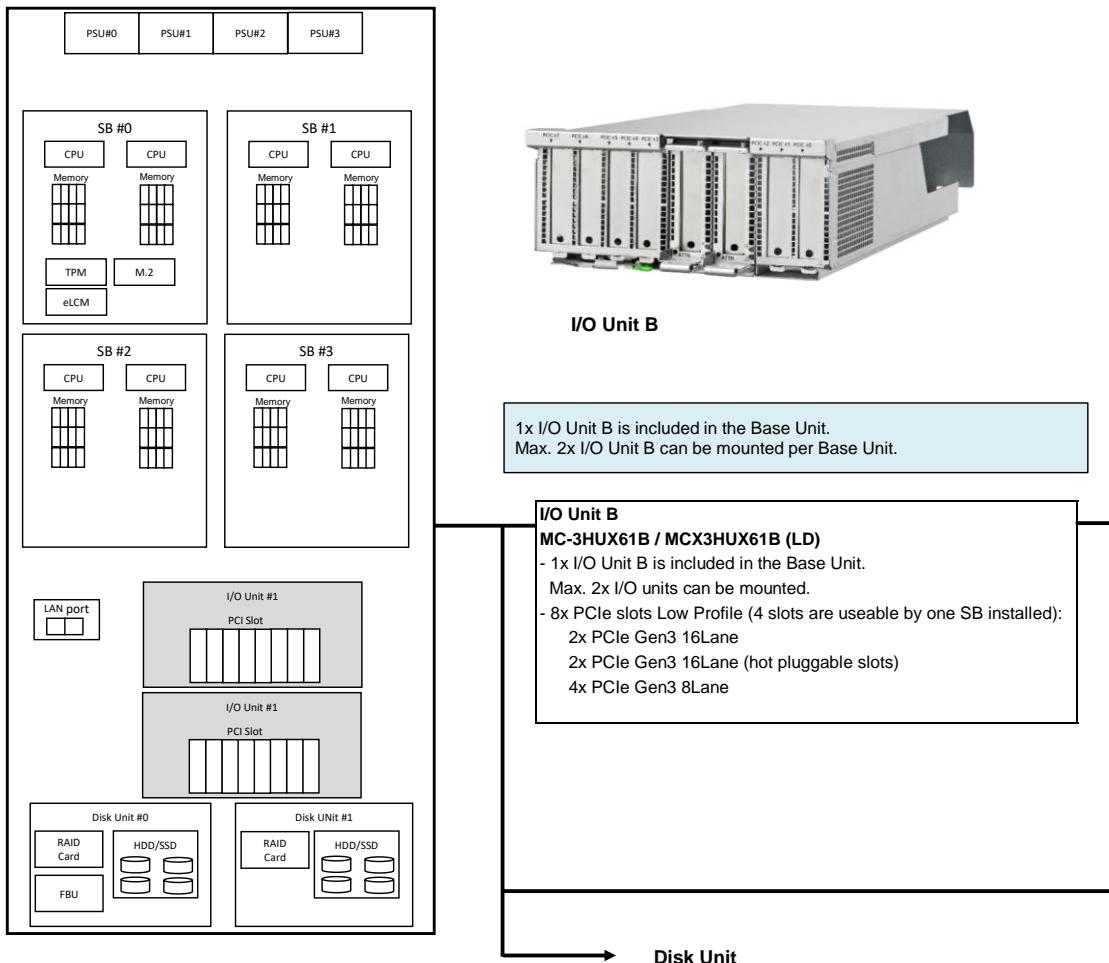
Please do manual installation of OS if boot from DCPMM is required.

Notes

- Please always keep both DCPMM and BIOS firmware to the latest version.
- The firmware of DCPMM and system BIOS must be updated to the latest version when replacing the DCPMMs.
- To replace DCPMM, the power of relevant server must be stopped.
- DCPMM must be reconfigured if DCPMM is added or replaced while in App Direct Mode. Refer to the DCPMM manuals at the <http://manuals.ts.fujitsu.com/> for the configuration of DCPMM.
- As memory cells of DCPMM are wearing parts, a DCPMM can only tolerate a limited number of write jobs. PBW (PetaBytes Written) is an indicator which specifies write endurance of a DCPMM. Depending on how the product is used, the number of writing times may reach the end of write endurance within the product lifespan. Percentage of data written to the lifetime can be confirmed in iRMC Web-UI. Refer to the following documents for how to check the status of write endurance of DCPMM.
 "Lifecycle monitoring of DCPMM on PRIMEQUEST 3000 series"
<http://manuals.ts.fujitsu.com/index.php?id=5406-14274-18399-18783>
 Select x86 Servers > PRIMEQUEST Servers > PRIMEQUEST 3000 Series > Common

6.I/O Unit

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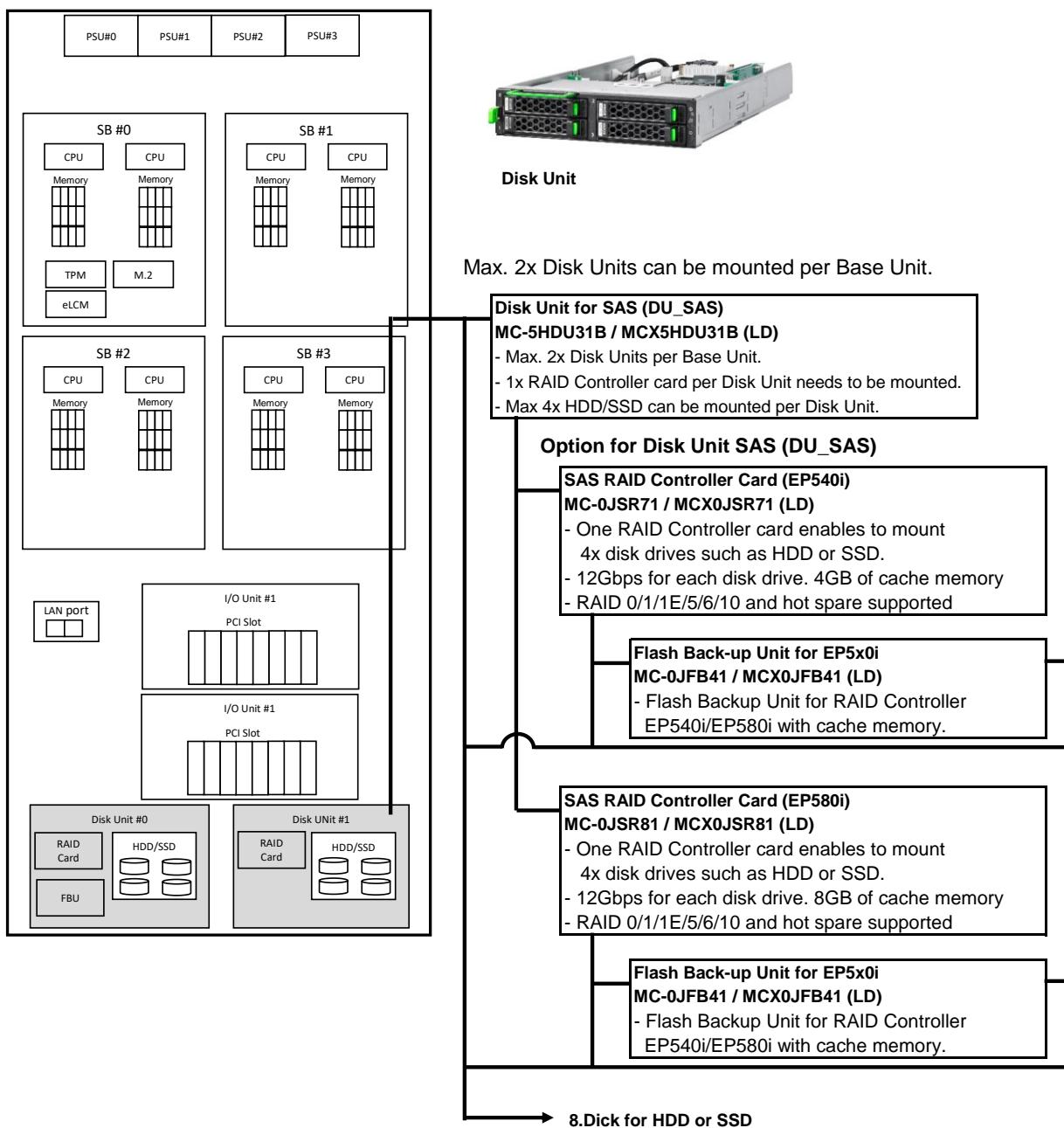


PCIe connection of PRIMEQUEST 3800B between SB, I/O Unit and Disk Unit.

	SB#0		SB#1		SB#2		SB#3	
	CPU#0	CPU#1	CPU#0	CPU#1	CPU#0	CPU#1	CPU#0	CPU#1
I/O Unit B#0	Slot#0	8Lane	enabled					
	Slot#1	8Lane	enabled					
	Slot#2	16Lane hotplug		enabled				
	Slot#3	16Lane hotplug		enabled				
	Slot#4	8Lane			enabled			
	Slot#5	8Lane			enabled			
	Slot#6	16Lane			enabled			
	Slot#7	16Lane				enabled		
I/O Unit B#1	Slot#0	8Lane				enabled		
	Slot#1	8Lane				enabled		
	Slot#2	16Lane hotplug					enabled	
	Slot#3	16Lane hotplug					enabled	
	Slot#4	8Lane						enabled
	Slot#5	8Lane						enabled
	Slot#6	16Lane						enabled
	Slot#7	16Lane						enabled
Disk Unit#0		enabled						
Disk Unit#1				enabled				

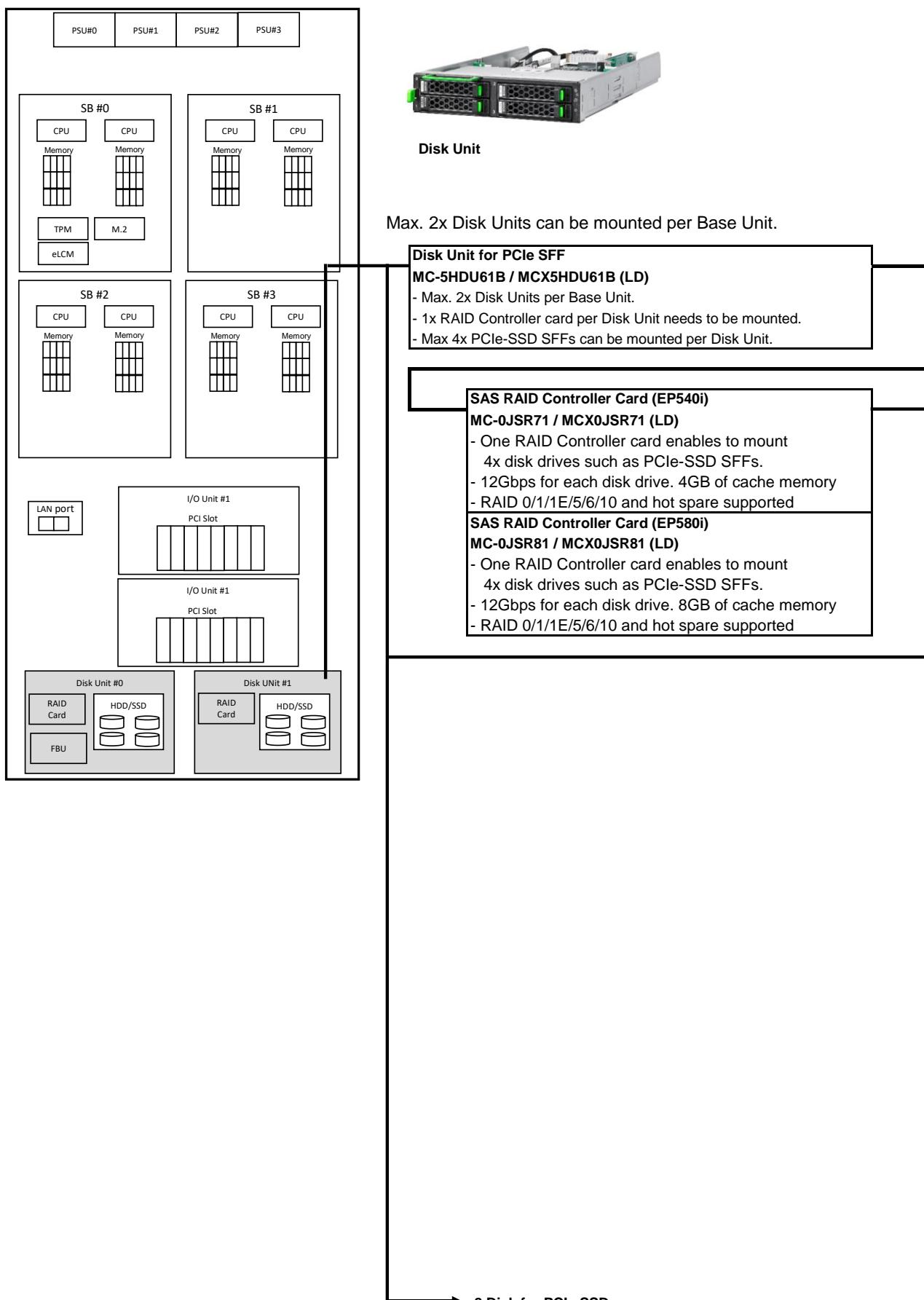
7.Disk Unit

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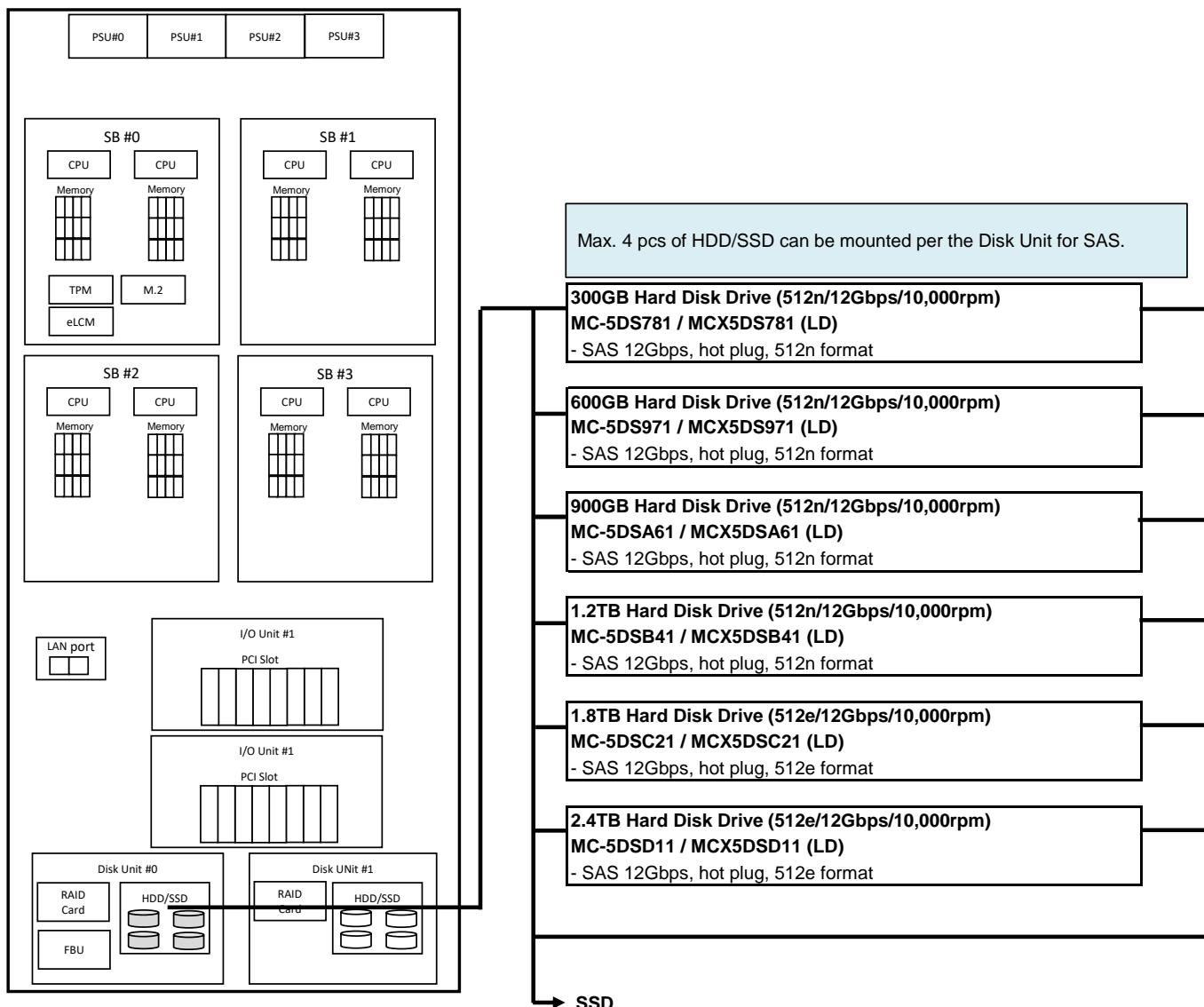
7.Disk Unit

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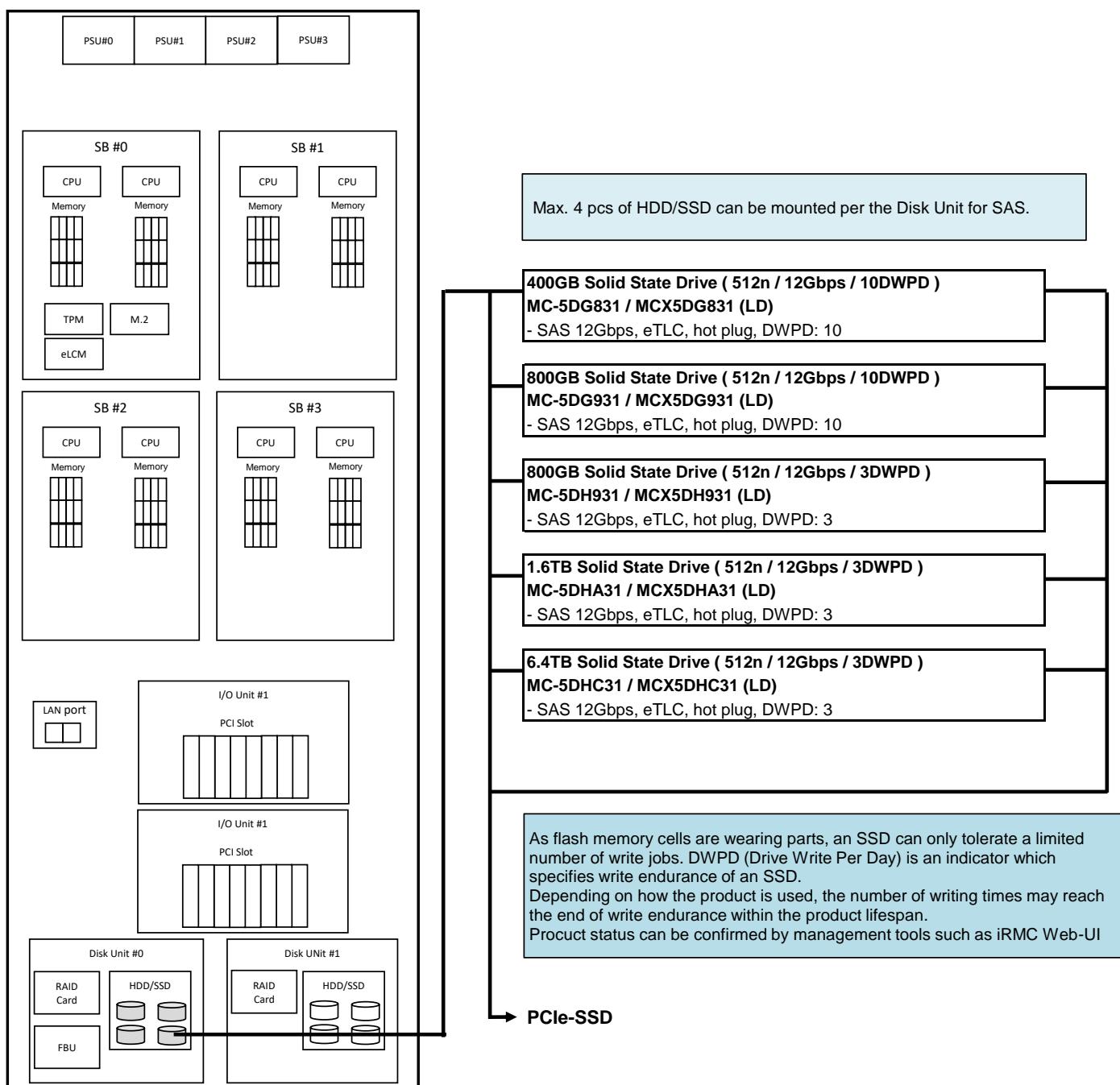
8.HDD

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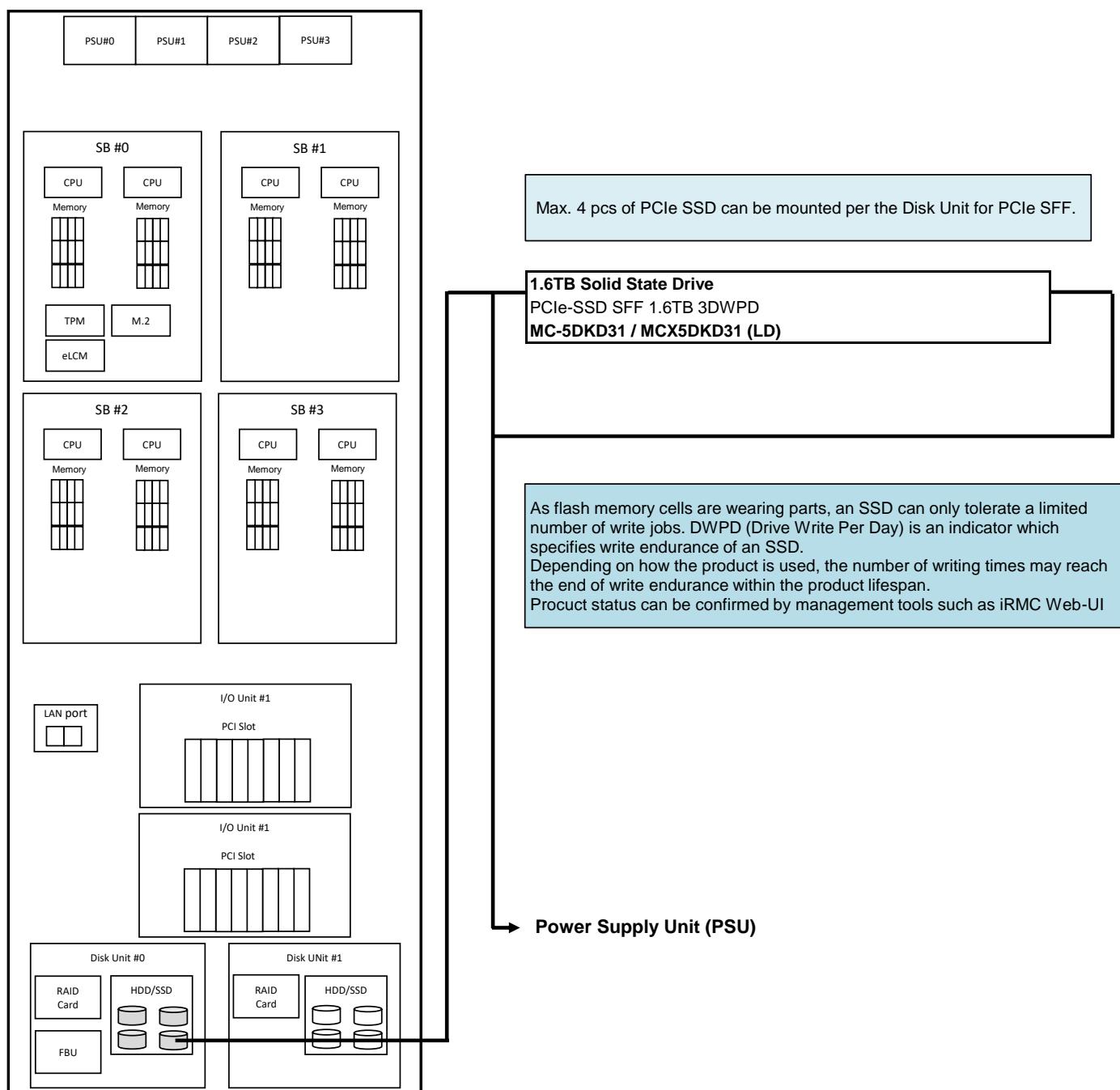
8.SSD

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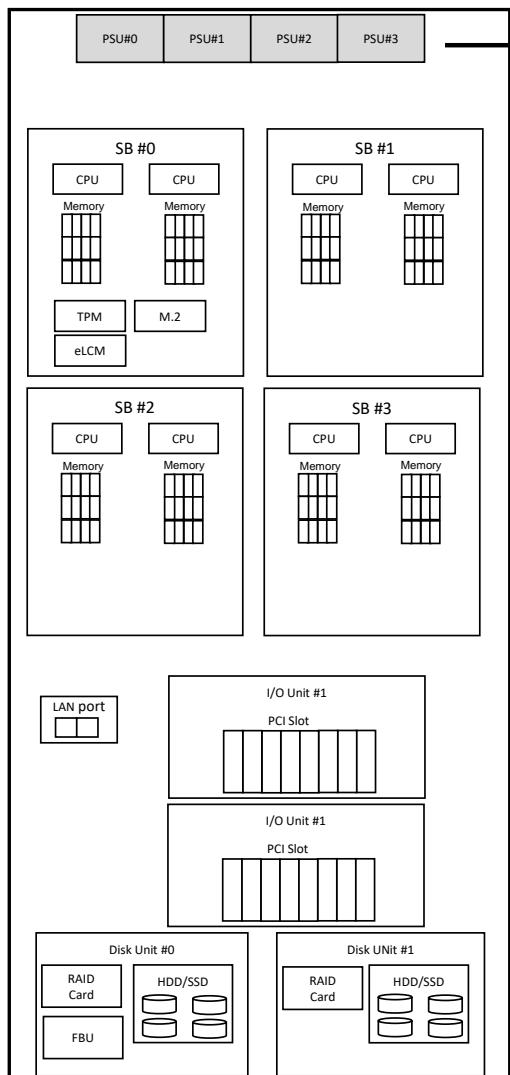
8.PCle SSD

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9. Power Supply Unit (PSU)

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Power Supply Unit (PSU)

At least two PSUs need to be mounted per system.
Max. 4x PSUs can be mounted for PSU redundancy.

200V Normal PSU
MC-5HPS71 / MCX5HPS71 (LD)
- Max. 4x PSUs can be mounted for PSU redundancy.
- 80PLUS® Platinum certified

200V High Power PSU
MC-5HPS81 / MCX5HPS81 (LD)
- Max. 4x PSUs can be mounted for PSU redundancy.
- 80PLUS® Platinum certified
- Not supported advanced thermal design option

AC Power input	Max. # of DCPMM	Redundancy	# of PSU	PSU Slots	Dual Power feed
Normal PSU 240V	0	Not redundant	2	No restriction	No
	0	redundant	2+1	No restriction	
	48	redundant	3+1	No restriction	
	0	redundant	2+2	No restriction	

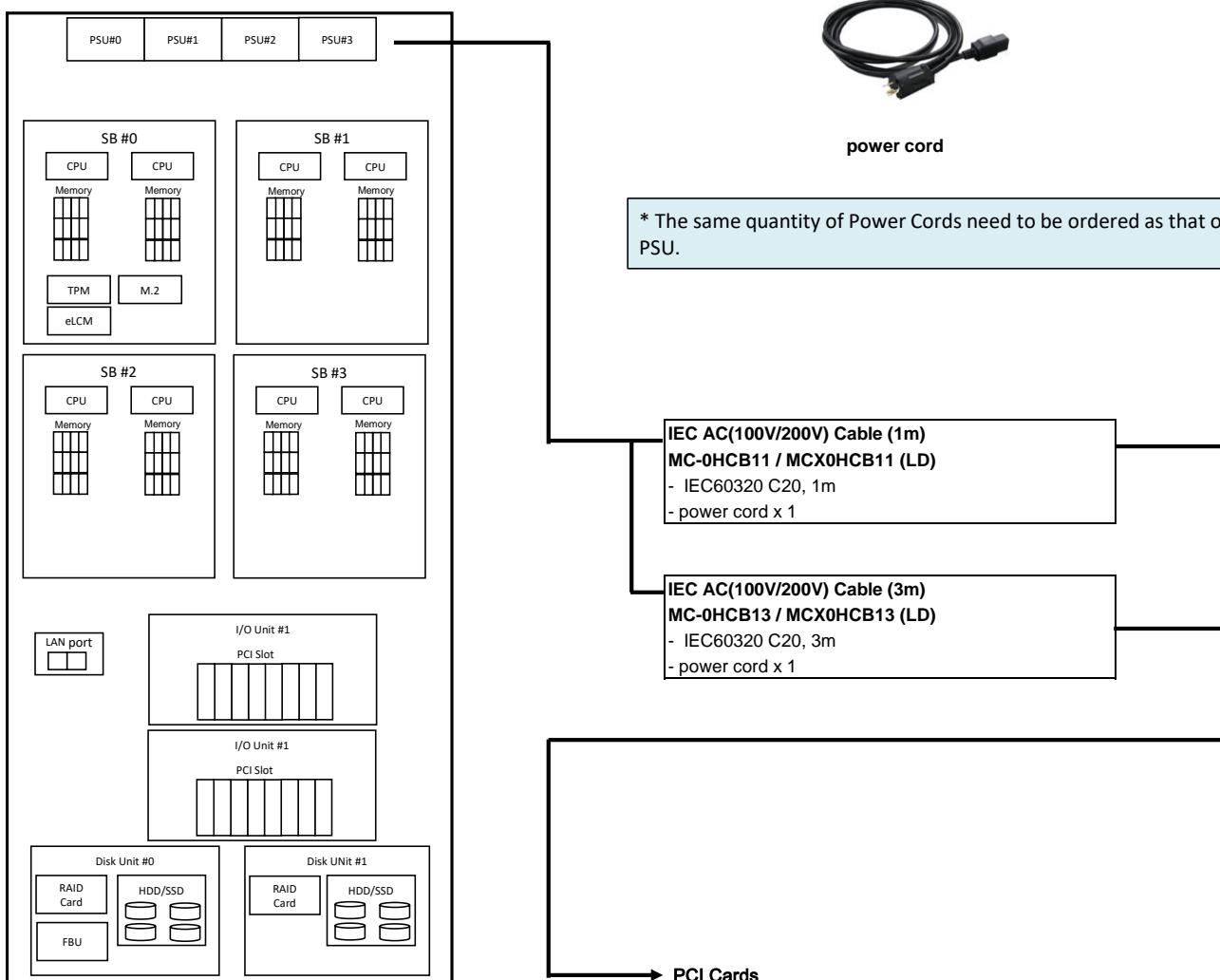
Dual power feed configuration will help to supply power even in the event of data center power feed failure and PSU failure.

AC Power input	Max. # of DCPMM	Redundancy	# of PSU	PSU Slots	Dual Power feed
High Power PSU	48	redundant	2+1	No restriction	No
		redundant	2+2	No restriction	

→ **Power Cords for Base Unit**

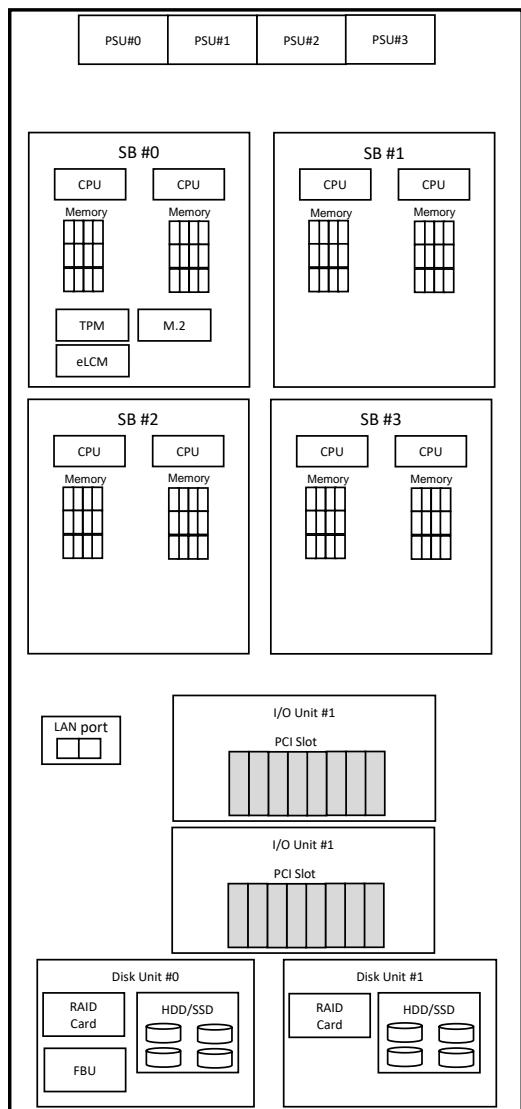
9.Power Cords for Base Unit

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10.PCI Cards

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Max. 16 cards can be mounted in Base Unit.

I/O Unit B : Max. 8 cards can be mounted per I/O Unit

- 2x PCIe Gen3 16Lane
- 2x PCIe Gen3 16Lane (hot pluggable slots)
- 4x PCIe Gen3 8Lane

**PFC EP LPe31000 1x 16Gb Emulex LP
MC-0JFCF1 / MCX0JFCF1 (LD)**

- Single Channel 16Gbps Fibre Channel Card, Low Profile

**PFC EP LPe31002 2x 16Gb Emulex LP
MC-0JFCG1 / MCX0JFCG1 (LD)**

- Dual Channel 16Gbps Fibre Channel Card, Low Profile

**PFC EP LPe32000 1x 32Gb Broadcom LP
MC-0JFCM1 / MCX0JFCM1 (LD)**

- Single Channel 32Gbps Fibre Channel Card, Low Profile

**PFC EP LPe32002 2x 32Gb Broadcom LP
MC-0JFCN1 / MCX0JFCN1 (LD)**

- Dual Channel 32Gbps Fibre Channel Card, Low Profile

**PFC EP QLE2690 1x 16Gb Qlogic LP
MC-0JFCP1 / MCX0JFCP1 (LD)**

- Single Channel 16Gbps Fibre Channel Card, Low Profile

**PFC EP QLE2692 2x 16Gb Qlogic LP
MC-0JFCQ1 / MCX0JFCQ1 (LD)**

- Dual Channel 16Gbps Fibre Channel Card, Low Profile

**PFC EP QLE2740 1x 32Gb Cavium LP
MC-0JFCK1 / MCX0JFCK1 (LD)**

- Single Channel 32Gbps Fibre Channel Card, Low Profile

**PFC EP QLE2742 2x 32Gb Cavium LP
MC-0JFCL1 / MCX0JFCL1 (LD)**

- Dual Channel 32Gbps Fibre Channel Card, Low Profile

→ PCI Cards 2

PCI Cards 2

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Max. 16 cards can be mounted in Base Unit.
I/O Unit B : Max. 8 cards can be mounted per I/O Unit
- 2x PCIe Gen3 16Lane
- 2x PCIe Gen3 16Lane (hot pluggable slots)
- 4x PCIe Gen3 8Lane

PLAN CP 4x1Gbit Cu Intel I350-T4 LP

MC-0JGED1 / MCX0JGED1 (LD)

Quad Channel 1000BASE-T, Low Profile

PLAN EP X550-T2 2x10GBASE-T LP

MC-0JXEJ1 / MCX0JXEJ1 (LD)

Dual Channel 10GBASE-T, Low Profile

PLAN EP X710-T4 4x10GBASE-T LP

MC-0JXF11 / MCX0JXF11 (LD)

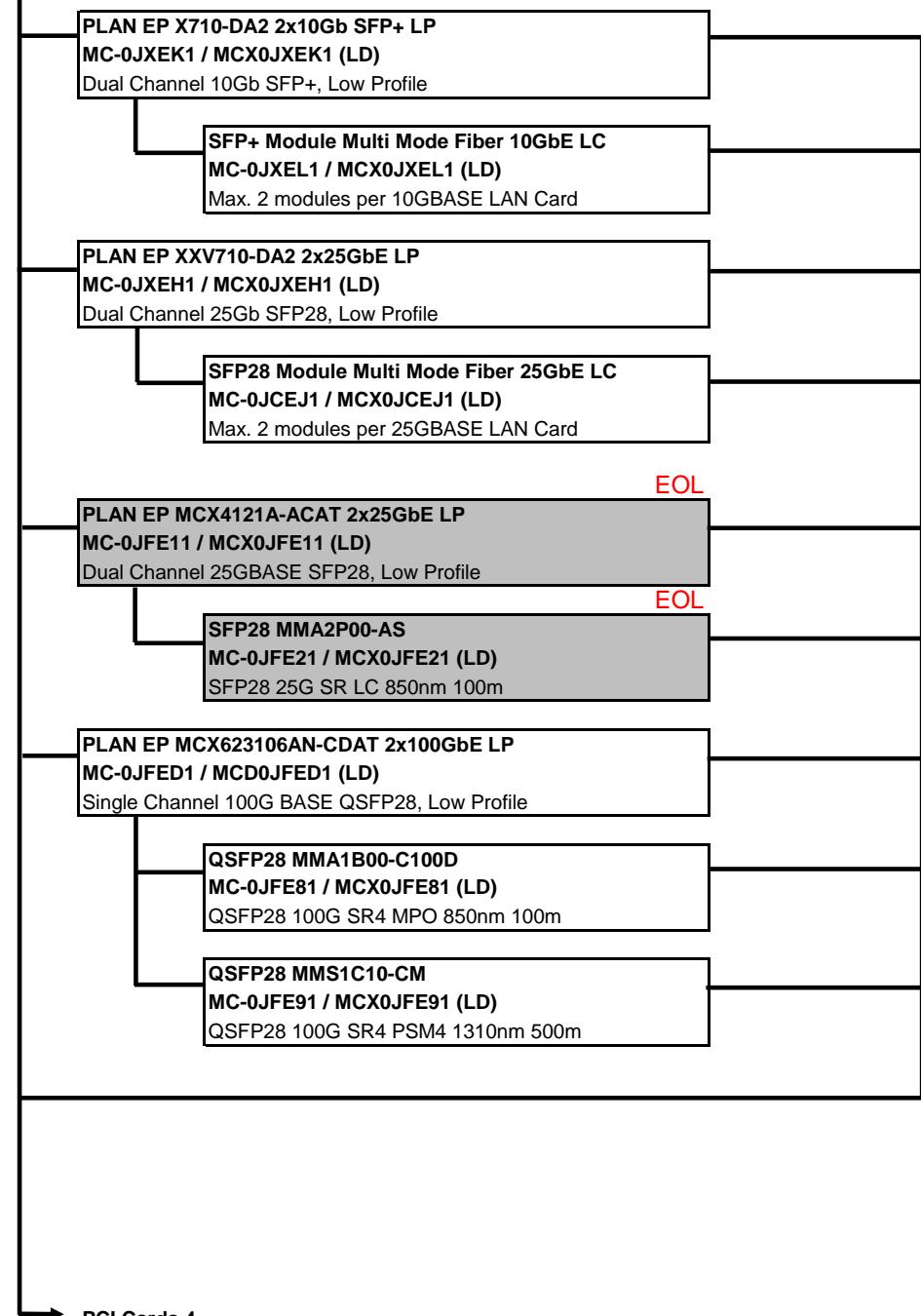
Quad Channel 1000BASE-T

PCI Cards 3

PCI Cards 3

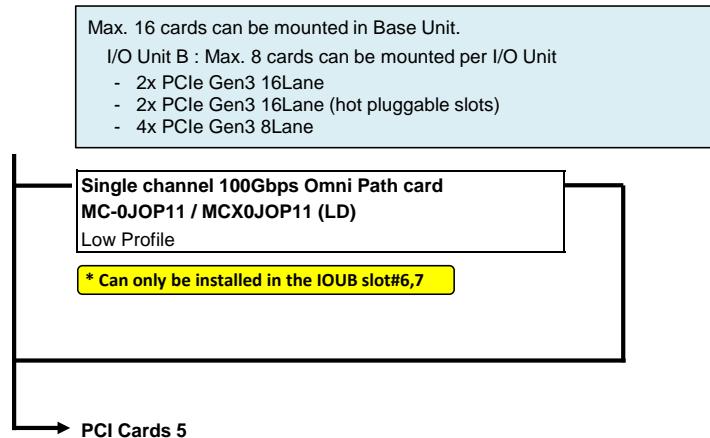
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Max. 16 cards can be mounted in Base Unit.
 I/O Unit B : Max. 8 cards can be mounted per I/O Unit
 - 2x PCIe Gen3 16Lane
 - 2x PCIe Gen3 16Lane (hot pluggable slots)
 - 4x PCIe Gen3 8Lane



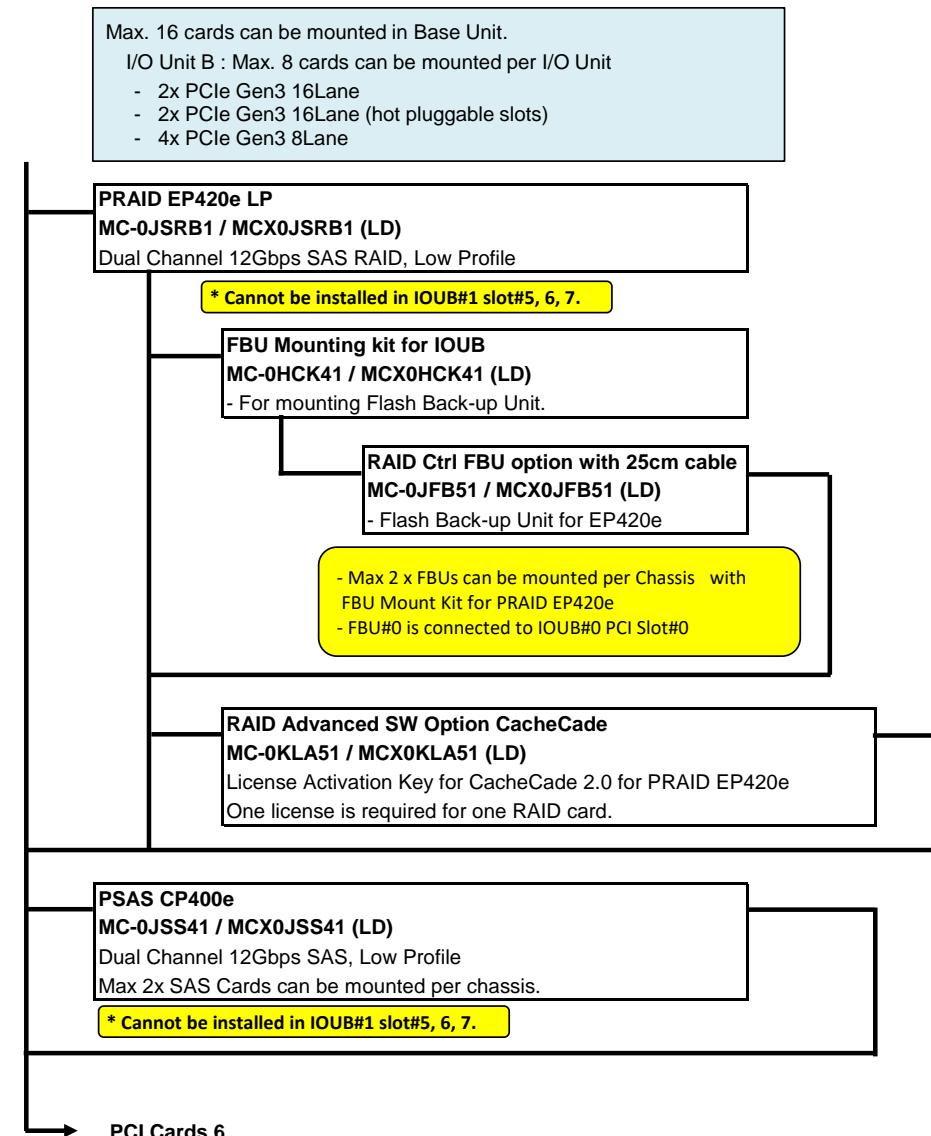
PCI Cards 4

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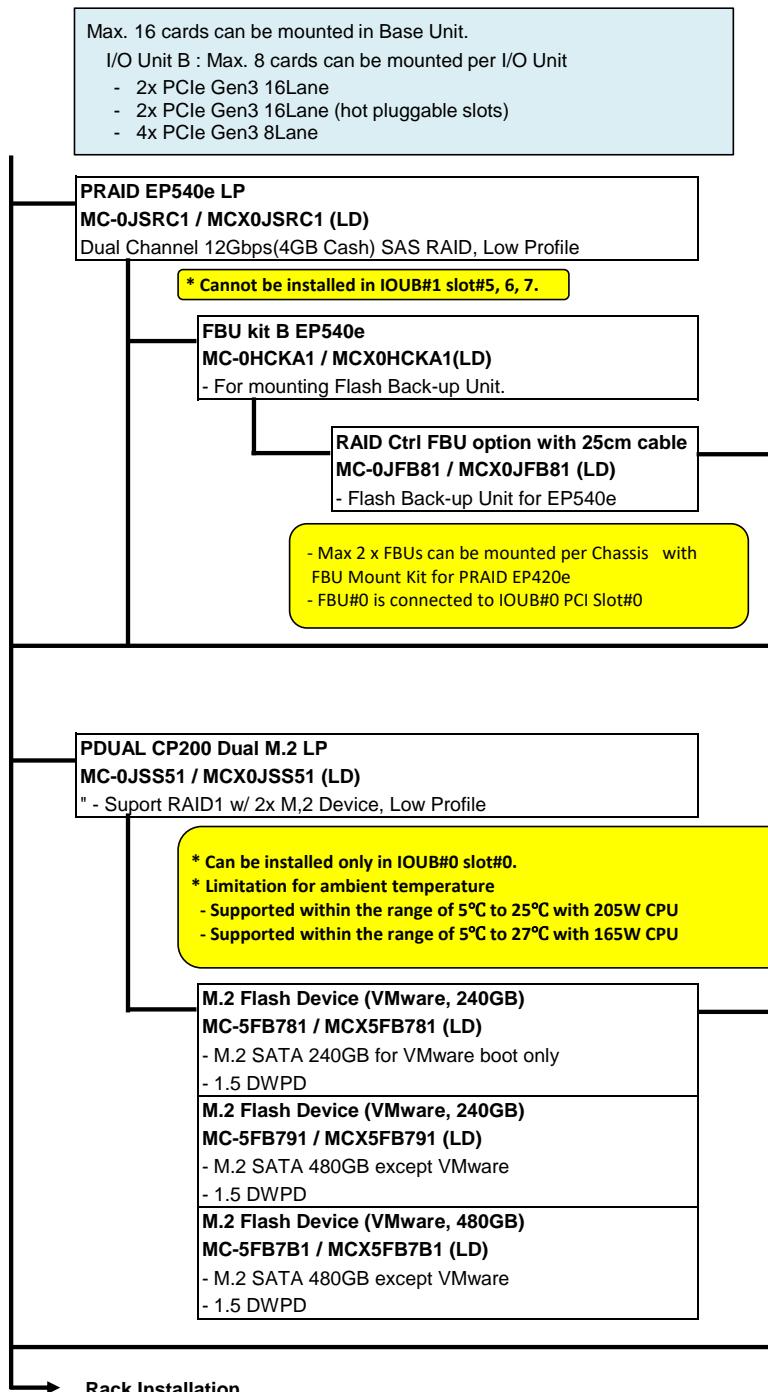
PCI Cards 5

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11.Rack Installation for APAC and Americas

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For the details of rack products, please refer to "19 inch Rack Handbook".
<https://globalpartners.ts.fujitsu.com/sites/primeweb/services/servers/primequest/document/Pages/dc-h-guide.aspx>

Rack for APAC & Americas	Rack Mount Kit:
	<ul style="list-style-type: none"> - can be used to mount PRIMEQUEST to Rack Units which are delivered from Fujitsu factories (Japan and Germany). - is bundled with PRIMEQUEST Base Unit.
Rack Units	Rack Units:
Model 2724 Base Rack 19R-272A2 24U (Width 700mm x Depth 1,050mm x Height 1,200mm)	<ul style="list-style-type: none"> - NOT include Stabilizer, Blank Panel or screw kits. Please purchase them together with the Rack Unit, if necessary.
Model 2737 Base Rack 19R-273A2 37U (Width 700mm x Depth 1,050mm x Height 1,792mm)	
Expansion Rack 19R-273B2	
Model 2742 Base Rack 19R-274A2 42U (Width 700mm x Depth 1,050mm x Height 2,000mm)	
Expansion Rack 19R-274B2	
Model 2616 Base Rack 19R-261A2 16U (Width 600mm x Depth 1,050mm x Height 845mm)	
Model 2624 Base Rack 19R-262A2 24U (Width 600mm x Depth 1,050mm x Height 1,200mm)	
Model 2642 Base Rack 19R-264A2 42U (Width 600mm x Depth 1,050mm x Height 2,000mm)	
Expansion Rack 19R-264B2	
Tilt-Resistant Stabilizer	Tilt-Resistant Stabilizer:
L-form Stabilizer 19R-27FS1 For Model 2724/2737/2742	<ul style="list-style-type: none"> - If racks are not fixed to the floor, stabilizers should be ordered and jointed to the racks. - is NOT bundled with rack. Needs to be purchased.
L-form Stabilizer 19R-26FS1 For Model 2616/2624/2642	
Pull out type Stabilizer 19R-26FS2 For Model 2724/2737/2742/2616/2624/2642	
Earthquake-Proof Kit	Earthquake-Proof Kit:
Earthquake-proof Kit 19R-27ST1 For Base Rack for Model 2724/2737/2742 For front side, rear side, left side, and right side	<ul style="list-style-type: none"> - can fix racks to floor by anchoring racks to floor and using the kit holes. - To fix Earthquake-Proof Kit, please consult constructors.
Earthquake-proof Kit 19R-27ST2 For Expansion Rack for Model 2724/2737/2742 For front side and rear side	
Earthquake-proof Kit 19R-26ST1 For Base Rack for Model 2616/2624/2642 For front side, rear side, left side, and right side	
Earthquake-proof Kit 19R-26ST2 For Expansion Rack for Model 2616/2624/2642 For front side and rear side	

Blank Panel	Blank Panel (1U) 19R-26BP1	
	Blank Panel (2U) 19R-26BP2	
	Blank Panel (3U) 19R-26BP3	
Side Cable Duct	Side Cable Duct 19R-27SD1 For Model 2724/2737/2742	
Rack Tray	Rack Tray (Fixed Type) 19R-26TR1	
	Rack Tray (Slide Type) 19R-26TR2	
	Laptop PC Tray 19R-26TR3	
Cable Holder	Cable Holder for front side 19R-27CM1 * For Model 2724/2737/2742	
	Cable Holder for rear side 19R-27CM2 * For Model 2724/2737/2742	
	Cable Holder for front side 19R-26CM1 * For Model 2616/2624	
	Cable Holder for rear side 19R-26CM2 * For Model 2616/2624	
	Cable Holder for front side 19R-26CM11 * For Model 2642	
	Cable Holder for rear side 19R-26CM21 * For Model 2642	
Screw kit	Screw kit 19R-26SC1 50 pcs of M6 screws and 50 pcs of M6 cage nuts	

End

Blank Panel:
 - is used to prevent outflow of heated air into a vacant space.
 - space to joint Side Cable Duct, if they are not jointed, should be covered with Blank Panels.
 For Model 2724: 2 spaces (1U)
 For Model 2737/2742: 4 spaces (1U)
 - is NOT bundled with racks. Needs to be purchased.

Side Cable Duct:
 - is used to draw cables connected from the front side of equipments to the rear side of rack without occupying rack space by joining the Side Cable Ducts to the apertures in the sides of racks.
 Model 2724 : one aperture on each of left and right sides
 Model 2737/2742: 2 apertures on each of left and right sides
 - can accommodate around 90 cables with 5mm diameter.
 - If one aperture is not jointed with Side Cable Duct, the aperture should be covered with one 1U Blank Panel (19R-26BP1), which needs to be purchased.

* Cable holders bundled to each rack:

Model 2724: 6 pcs per Rack
 Model 2737: 8 pcs per Rack
 Model 2742: 10 pcs per Rack
 Model 2616: 4 pcs per Rack
 Model 2624: 6 pcs per Rack
 Model 2642: 10 pcs per Rack

If the bundled quantity is insufficient, please purchase additional cable holders.

Screw Kit:

- Needs to be purchased if equipments do not include screws or nuts to be fixed in a rack.
 - is NOT bundled with the 19 inch racks.

12. Maximum Quantity of PCIe Cards

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Maximum Quantity of PCIe Cards that can be mounted per Base Unit

Product Name		Order Number	Max. Qty		PHP	
			Build-to-Order	Loose Delivery		
SAS RAID controller card (EP420i)	PRAID EP420i	*5 *8	MC-0JSRA1	MCX0JSRA1	2	total 2
SAS RAID controller card (EP540i)	PRAID EP540i	*5 *8	MC-0JSR71	MCX0JSR71	2	
RAID controller card (EP580i)	PRAID EP580i	*5 *8	MC-0JSR81	MCX0JSR81	2	
PRAID EP420e	PRAID EP420e	*4 *5 *7	MC-0JSRB1	MCX0JSRB1	2	
PRAID EP540e	PRAID EP540e	*4 *5 *7	MC-0JSRC1	MCX0JSRC1	2	
PSAS CP400e	PSAS CP400e	*7	MC-0JSS41	MCX0JSS41	2	
PFC EP LPe31000 1x 16Gb Emulex	Broadcom LPe31000	*1 *2 *5	MC-0JFCF1	MCX0JFCF1	16 ports	total 8
PFC EP LPe31002 2x 16Gb Emulex	Broadcom LPe31002	*1 *2 *5	MC-0JFCG1	MCX0JFCG1	8 ports	
PFC EP LPe32000 1x 32Gb Broadcom	Broadcom LPe32000	*1 *2 *5	MC-0JFCM1	MCX0JFCM1	8 ports	total 8
PFC EP LPe32002 2x 32Gb Broadcom	Broadcom LPe32002	*1 *2 *5	MC-0JFCN1	MCX0JFCN1	8 ports	
PFC EP QLE2690 1x 16Gb Qlogic	Qlogic QLE2690	*1 *3 *5	MC-0JFCP1	MCX0JFCP1	16 ports	
PFC EP QLE2692 2x 16Gb Qlogic	Qlogic QLE2692	*1 *3 *5	MC-0JFCQ1	MCX0JFCQ1	16 ports	
PFC EP QLE2740 1x 32Gb Cavium	Qlogic QLE2740	*1 *3 *5	MC-0JCK1	MCX0JCK1	8 ports	
PFC EP QLE2742 2x 32Gb Cavium	Qlogic QLE2742	*1 *3 *5	MC-0JFCL1	MCX0JFCL1	8 ports	
PLAN CP 4x1GbE Cu Intel I350-T4	Intel i350-T4	*5	MC-0JGED1	MCX0JGED1	4	Yes
PLAN EP X550-T2 2x10GBASE-T	Intel X550-T2	*5	MC-0JXEJ1	MCX0JXEJ1	16	8 Yes
PLAN EP X710-DA2 2x10Gb SFP+	Intel X710-DA2	*5	MC-0JXEK1	MCX0JXEK1	4	4 Yes
PLAN EP X710-T4 2x10GbE-T	Intel X710-T4	*5	MC-0JXF11	MCX0JXF11	8	4 Yes
PLAN EP XXV710-DA2 2x 25GbE	Intel XXV710-DA2	*5	MC-0JXEH1	MCX0JXEH1	4	2 Yes
PLAN EP MCX4121A-ACAT 2x25GbE	Mellanox MCX4121A-ACAT	*6 *5	MC-0JFE11	MCX0JFE11	4	Yes
PLAN EP MCX416A-BCAT 2x40GbE	Mellanox MCX416A-BCAT	*6 *5	MC-0JFE41	MCX0JFE41	2	Yes
PLAN EP MCX415A-CCAT 1x100GbE	Mellanox MCX415A-CCAT	*6 *5	MC-0JFE71	MCX0JFE71	2	Yes
PLAN EP MCX623106AN-CDAT 2x100GbE LP	Mellanox MCX623106AN-CDAT	*6 *5	MC-0JFED1	MCX0JFED1	2	No
Single channel 100Gbps Omni Path card			MC-0JOP11	MCX0JOP11	4	N/A No

Notes:

*1) Broadcom Fibre Channel Cards and Qlogic Fibre Channel Cards CANNOT be used in the same chassis.

*2) Max total quantity of "Broadcom Fibre Channel Cards" and "Broadcom LAN Cards" that can be mounted:

-16 x ports per chassis

*3) Max total quantity of "Qlogic Fibre Channel Cards" that can be mounted:

-8 x cards per chassis

*4) "PRAID EP420e/EP540e" with FBU can only be mounted IOU#0 PCI Slot#0 and IOU#1 PCI Slot#0

-2 x cards per chassis

*5) EP420i and EP420e, or EP540i/580i and EP420e/EP540e are supported with a total of up to 2 cards by ESXi.

Emulex FC (LPe3100x, LPe3200x) is supported with a total of up to 8 cards by ESXi.

'XXV710 is supported with a total of up to 2 cards by ESXi.

QLogic FC (QUE2690, QUE2692, QUE2740, QUE2742) is supported with a total of up to 8 cards by ESXi.

Mellanox PLANS(25/40/100Gb) are supported with a total of up to 4 ports by ESXi.

Up to 16 10Gb ports are supported by ESXi 6.7.

Refer to the following documents for restriction on VMware vSphere.

<https://configmax.vmware.com/home>

*6) Mixing of Mellanox 25G/40G/100G LAN card and 100G Infiniband HCA card is not allowed.

*7) EP420e and CP400e are not allowed to be mounted on slot #5, #6, and #7 of the IOUB#1

*8) EP420i and EP540i/580i are not allowed to be populated together.

13. Available OS

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- (1) Microsoft® Windows Server® 2016 (Standard/Datacenter)
 (2) Microsoft® Windows Server® 2019 (Standard / Datacenter)
 (3) Microsoft® Windows Server® 2022 (Standard / Datacenter)
 (4) Red Hat® Enterprise Linux®
 (5) SUSE® Linux Enterprise Server
 (6) VMware vSphere®
 (7) Oracle® Linux
 (8) Oracle® VM
- A : Available
 NA : Not Available
 p : planned

Product name	Order number		OS								
	Build to Order	Loose Delivery	Win2016 (1)	Win2019 (2)	Win2022 (3)	RHEL (4)	SLES (5)	VMware (6)	Oracle Linux (7)	Oracle VM (8)	
PRIMEQUEST 3800B2 Base Unit	MCK3AC111B		-	-	-	-	-	-	-	-	
Advanced Thermal Design Option	MC-0PTH2		-	-	-	-	-	-	-	-	
System Board	MC-3HSBD1B	MCX3HSBD1B	-	-	-	-	-	-	-	-	
eLCM Activation License (no load)	MC-6KMA11	MCX6KMA11	A	A	A	A	A	A	NA	NA	
TPM Module(v2.0)	MC-6HTP51	MCX6HTP51	A	A	A	NA	NA	NA	NA	NA	
USB Flash Device 64GB Dual	MC-5FA411	MCX5FA411	NA	NA	NA	NA	NA	A	NA	NA	
M.2 Flash Device (VMware, 240GB)	MC-5FB781	MCX5FB781	NA	NA	NA	NA	NA	A	NA	NA	
M.2 Flash Device 240GB (except ESXi)	MC-5FB791	MCX5FB791	A	A	A	A	A	NA	NA	A	
M.2 Flash Device 480GB (except ESXi)	MC-5FB7B1	MC-5FB7B1	A	A	A	A	A	NA	NA	A	
Intel Xeon Platinum 8280L Processor (28C/2.7GHz/4.5TB/205W)	MC-3BJA41B	MCX3BJA41B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8280 Processor (28C/2.7GHz/1TB/205W)	MC-3BJA11B	MCX3BJA11B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8276L Processor (28C/2.2GHz/4.5TB/165W)	MC-3BKA41B	MCX3BKA41B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8276 Processor (28C/2.2GHz/1TB/165W)	MC-3BKA11B	MCX3BKA11B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8270 Processor (26C/2.7GHz/1TB/205W)	MC-3BKB11B	MCX3BKB11B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8268 Processor (24C/2.9GHz/1TB/205W)	MC-3BJC11B	MCX3BJC11B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8260L Processor (24C/2.4GHz/4.5TB/165W)	MC-3BKC41B	MCX3BKC41B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8260 Processor (24C/2.4GHz/1TB/165W)	MC-3BKC11B	MCX3BKC11B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8256 Processor (4C/3.8GHz/1TB/105W)	MC-3BKN11B	MCX3BKN11B	A	A	A	A	A	A	A	A	
Intel Xeon Platinum 8253 Processor (16C/2.2GHz/1TB/125W)	MC-3BKG11B	MCX3BKG11B	A	A	A	A	A	A	A	A	
32GB Memory (16GB 1Rx4 DDR4 RDIMM x2)	MC-3CE611B	MCX3CE611B	A	A	A	A	A	A	A	A	
64GB Memory (32GB 2Rx4 DDR4 RDIMM x2)	MC-3CE711B	MCX3CE711B	A	A	A	A	A	A	A	A	
128GB Memory (64GB 2Rx4 DDR4 RDIMM x2)	MC-3CE811B	MCX3CE811B	A	A	A	A	A	A	A	A	
128GB Memory (64GB 4Rx4 DDR4 RDIMM x2)	MC-3CE821B	MCX3CE821B	A	A	A	A	A	A	A	A	
256GB Memory (128GB 8Rx4 DDR4 RDIMM 3DS x2)	MC-3CE911B	MCX3CE911B	A	A	A	A	A	A	A	A	
256GB Memory (128GB 4Rx4 DDR4 LRDIMM)	MC-3CE931B	MCX3CE931B	A	A	A	A	A	A	A	A	
512GB Memory (256GB 8Rx4 DDR4 LRDIMM 3DS x2)	MC-3CEA11B	MCX3CEA11B	A	A	A	A	A	A	A	A	
512GB memory (256GB 8Rx4 DDR4 RDIMM 3DS x2)	MC-3CEA21B	MCX3CEA21B	A	A	A	A	A	A	A	A	
128GB DDR-T DCPMM (NVM/LRDIMM)	MC-3CK811B	MCX3CK811B	NA	A	A	A	A	NA	NA	NA	
256GB DDR-T DCPMM (NVM/LRDIMM)	MC-3CK911B	MCX3CK911B	NA	A	A	A	A	NA	NA	NA	
512GB DDR-T DCPMM (NVM/LRDIMM)	MC-3CKA11B	MCX3CKA11B	NA	A	A	A	A	NA	NA	NA	
Memory Mode Performance Installation	MC-0PMMS5		-	-	-	-	-	-	-	-	
Memory Mode Mirror Installation	MC-0PMMS7		-	-	-	-	-	-	-	-	
Memory Mode Normal or Spare Installation	MC-0PMMS8		-	-	-	-	-	-	-	-	
I/O Unit B	MC-3HUX61B	MCX3HUX61B	-	-	-	-	-	-	-	-	
Disk Unit for SAS (DU_SAS)	MC-5HDU31B	MCX5HDU31B	-	-	-	-	-	-	-	-	
Disk Unit for PCIe SFF	MC-5HDU61B	MCX5HDU61B	-	-	-	-	-	-	-	-	
SAS RAID controller card (EP420i)	MC-0JSRA1	MCX0JSRA1	A	A	A	7.6 7.7 7.8 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4 15SP5	6.5U3 6.7U1 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8	3.4.6.1	* EP420i
SAS RAID controller card (EP540i)	MC-0JSR71	MCX0JSR71	A	A	A	7.6 7.7 7.8 8.0 8.1 8.2 8.3 8.4 8.5 8.6	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4 15SP5	6.5U3 6.7U1 6.7U2 6.7U3 7.0 7.0U1	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8	3.4.6.1	*EP540i

SAS RAID controller card (EP580i)	MC-0JSR81	MCX0JSR81	A	A	A	8.7 8.8 9.0 9.1 9.2 9.3	15SP3 15SP4	7.0U2 7.0U3 8.0U1	7.7 7.8 7.9	3.4.6.1	*EP580i
RAID controller card (EP540e)	MC-0JSRC1	MCX0JSRC1		A	A	7.6 7.7 7.8 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.7U1 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	NA	NA	*EP540e
Flash Back-up Unit for EP420i	MC-0JFB61	MCX0JFB61	-	-	-	-	-	-	-	-	-
Flash Back-up Unit for EP5x0i	MC-0JFB41	MCX0JFB41	-	-	-	-	-	-	-	-	-
Flash Back-up Unit for EP540e	MC-0JFB81	MCX0JFB81	-	-	-	-	-	-	-	-	-
RAID Advanced SW Option CacheCade	MC-0KLA51	MCX0KLA51	A	A	A	A	A	A	A	A	A
300GB Hard Disk Drive (512n/12Gbps/15,000rpm)	MC-5DS771	MCX5DS771	A	A	A	A	A	A	A	A	A
600GB Hard Disk Drive (512n/12Gbps/15,000rpm)	MC-5DS961	MCX5DS961	A	A	A	A	A	A	A	A	A
900GB Hard Disk Drive (512n/12Gbps/15,000rpm)	MC-5DSA51	MCX5DSA51	A	A	A	A	A	A	A	A	A
300GB Hard Disk Drive (512n/12Gbps/10,000rpm)	MC-5DS781	MCX5DS781	A	A	A	A	A	A	A	A	A
600GB Hard Disk Drive (512n/12Gbps/10,000rpm)	MC-5DS971	MCX5DS971	A	A	A	A	A	A	A	A	A
900GB Hard Disk Drive (512n/12Gbps/10,000rpm)	MC-5DSA61	MCX5DSA61	A	A	A	A	A	A	A	A	A
1.2TB Hard Disk Drive (512n/12Gbps/10,000rpm)	MC-5DSB41	MCX5DSB41	A	A	A	A	A	A	A	A	A
1.8TB Hard Disk Drive (512e/12Gbps/10,000rpm)	MC-5DSC21	MCX5DSC21	A	A	A	A	A	A	A	A	A
2.4TB Hard Disk Drive (512e/12Gbps/10,000rpm)	MC-5DSD11	MCX5DSD11	A	A	A	A	A	A	A	A	A
400GB Solid State Drive (512n/12Gbps/10DWPD)	MC-5DG821	MCX5DG821	A	A	A	A	A	A	A	A	A
800GB Solid State Drive (512n/12Gbps/10DWPD)	MC-5DG921	MCX5DG921	A	A	A	A	A	A	A	A	A
1.6TB Solid State Drive (512n/12Gbps/10DWPD)	MC-5DGA21	MCX5DGA21	A	A	A	A	A	A	A	A	A
400GB Solid State Drive (512n/12Gbps/10DWPD)	MC-5DG831	MCX5DG831	A	A	A	A	A	A	A	A	A
800GB Solid State Drive (512n/12Gbps/10DWPD)	MC-5DG931	MCX5DG931	A	A	A	A	A	A	A	A	A
1.6TB Solid State Drive (512n/12Gbps/10DWPD)	MC-5DGA31	MCX5DGA31	A	A	A	A	A	A	A	A	A
800GB Solid State Drive (512n/12Gbps/3DWPD)	MC-5DH931	MCX5DH931	A	A	A	A	A	A	A	A	A
1.6TB Solid State Drive (512n/12Gbps/3DWPD)	MC-5DHA31	MCX5DHA31	A	A	A	A	A	A	A	A	A
3.2TB Solid State Drive (512n/12Gbps/3DWPD)	MC-5DHB31	MCX5DHB31	A	A	A	A	A	A	A	A	A
6.4TB Solid State Drive (512n/12Gbps/3DWPD)	MC-5DHC31	MCX5DHC31	A	A	A	A	A	A	A	A	A
PCIe-SSD SFF 1.6TB (3DWPD)	MC-5DKD31	MCX5DKD31	A	A	A	A	A	A	A	A	A
100V/200V normal PSU	MC-5HPS71	MCX5HPS71	-	-	-	-	-	-	-	-	-
200V High Power PSU	MC-5HPS81	MCX5HPS81	-	-	-	-	-	-	-	-	-
IEC AC(100V/200V) Cable (1m)	MC-0HCB11	MCX0HCB11	-	-	-	-	-	-	-	-	-
IEC AC(100V/200V) Cable (3m)	MC-0HCB13	MCX0HCB13	-	-	-	-	-	-	-	-	-

13. Available OS

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Product name	Order number		OS							
	Build to Order	Loose Delivery	Win2016 (1)	Win2019 (2)	Win2022 (3)	Red Hat® Enterprise Linux® (4)	SLES (5)	Suse (6)	Oracle Linux (7)	Oracle VM (8)
PFC EP LPe31000 1x 16Gb Emulex	MC-0JFCF1	MCX0JFCF1				7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 9.0 9.1 9.2 9.3	12SP4 12SP5	6.5U3 6.7U1 6.7U2 6.7U3	7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8	3.4.6.1
PFC EP LPe31002 2x 16Gb Emulex	MC-0JFCG1	MCX0JFCG1	A	A	A	8.4 8.5 8.6 8.7 8.8 9.0 9.1 9.2 9.3	SP1 SP2 SP3 SP4	7.0b 7.0U1 7.0U2 7.0U3 8.0U1	3.4.6.1	
PFC EP LPe32000 1x 32Gb Broadcom	MC-0JFCM1	MCX0JFCM1				7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 9.0 9.1 9.2 9.3	12SP4 12SP5	6.5U3 6.7U1 6.7U2 6.7U3	7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8	3.4.6.1
PFC EP LPe32002 2x 32Gb Broadcom	MC-0JFCN1	MCX0JFCN1	A	A	A	8.4 8.5 8.6 8.7 8.8 9.0 9.1 9.2 9.3	SP1 SP2 SP3 SP4	7.0b 7.0U1 7.0U2 7.0U3 8.0U1	3.4.6.1	
PFC EP QLE2690 1x 16Gb Qlogic	MC-0JFCP1	MCX0JFCP1				7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 9.0 9.1	12SP5 15SP1	6.5U3 6.7U1 6.7U2 6.7U3	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8	3.4.6.1
PFC EP QLE2692 2x 16Gb Qlogic	MC-0JFCQ1	MCX0JFCQ1	A	A	A	8.3 8.4 8.5 8.6 8.7 9.0 9.1	15SP2 15SP3 15SP4	7.0b 7.0U1 7.0U2 7.0U3 8.0U1	3.4.6.1	
PFC EP QLE2740 1x 32Gb Qlogic	MC-0JFCK1	MCX0JFCK1				7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 9.0 9.1	12SP5 15SP1	6.5U3 6.7U1 6.7U2 6.7U3	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8	3.4.6.1
PFC EP QLE2742 2x 32Gb Qlogic	MC-0JFCL1	MCX0JFCL1	A	A	A	8.3 8.4 8.5 8.6 8.7 9.0 9.1	15SP2 15SP3 15SP4	7.0b 7.0U1 7.0U2 7.0U3 8.0U1	3.4.6.1	

- (1) Microsoft® Windows Server® 2016 (Standard/Datacenter)
- (2) Microsoft® Windows Server® 2019 (Standard / Datacenter)
- (3) Microsoft® Windows Server® 2022 (Standard / Datacenter)
- (4) Red Hat® Enterprise Linux®
- (5) SUSE® Linux Enterprise Server
- (6) VMware vSphere®
- (7) Oracle® Linux
- (8) Oracle® VM

* Broadcom LPe31000

* Broadcom LPe31002

* Broadcom LPe32000

* Broadcom LPe32002

* Qlogic QLE2690

* Qlogic QLE2692

* Qlogic QLE2740

* Qlogic QLE2742

PLAN CP 4x1Gbit Cu Intel I350-T4	MC-0JGED1	MCX0JGED1			A	A	A	7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4 15SP5	6.5U3 6.7U1 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 8.9 8.8 8.7 8.6 8.5 8.4 8.3 8.2 8.1 8.0	3.4.6.1	* Intel I350-T4
PLAN EP X550-T2 2x10GBASE-T	MC-0JXEJ1	MCX0JXEJ1			A	A	A	7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.7U1 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 8.9 8.8 8.7 8.6 8.5 8.4 8.3 8.2 8.1 8.0	3.4.6.1	* Intel X550-T2
PLAN EP X710-T4 4x10GBASE-T LP	MC-0JXF11	MCX0JXF11			A	A	A	7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.7U2 ("M") 7.0 7.0U1 7.0U2 7.0U3 8.0U1	NA NA	NA	"X710-T4
PLAN EP X710-DA2 2x10Gb SFP+	MC-0JXEK1	MCX0JXEK1			A	A	A	7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.7U1 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 8.9 8.8 8.7 8.6 8.5 8.4 8.3 8.2 8.1 8.0	3.4.6.1	* Intel X710-DA2
SFP+ Module Multi Mode Fiber 10GbE LC	MC-0JXEL1	MCX0JXEL1	-	-	-	-	-	-	-	-	-	-	-
PLAN EP XXV710-DA2 2x25GbE	MC-0JXEH1	MCX0JXEH1			A	A	A	7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.7U1 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	8.3 8.4 8.5 8.6 8.7 8.8	NA	* Intel XXV710-DA2
SFP28 Module Multi Mode Fiber 25GbE LC	MC-0JCEJ1	MCX0JCEJ1	-	-	-	-	-	-	-	-	-	-	-
QSFP28 MMA1B00-C100D	MC-0JFE81	MCX0JFE81	-	-	-	-	-	-	-	-	-	-	-
QSFP28 MMS1C10-CM	MC-0JFE91	MCX0JFE91	-	-	-	-	-	-	-	-	-	-	-
PLAN EP MCX4121A-ACAT 2x25GbE	MC-0JFE11	MCX0JFE11			A	A	A	7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.U 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	NA NA	NA	* Mellanox MCX4121A-ACAT
SFP28 MMA2P00-AS	MC-0JFE21	MCX0JFE21	-	-	-	-	-	-	-	-	-	-	-

* QSFP28 100G SR4 MPO 850nm 100m

* QSFP28 100G PSM4 1310nm 500m

PLAN EP MCX416A-BCAT 2x40GbE	MC-0JFE41	MCX0JFE41		A	A	A	7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 9.0	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.U 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	NA	NA	* Mellanox MCX416A-BCAT
QSFP MC2210411-SR4	MC-0JFEC1	MCX0JFE61	-	-	-	-	-	-	-	-	-	* QSFP 40G SR4 MPO 850nm 150m
PLAN EP MCX415A-CCAT 1x100GbE	MC-0JFE71	MCX0JFE71		A	A	A	7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 9.0	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.U 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	NA	NA	* Mellanox MCX415A-CCAT
PLAN EP MCX623106AN-CDAT 2x100GbE LP	MC-0JFED1	MCX0JFED1		A	A	A	7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5	12SP4 12SP5 15SP1 15SP2 15SP3	6.5U3 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	NA	NA	
POP EP 100Gb 1 port Omni Path	MC-0JOP11	MCX0JOP11	NA	NA	NA	7.6	12SP4 15	NA	NA	NA	NA	
PRAID EP420e	MC-0JSRB1	MCX0JSRB1		A	A	A	7.6 7.7 7.8 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4 15SP5	6.5U3 6.7U1 6.7U2 6.7U3 7.0 7.0U1 7.0U2 7.0U3 8.0U1	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8	3.4.6.1	* EP420e
RAID Ctrl FBU option with 25cm cable	MC-0JFB51	MCX0JFB51	-	-	-	-	-	-	-	-	-	
FBU Mounting kit for IOUB	MC-0HCK41	MCX0HCK41	-	-	-	-	-	-	-	-	-	
FBU kit B EP540e	MC-0HCKA1	MCX0HCKA1	-	-	-	-	-	-	-	-	-	
PSAS CP400e	MC-0JSS41	MCX0JSS41		A	A	A	7.6 7.7 7.8 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 9.0 9.1 9.2 9.3	12SP4 12SP5 15 15SP1 15SP2 15SP3 15SP4	6.5U3 6.7U1 6.7U2 6.7U3 8.3 8.4 8.5 8.6 8.7 8.8	7.7 7.8 7.9 8.2 8.3 8.4 8.5 8.6 8.7 8.8	3.4.6.1	* CP400e
PDUAL CP200 Dual M.2 LP	MC-0JSS51	MCX0JSS51	NA	NA	NA	NA	12SP5 15SP2	6.5U3 6.7U3 7.0U1 7.0U2 7.0U3 8.0U1	NA	NA	* CP200	

14. Restrictions

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The followin functions are restricted as of April 2019.

No.	
1	Intel 10GbE LAN cards [MC*0JXEK*] (X710-DA2) cannot be mounted to PHP slots (#2 and #3 slotes of IOU).
2	"Intel TXT" does not work.
3	Intel 10GbE-T LAN cards [MC*0JXEJ*] (X550-T2) does not work on Windows OS with Legacy mode.
4	Please update NVM version to 6.01 when XXV710-DA2 [MC*0JXEH1] and X710-DA2 [MC*0JXEK*] are mounted to the same chassis.
5	Mellanox 25/40/100Gb LAN cards [MC*0JFE11/MC*0JFE41/MC*0JFE71], Infiniband cards do not work in the same chassis.
6	Intel TXT function of Windows Server 2016 does not work with PRIMEQUEST.
7	In the Legacy mode, the installation of Windows OS cannot be done to the M.2 flash device [MC*5FB741/MC*5FB751]. Please use the uEFI mode.
8	Please install Windows Server 2019 with "Hyper Threading = OFF".
9	TPM module does not work with Windows Server 2019.
10	The iSCSI does not work with VMware 6.5.
11	Address range mirror is not supported with VMware.
12	Secure Boot does not work with Linux OSes.
13	M.2 Flash device with only SLES12-SP4 are supported. Other OSes are planned.
14	Oracle Linux/VM do not support SAN-Boot.

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Change Report

Date	Order number	Changes
kwi. 02, 2019		Ver. 1.0
lip. 02, 2019		Ver. 2.0
wrz. 17, 2019		Ver. 3.0
lis. 15, 2019		Ver. 4.0
Jun.10, 2020		Ver. 5.0
kwi. 01, 2020		Ver. 5.1
Oct. 1, 2020		Ver. 5.2
Feb. 1, 2021		Ver. 5.3
Mar. 1, 2021		Ver. 5.3
Apr. 1, 2021		Ver. 5.4
May. 1, 2021		Ver. 5.5
Aug. 1, 2021		Ver. 5.6
Mar. 29, 2022		Ver. 5.7
Nov. 28, 2022		Ver. 5.8
Jan. 25, 2023		Ver. 5.9
Dec. 25, 2023		Ver. 6.0
Feb. 26, 2024		Ver. 6.1
Aug. 23, 2024		Ver. 6.2
Feb. 21, 2025		Ver. 6.3