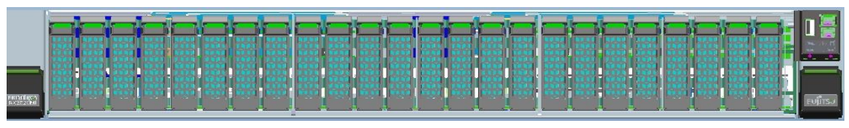
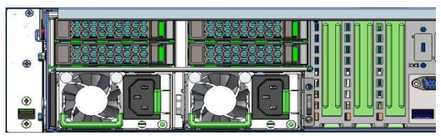
PRIMERGY RX2540 M2

System configurator and order-information guide

July 2017

Contents





PRIMERGY Server

Instructions

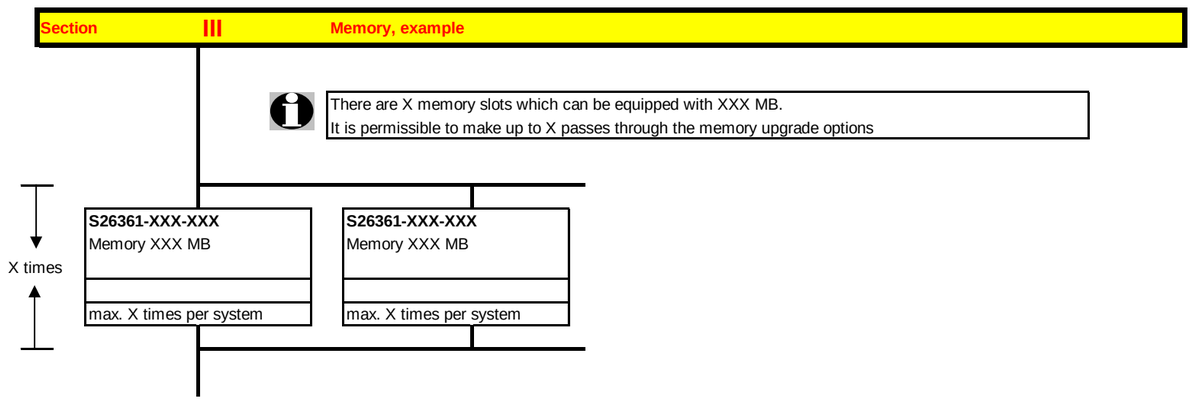
This document contains basic product and configuration information that will enable you to configure your system via PC-/System-Architect.

Only these tools will ensure a fast and proper configuration of your PRIMERGY server or your complete PRIMERGY Rack system.

You can configure your individual PRIMERGY server in order to adjust your specific requirements.

The System configurator is divided into several chapters that are identical to the current price list and PC-/SystemArchitect.

Please follow the lines. If there is a junction, you can choose which way or component you would like to take. Go through the configurator by following the lines from the top to the bottom.



In one chapter you can only select as many components (here 4x) as the arrow indicates.

Please note that there are information symbols which indicate necessary information.

For further information see:

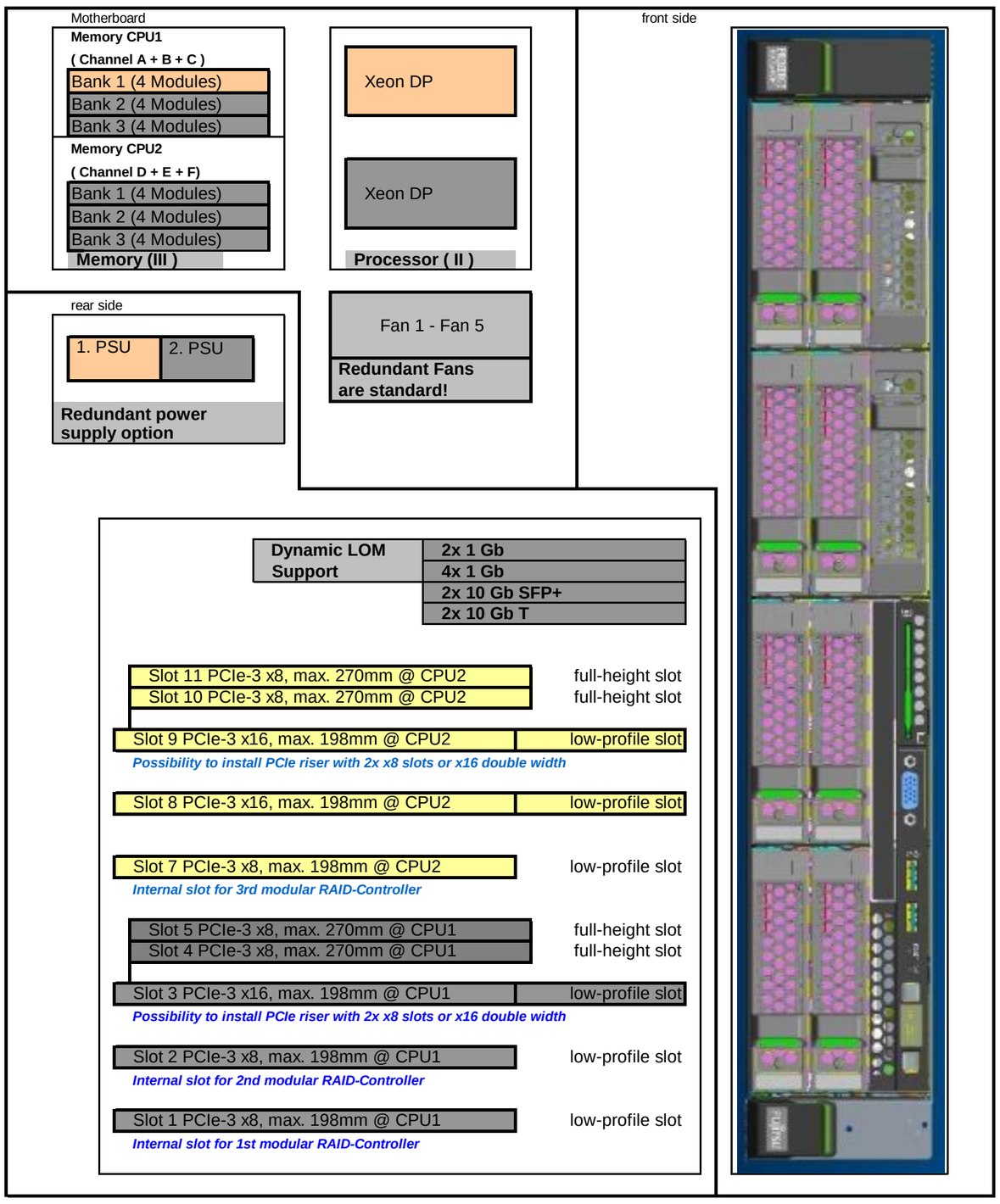
http://ts.fujitsu.com/products/standard_servers/inc (internet)

https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.aspx (extranet)

Configuration diagram PRIMERGY RX2540 M2 LFF

System unit (I)

with up to 4x, 8x or 12x 3.5" Hard disk drives (detailed front configuration see section Va)



Key:

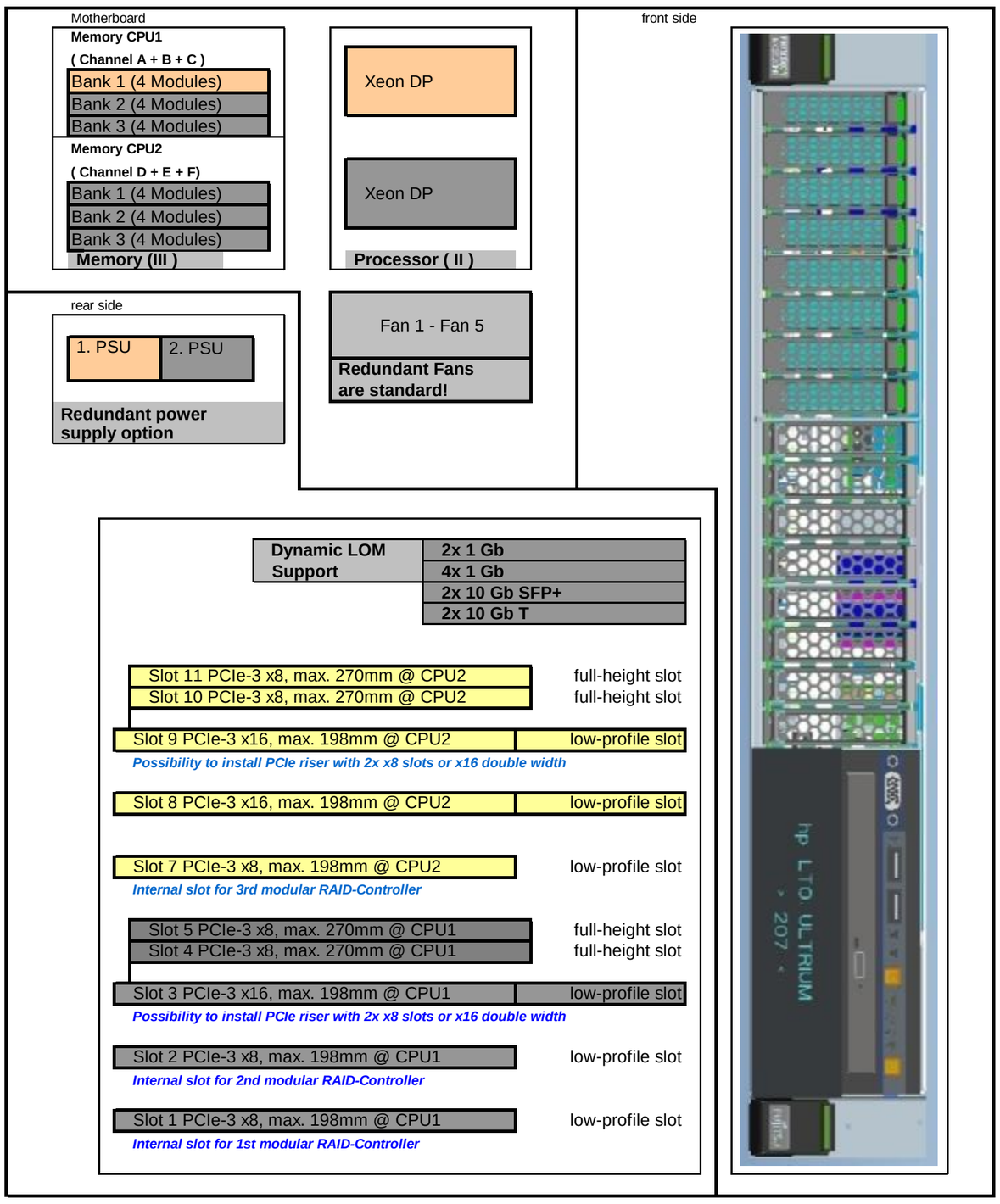
Included in basic unit — Option

One **CPU**, one **memory** per CPU and one **PSU** has to be selected for an orderable basic unit.

Configuration diagram PRIMERGY RX2540 M2 SFF

System unit (I)

with up to 8x, 16x or 24x 2.5" Hard disk drives (detailed front configuration see section Va)



Key:

Included in basic unit — Option

One **CPU**, one **memory** per CPU and one **PSU** has to be selected for an orderable basic unit.

Start PRIMERGY RX2540 M2

Section | Basic unit

System unit consisting of:
*** 2U Housing without power supply modules**
*** Basic units with:**
- 2 Hot-Plug Power Supply Bays
- 5 Fans (full redundancy)
- 12 memory DIMMs per CPU (max 768GB) => Total 24 DIMMs (max 1536GB) for two CPU`s as soon as available: max 3072GB per system with two CPU`s
*** SAS Backplanes for 4x, 8x or 12x 3.5" HD LFF or for 8, 16 or 24x 2.5" HD SFF or PCIe SFF backplanes with cable connection to on-board, modular RAID Controller or PCIe Switch**

*** Drives/Bays**
- 4, 8 or 12 bays 1" for hot plug 3.5" HD (1" high) or 8, 16 or 24 bays for hot plug 2.5" HD
- 1 bay SATA-DVD-RW 0,4" height (option, not for basic unit with 12x 3.5" HD and with 24 x 2,5" HD)
- 1 bay for 5.25" and 1.6" high Backup device, not possible for basic units with 3.5" HD and for basic unit with 24 x 2,5" HD

*** Integrated ServerView Diagnostics Technology (Diagnosis LED`s) for indication of internal failed components**

Systemboard D3289 with:
*** Up to two Xeon DP CPU`s (Socket-R3) with 2 serial QPI links (Quick Path Interconnect) and four memory channels per CPU**
First CPU has to be selected for an orderable basic unit,
*** Chipset Intel® C610 Series (codenamed Wellsburg)**

*** 6 PCI slots low profile:**
- 3x PCIe-3 x16 (2 slots are connected to CPU 2 and are useable with configured 2nd CPU only!)
- 2x PCIe-3 x8 (notched to install x16 cards, 1 slot is connected to CPU 2)
- 1x PCIe-3 x8 (may be used for modular RAID controller)
8 PCI slots are possible with PCIe riser card options (4x full height, please see Section VII)

*** 24 memory slots (each CPU 12 slots) DDR4 are available**
- Memory is divided into 12 DIMMs per CPU (4 channels with 3 slots per channel)
First Memory (one module) has to be selected for an orderable basic unit per CPU

*** Dynamic LOM**
Quad Port 1Gb/10Gb Emulex Controller XE104 (Skyhawk) on motherboard
up to Quad Port 1Gb or
Dual Port 10Gb NIC plus full CNA functionality with iSCSI-, FCoE- RDMA and UMC support
connectors (external interfaces) are added by different variants of DynamicLoM interface modules
The Service LAN-port can be switched alternatively to a standard LAN (port 1)

*** iRMC S4 (integrated Remote Management Controller) on-board server management controller with dedicated 10/100/1000 Service LAN-port and integrated graphics controller.**

*** Graphics Controller integrated in iRMC S4 (integrated Remote Management Controller):**
1600x1200x16bpp 60Hz, 1280x1024x16bpp 60Hz, 1024x768x32bpp 75Hz, 800x600x32bpp 85Hz, 640x480x32bpp 85Hz
(1280x1024x24bpp 60Hz only possible if local monitor or remote video redirection is off)

Interfaces at the rear:
* 1x RS-232-C (serial, 9 pins) (usable for BMC or OS or shared) **optional**
* 1x VGA (15 pins)
* 2x USB **3.0** (UHCI) with **5 GBit/s,** no USB wakeup
* 2x USB **2.0** (UHCI) with **480MBit/s,** no USB wakeup
* 2x or 4x LAN 1Gb RJ45 or 2x LAN 10 Gb SFP+ or RJ45, 1x Service-LAN RJ45

Interfaces on the front:
* 2x USB **3.0** (UHCI) with **5 GBit/s,** no USB wakeup (only 1x USB 2.0 for basic unit with 12x 3.5" HD and with 24 x 2,5" HD)
* 1x VGA (15 pins) as an option (not for basic unit with 12x 3.5" HD and with 24 x 2,5" HD)

Interfaces internal:
* 1 port for UFM Module
* 1 port for backup device USB3.0 (USB 3.0 Type A Connector)
* 1x SATA 3Gbit interface for ODD
* 1x SATA 3GBit for DOM
* 8x SATA 3Gbit interface for 8 SATA HD

Software:
*** ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates**
*** Documentation engl. (multilingual on CD)**

A

A

Cables included in basic unit

Connections	Cable	PRIMERGY RX2540 M2
1. SATA ODD		
2. SAS cables to HDDs		
3. 1x cable for SAS signaling		

SAS
SATA

Note: Rack Mounting kit and Power Cord for RX2540 M2 is not included in the basic unit and has to be configured separately

Rack version for 19" racks with No PSU included in Base Unit	
Basic unit is without CPU and Memory For an orderable basic unit one CPU = first CPU and one memory = first memory has to be selected	
Basic unit with	
3.5" HDD bays expandable	**S26361-K1566-V101**
12x 3.5" HDD bays	**S26361-K1566-V112**
Basic unit with	
2.5" HDD bays expandable	**S26361-K1566-V401**
24x 2.5" HDD bays	**S26361-K1566-V424**

as soon as available

S26113-F575-E13
450W PSU module platinum
1st or 2nd PSU for redundancy
94% efficiency (platinum)
uses hot plug PSU slot
min. 1 / max. 2x per system

S26113-F574-E13
800W PSU module platinum
1st or 2nd PSU for redundancy
94% efficiency (platinum)
uses hot plug PSU slot
min. 1 / max. 2x per system

S26113-F616-E10
1200W PSU module platinum
1st or 2nd PSU for redundancy
94% efficiency (platinum)
110V range: 1000W, <110V:900W
uses hot plug PSU slot
min. 1 / max. 2x per system

S26113-F615-E10
800W PSU module titanium
1st or 2nd PSU for redundancy
96% efficiency (titanium)
110V range not supported
uses hot plug PSU slot
min. 1 / max. 2x per system

S26113-F624-E10**
800W -48V DC PSU mod. platinum
1st or 2nd PSU for redundancy
94% efficiency (platinum)
48V DC input, special cable**
uses hot plug PSU slot
min. 1 / max. 2x per system

S26113-F574-E99 *
Power Supply Dummy
must be ordered if 1x PSU only
occupies one bay for
hot plug power supply
max. 1x per system

For later redundancy upgrade the following kit is available:	
One 450W power supply module hot plug no power cable included!!!	**S26113-F575-L13**
One 800W power supply module hot plug no power cable included!!!	**S26113-F574-L13**
One 1200W power supply module hot plug no power cable included!!!	**S26113-F616-L10**
One 800W power supply module titanium no power cable included!!!	**S26113-F615-L10**
One 800W 48V DC power supply module platinum no power cable included!!!	**S26113-F624-L10***

***For order completeness only**
Not shown in system architect
Version > V9.2

Please order appropriate power cord additionally:	
Powercord for rack, 4m, grey, IEC320 C13->C14 connector	**T26139-Y1968-L10**
Power Cord USA / Canada, 1.8m, grey	**T26139-Y1742-L10**

as soon as available

****Power cord option for Rack Server, 4m, black (1x per 48V DC PSU)**	
T26139-Y4024-E/L10	Power Cord -48V DC, 4m, black

S26361-F3552-E6
TPM 1.2 Module
Trusted Platform Module on Motherboard
Use according to import restrictions
max. 1x per system

S26361-F3552-E10
TPM 2.0 Module
Trusted Platform Module on Motherboard
Use according to import restrictions
max. 1x per system

S26361-F3552-L23
TPM 1.2 Module add-on kit
for later integration (loose delivery)
Trusted Platform Module on Motherboard
Use according to import restrictions
max. 1x per system

Be aware of import restrictions!
Loose delivery for later
integration possible for customer.

S26361-F3552-L6
TPM 1.2 Module add-on kit
for later integration (loose delivery)
Trusted Platform Module on Motherboard
Use according to import restrictions
max. 1x per system

S26361-F3552-L10
TPM 2.0 Module add-on kit
for later integration (loose delivery)
Trusted Platform Module on Motherboard
Use according to import restrictions
max. 1x per system

B

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-06-30

B
PRIMECENTER Rack

S26361-F2735-E175
Rack Mount Kit F1-C S7 LV
for PCR M1 and 3rd party racks
consisting of
vario carrier **559-914mm**
telescopic drop-in rails 781mm
with quick release lever support
with full extraction
with CMA adapter
1x per system

S26361-F2735-E111
No Rackmount-Kit option
Only for loose deliveries
No mounting in racks possible
max. 1x per system

C

Further information for
rack mounting is available
within the
Corporate Partner Portal

All "L" no's for loose delivery

S26361-F2735-L10
Adapter angle PC/DC-Rack, till 15Kg
necessary for mounting RMKs in
asymmetrical PC racks

S26361-F4530-E11
Bracket 1U in asymmetrical racks

S26361-F4530-E10
Mounting of RMK in symmetrical racks
(no support brackets needed)

S26361-F2735-E71
Lateral cable management
for 2U servers or higher
- for asymmetrical racks
PRIMECENTER S2 or M1
- 1 bracket PC Rack asym.
1x per system

S26361-F2735-E82
Rack Cable Management Arm CMA 2U
for 2U Server in racks
- for symmetrical racks
M1 or 3rd party racks
Fujitsu racks
1x per system

S26361-F2735-L175
RMK-F1_DI_CMA_QRL_LV
for PCR M1 and 3rd party racks
with CMA adapter

S26361-F2735-L176
RMK-F1_DI_QRL_LV
best choice for 3rd party racks
w/o CMA adapter

S26361-F2735-L7
Lateral cable management (optionally)
can only be mounted
in asymmetrical PRIMECENTER
S2 or new M1 racks in 1U above RMK

S26361-F2735-L82
Rack Cable Management Arm CMA 2U
for 2U Server in racks.

S26361-F2201-L20
Cable arm 2U PCR M1 S and 3rd p.-racks
for L176, has to be mounted above RMK

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

To be ordered only together with
a PRIMECENTER rack
PCR S2 e.g. S26361-K826-V10x
new PCR M1 e.g. S26361-K827-Vxxx
refer PCR S2 or M1 rack configurator
max. 1x per System

C

"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.

PRIMERGY Classic 19" rack is not supported

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-06-30

C

Section II Processor

There are 2 processor sockets available.
The first socket must always be equipped with the **first CPU** which can be selected via configurator
Two processors with different clock frequencies are not possible

Max. two CPU`s can be selected per basic unit	
One of following CPU´s can be selected once (only as first CPU) for an orderable basic unit	
Optional second CPU has to be the same type like the first CPU	
Xeon E5-2600v4 (R) Basic - 1x 64-bit Intel Xeon (15MB Smart Cache) 1866 MHz DDR4 Bus; 6.4 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2603v4 6C/6T 1.70GHz 15MB 6.4GT/s 1866MHz 85W	**S26361-F3933-E103**
Xeon E5-2609v4 8C/8T 1.70GHz 20MB 6.4GT/s 1866MHz 85W	**S26361-F3933-E109**
Xeon E5-2600v4 (R) Standard - 1x 64-bit Intel Xeon (15/20MB Smart Cache); Hyper-Threading (HT); 2133 MHz DDR4 Bus; 8.0 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2620v4 8C/16T 2.10GHz 20MB 8.0GT/s 2133MHz 85W	**S26361-F3933-E120**
Xeon E5-2630v4 10C/20T 2.20GHz 25MB 8.0GT/s 2133MHz 85W	**S26361-F3933-E130**
Xeon E5-2640v4 10C/20T 2.40GHz 25MB 8.0GT/s 2133MHz 90W	**S26361-F3933-E140**
Xeon E5-2600v4 (R) Advanced - 1x 64-bit Intel Xeon (25/30MB Smart Cache); Hyper-Threading (HT); 2400 MHz DDR4 Bus; 9.6 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2650v4 12C/24T 2.20GHz 30MB 9.6GT/s 2400MHz 105W	**S26361-F3933-E150**
Xeon E5-2660v4 14C/28T 2.00GHz 35MB 9.6GT/s 2400MHz 105W	**S26361-F3933-E160**
Xeon E5-2680v4 14C/28T 2.40GHz 35MB 9.6GT/s 2400MHz 120W	**S26361-F3933-E180**
Xeon E5-2690v4 14C/28T 2.60GHz 35MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E190**
Xeon E5-2600v4 (R) Frequency Optimized - 1x 64-bit Intel Xeon (10-20MB Smart Cache); Hyper-Threading (HT); 2400 MHz DDR4 Bus; 8.0 & 9.6 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2623v4 4C/8T 2.60GHz 10MB 8.0GT/s 2133MHz 85W	**S26361-F3933-E123**
Xeon E5-2637v4 4C/8T 3.50GHz 15MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E137**
Xeon E5-2643v4 6C/12T 3.40GHz 20MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E143**
Xeon E5-2667v4 8C/16T 3.20GHz 25MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E167**
Xeon E5-2600v4 (R) High Core Count - 1x 64-bit Intel Xeon (35-40MB Smart Cache); Hyper-Threading (HT); 2400 MHz DDR4 Bus; 9.6 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2683v4 16C/32T 2.10GHz 40MB 9.6GT/s 2400MHz 120W	**S26361-F3933-E183**
Xeon E5-2695v4 18C/36T 2.10GHz 45MB 9.6GT/s 2400MHz 120W	**S26361-F3933-E195**
Xeon E5-2697v4 18C/36T 2.30GHz 45MB 9.6GT/s 2400MHz 145W	**S26361-F3933-E197**
Xeon E5-2697Av4 16C/32T 2.60GHz 40MB 9.6GT/s 2400MHz 145W	**S26361-F3933-E191**
Xeon E5-2698v4 20C/40T 2.20GHz 50MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E198**
Xeon E5-2699v4 22C/44T 2.20GHz 55MB 9.6GT/s 2400MHz 145W	**S26361-F3933-E199**
Xeon E5-2699Av4 22C/44T 2.40GHz 55MB 9.6GT/s 2400MHz 145W	**S26361-F3933-E192**
Xeon E5-2600v4 (R) Low Power - 1x 64-bit Intel Xeon (20/30MB Smart Cache); Hyper-Threading (HT); 2133/2400 MHz DDR4 Bus; 8.0/9.6 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2630Lv4 10C/20T 1.80GHz 25MB 8.0GT/s 2133MHz 55W	**S26361-F3933-E131**
Xeon E5-2650Lv4 14C/28T 1.70GHz 35MB 9.6GT/s 2400MHz 65W	**S26361-F3933-E151**

Max. DDR4 Bus Speed depends on:
- max. DDR4 Bus Speed from the CPU and
- max. DDR4 Memory Speed and
- max. memory modules on one memory channel

S26361-F3849-E100	
Cooling Kit 2nd CPU	

C1

C2

C1

C2

One of following CPU´s has to be selected as second CPU	
Optional second CPU has to be the same type like the first CPU	
Xeon E5-2600v4 (R) Basic - 1x 64-bit Intel Xeon (15MB Smart Cache) 1866 MHz DDR4 Bus; 6.4 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2603v4 6C/6T 1.70GHz 15MB 6.4GT/s 1866MHz 85W	**S26361-F3933-E103**
Xeon E5-2609v4 8C/8T 1.70GHz 20MB 6.4GT/s 1866MHz 85W	**S26361-F3933-E109**
Xeon E5-2600v4 (R) Standard - 1x 64-bit Intel Xeon (15/20MB Smart Cache); Hyper-Threading (HT); 2133 MHz DDR4 Bus; 8.0 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2620v4 8C/16T 2.10GHz 20MB 8.0GT/s 2133MHz 85W	**S26361-F3933-E120**
Xeon E5-2630v4 10C/20T 2.20GHz 25MB 8.0GT/s 2133MHz 85W	**S26361-F3933-E130**
Xeon E5-2640v4 10C/20T 2.40GHz 25MB 8.0GT/s 2133MHz 90W	**S26361-F3933-E140**
Xeon E5-2600v4 (R) Advanced - 1x 64-bit Intel Xeon (25/30MB Smart Cache); Hyper-Threading (HT); 2400 MHz DDR4 Bus; 9.6 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2650v4 12C/24T 2.20GHz 30MB 9.6GT/s 2400MHz 105W	**S26361-F3933-E150**
Xeon E5-2660v4 14C/28T 2.00GHz 35MB 9.6GT/s 2400MHz 105W	**S26361-F3933-E160**
Xeon E5-2680v4 14C/28T 2.40GHz 35MB 9.6GT/s 2400MHz 120W	**S26361-F3933-E180**
Xeon E5-2690v4 14C/28T 2.60GHz 35MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E190**
Xeon E5-2600v4 (R) Frequency Optimized - 1x 64-bit Intel Xeon (10-20MB Smart Cache); Hyper-Threading (HT); 2400 MHz DDR4 Bus; 8.0 & 9.6 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2623v4 4C/8T 2.60GHz 10MB 8.0GT/s 2133MHz 85W	**S26361-F3933-E123**
Xeon E5-2637v4 4C/8T 3.50GHz 15MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E137**
Xeon E5-2643v4 6C/12T 3.40GHz 20MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E143**
Xeon E5-2667v4 8C/16T 3.20GHz 25MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E167**
Xeon E5-2600v4 (R) High Core Count - 1x 64-bit Intel Xeon (35-40MB Smart Cache); Hyper-Threading (HT); 2400 MHz DDR4 Bus; 9.6 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2683v4 16C/32T 2.10GHz 40MB 9.6GT/s 2400MHz 120W	**S26361-F3933-E183**
Xeon E5-2695v4 18C/36T 2.10GHz 45MB 9.6GT/s 2400MHz 120W	**S26361-F3933-E195**
Xeon E5-2697v4 18C/36T 2.30GHz 45MB 9.6GT/s 2400MHz 145W	**S26361-F3933-E197**
Xeon E5-2697Av4 16C/32T 2.60GHz 40MB 9.6GT/s 2400MHz 145W	**S26361-F3933-E191**
Xeon E5-2698v4 20C/40T 2.20GHz 50MB 9.6GT/s 2400MHz 135W	**S26361-F3933-E198**
Xeon E5-2699v4 22C/44T 2.20GHz 55MB 9.6GT/s 2400MHz 145W	**S26361-F3933-E199**
Xeon E5-2699Av4 22C/44T 2.40GHz 55MB 9.6GT/s 2400MHz 145W	**S26361-F3933-E192**
Xeon E5-2600v4 (R) Low Power - 1x 64-bit Intel Xeon (20/30MB Smart Cache); Hyper-Threading (HT); 2133/2400 MHz DDR4 Bus; 8.0/9.6 GT/s QPI Bus occupies socket for one CPU	
Xeon E5-2630Lv4 10C/20T 1.80GHz 25MB 8.0GT/s 2133MHz 55W	**S26361-F3933-E131**
Xeon E5-2650Lv4 14C/28T 1.70GHz 35MB 9.6GT/s 2400MHz 65W	**S26361-F3933-E151**

Separate orderable CPU upgrade kits	
S26361-F3933-L403	**Xeon E5-2603v4 6C/6T 1.70GHz 15MB 6.4GT/s 1866MHz 85W**
S26361-F3933-L409	**Xeon E5-2609v4 8C/8T 1.70GHz 20MB 6.4GT/s 1866MHz 85W**
S26361-F3933-L420	**Xeon E5-2620v4 8C/16T 2.10GHz 20MB 8.0GT/s 2133MHz 85W**
S26361-F3933-L423	**Xeon E5-2623v4 4C/8T 2.60GHz 10MB 8.0GT/s 2133MHz 105W**
S26361-F3933-L430	**Xeon E5-2630v4 10C/20T 2.20GHz 25MB 8.0GT/s 2133MHz 85W**
S26361-F3933-L431	**Xeon E5-2630Lv4 10C/20T 1.80GHz 25MB 8.0GT/s 2133MHz 55W**
S26361-F3933-L437	**Xeon E5-2637v4 4C/8T 3.50GHz 15MB 9.6GT/s 2400MHz 135W**
S26361-F3933-L440	**Xeon E5-2640v4 10C/20T 2.40GHz 25MB 8.0GT/s 2133MHz 90W**
S26361-F3933-L443	**Xeon E5-2643v4 6C/12T 3.40GHz 20MB 9.6GT/s 2400MHz 135W**
S26361-F3933-L450	**Xeon E5-2650v4 12C/24T 2.20GHz 30MB 9.6GT/s 2400MHz 105W**
S26361-F3933-L451	**Xeon E5-2650Lv4 14C/28T 1.70GHz 35MB 9.6GT/s 2400MHz 65W**
S26361-F3933-L460	**Xeon E5-2660v4 14C/28T 2.00GHz 35MB 9.6GT/s 2400MHz 105W**
S26361-F3933-L467	**Xeon E5-2667v4 8C/16T 3.20GHz 25MB 9.6GT/s 2400MHz 135W**
S26361-F3933-L480	**Xeon E5-2680v4 14C/28T 2.40GHz 35MB 9.6GT/s 2400MHz 120W**
S26361-F3933-L483	**Xeon E5-2683v4 16C/32T 2.10GHz 40MB 9.6GT/s 2400MHz 120W**
S26361-F3933-L490	**Xeon E5-2690v4 14C/28T 2.60GHz 35MB 9.6GT/s 2400MHz 135W**
S26361-F3933-L491	**Xeon E5-2697Av4 16C/32T 2.60GHz 40MB 9.6GT/s 2400MHz 145W**
S26361-F3933-L492	**Xeon E5-2699Av4 22C/44T 2.40GHz 55MB 9.6GT/s 2400MHz 145W**
S26361-F3933-L495	**Xeon E5-2695v4 18C/36T 2.10GHz 45MB 9.6GT/s 2400MHz 120W**
S26361-F3933-L497	**Xeon E5-2697v4 18C/36T 2.30GHz 45MB 9.6GT/s 2400MHz 145W**
S26361-F3933-L498	**Xeon E5-2698v4 20C/40T 2.20GHz 50MB 9.6GT/s 2400MHz 135W**
S26361-F3933-L499	**Xeon E5-2699v4 22C/44T 2.20GHz 55MB 9.6GT/s 2400MHz 145W**

D

D

Section III Memory

- There are 12 memory slots per CPU for max.
768GB LRDIMM (12x 64GB 4R)
384GB RDIMM (12x 32GB 2R)
=> max. 1.536GB for two CPUs (768GB per CPU), using LRDIMM
=> max. 3.072GB for two CPUs, using upcoming 8Rx4 LRDIMM technology with 128GB per module
- The memory area is divided into 4 channels per CPU with 3 slots per channel
- Slot 1 of each channel belongs to memory bank 1, the slot 2 belongs to memory bank 2, slot 3 belongs to memory bank 3

Registered and Load Reduced DIMMs can be selected
No mix of registered and load reduced modules is allowed.
Memory will be operated at 1.2V.
Depending on the CPU following memory speeds will be reached:
In a single DIMM per channel configuration 2400MHz will be supported
This is also valid for a dual LRDIMM configurations (2400MHz)
In a dual RDIMM configuration 2400MHz will be supported
All 3DPC configurations support 1866MHz
SDDC (Chipkill) is supported for registered and load redueced x4 organized memory modules

1.) In the "Independent Channel Mode" the following configuration is possible
Channels can be populated in any order in Independent Channel Mode. All four channels may be populated in any order and have no matching requirements. All channels must run at the same interface frequency but individual channels may run at different DIMM timings (RAS latency, CAS latency, and so forth)
No mix of registered and load reduced modules is allowed.

2.) "Rank Sparing Mode" configuration
Within a memory channel, one rank is a spare of the other ranks.
The Spare Rank is held in reserve and is not available as system memory
For the effective memory capacity, please refer to the spreadsheet below.
The BIOS is set to the rank sparing setting.
Minimum configuration is: 2x 1R, 2x 2R or 1x4R DDR4 module per channel

3.) "Performance Mode" configuration
In this configuration, the memory module population ex factory is spread across all channels.
The BIOS is set to the maximum performance for memory.
Minimum configuration is four identical modules per CPU

4.) "Mirrored Channel Mode" configuration
Each memory bank can optionally be equipped with four registered or load reduced DDR4 modules
In each memory bank channel A and B / C and D of CPU 1 or channel E and F / G and H of CPU 2 have to be equipped with identical modules for mirrored channel mode.
In channel B / D is always the mirrored memory of channel A / B of CPU 1
In channel F / H is always the mirrored memory of channel E / G of CPU 2
Minimum configuration is four identical modules per CPU

E

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E

1x per CPU

S26361-F3694-E10 Independent Mode
Independent Channel Mode allows all channels to be populated in any order. No specific Memory RAS features are defined
Requires min 1 memory Module per CPU

S26361-F3694-E1 Rank Sparing Mode Installation
BIOS Setup factory preinstalled to this mode. One Rank is spare of other ranks on the same channel. Spare Rank is not shown in System Memory.
For effective capacity within a channel, please have a look below.
Requires min 2x 1R/2R or 1x 4R modules per CPU

S26361-F3694-E2 Performance Mode Installation
BIOS Setup factory preinstalled for maximum Performance, Four identical memory modules
will be equipped in one memory bank to achieve highest memory performance. All four modules are active and full capacity can be used.
Multiple of 4 identical modules to be configured per CPU

S26361-F3694-E3 Mirrored Channel Mode Installation
BIOS Setup factory preinstalled to this mode. Four identical memory modules are always equipped in one memory bank to use the
Mirrored channel Mode. Only two modules contain active data, the remain two modules contain mirrored data
Multiple of 4 identical modules to be configured per CPU

Effective Memory capacity / Rank Sparing Mode, 1 Channel populated

	RDIMM				LRDIMM	
	8GB 1R	16GB 2R	32GB 2R	64GB 4R	64GB 4R	128GB 8R
1DPC				48GB	48GB	112GB
2DPC	8GB	24GB	48GB	112GB	112GB	240GB
3DPC	16GB	40GB	80GB	176GB	176GB	368GB

Minimum one memory module or order code per CPU = first memory

Note 1)
Max. DDR4 memory speed depends on the memory configuration
(No of mem modules per channel) as well as on the CPU type.
The memory channel with the lowest speed defines the speed
of all CPU channels in the system, also for the channels of the
second CPU if configured.
For real memory speed (depending on memory type / population),
please check the spreadsheet "Memory speed" below

Note 2)
Mix of memory modules is only possible within the same group

12x per CPU, max. 3 modules per channel

Registered Memory (RDIMM) with SDDC (chipkill) support		
- one DDR4 registered ECC memory Module, 1.2V		
Choose up to 12 order codes per CPU		
8GB (1x8GB) 1Rx4 DDR4-2400 R ECC	S26361-F3934-E511	
16GB (1x16GB) 2Rx4 DDR4-2400 R ECC	S26361-F3934-E512	
32GB (1x32GB) 2Rx4 DDR4-2400 R ECC	S26361-F3934-E515	
Registered Memory (RDIMM 3DS) with SDDC (chipkill) support		
- one DDR4 registered 3DS ECC memory Module, 1.2V		
Choose up to 12 order codes per CPU		
64GB (1x64GB) 4Rx4 DDR4-2400 3DS ECC	S26361-F3934-E517	available from Q4/2017
Registered Memory (RDIMM) without SDDC (chipkill) support		
- one DDR4 registered ECC memory Module, 1.2V		
Choose up to 12 order codes per CPU		
8GB (1x8GB) 2Rx8 DDR4-2400 R ECC	S26361-F3934-E514	on special release only
16GB (1x16GB) 2Rx8 DDR4-2400 R ECC	S26361-F3934-E513	
Load Reduced Memory (LRDIMM) with SDDC (chipkill) support		
- one DDR4 load reduced ECC memory Module, 1.2V		
Choose up to 12 order codes per CPU		
32GB (1x32GB) 4Rx4 DDR4-2400 LR ECC	S26361-F3935-E515	
64GB (1x64GB) 4Rx4 DDR4-2400 LR ECC	S26361-F3935-E516	
128GB (1x128GB) 8Rx4 DDR4-2400 LR ECC	S26361-F3935-E517	late availability expected

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Memory Configuration PRIMERGY RX2540 M2

Each CPU offers 12 **Slots** for DDR4 Memory Modules organised in **3 Banks and 4 Channels.**
If you need more than 12 Slots you have to configure the 2nd CPU.
Depending on the amount of memory configured you can decide between 4 basic modes of operation (see explanation below).

There are 2 different kinds of DDR4 Memory Modules available: RDIMM and LRDIMM
Mix of RDIMM and LRDIMM is not allowed.

Mode	Configuration	RDIMM	RDIMM / LRDIMM	Application
		x8	x4	
SDDC (chipkill) support	any	no	yes	detect multi-bit errors
Independant Channel Mode	1, 2 or 3 Modules per Bank	yes	yes	offers max. flexibility, upgradeability, capacity
Mirrored Channel Mode *)	4 identical Modules / Bank	no	yes	offers maximum security
Performance Mode	4 identical Modules / Bank	yes	yes	offers maximum performance and capacity
Rank Sparing Mode *)	min. 2 Ranks / Channel	no	yes	balances security and capacity

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

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

Memory-Speed:
Max. DDR4 memory speed depends on the memory configuration on one memory channel and the speed of the CPU
The memory channel with the lowest speed defines the speed of all CPU channels in the system

Mem. Speed provided by CPU	RDIMM 2400MHz			LRDIMM 2400MHz		
	1 DPC	2 DPC	3 DPC	1 DPC	2 DPC	3 DPC
CPU with 2400MHz DDR4 Bus	2400	2400	1866	2400	2400	2133
CPU with 2133MHz DDR4 Bus	2133	2133	1866	2133	2133	2133
CPU with 1866MHz DDR4 Bus	1866	1866	1866	1866	1866	1866

1R - Single Rank
2R - Dual Rank
4R - Quad Rank
8R - Eight Rank

1DPC = 1 DIMM per Channel
2DPC = 2 DIMM per Channel
3DPC = 3 DIMM per Channel

Configuration hints:

- The memory sockets on the systemboard offer a color coding:
  Bank I black sockets
  Bank II blue sockets
  Bank III green sockets

- A so called Bank consits of 1 memory module on every Channel available on one CPU (examples see below)
  Bank I on CPU 1/2 up to 4 memory modules connected to Channel A - H on the 1st/2nd CPU
  Bank II on CPU 1/2 up to 4 memory modules connected to Channel A - H on the 1st/2nd CPU
  Bank III on CPU 1/2 up to 4 memory modules connected to Channel A - H on the 1st/2nd CPU
- See below and next page for a detailed descriptions of the memory configuration supported.

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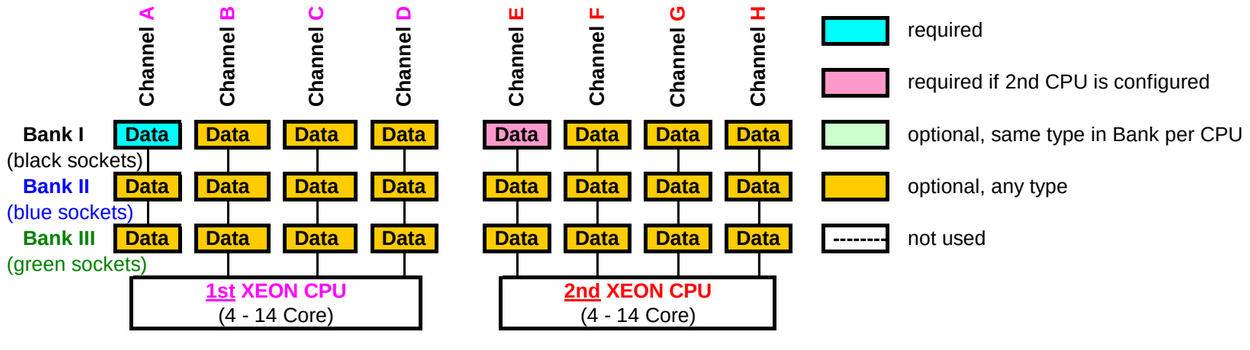
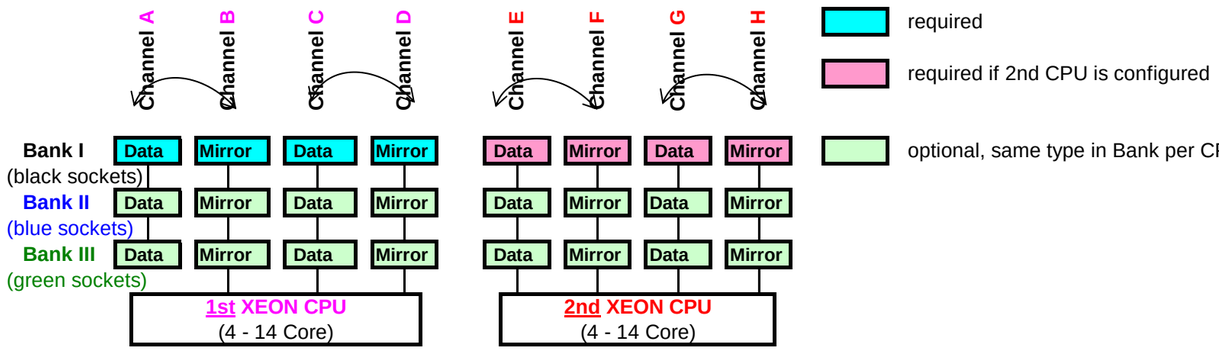
1. Independent Channel Mode



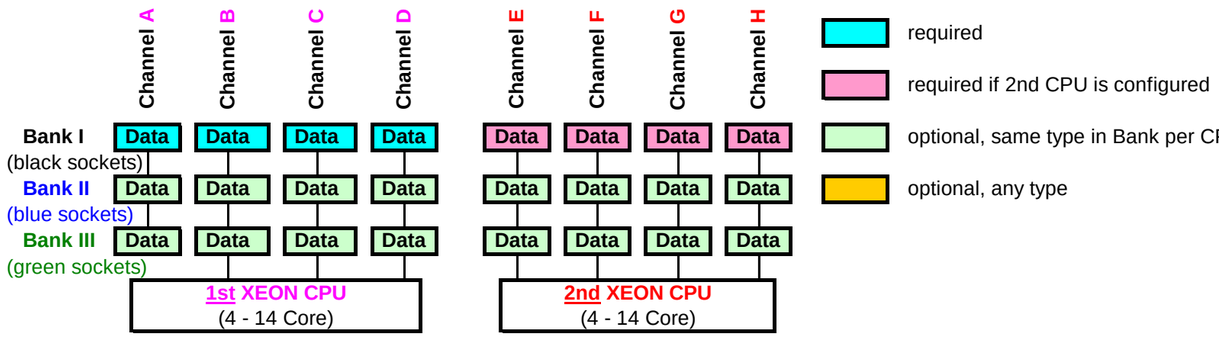
Independent Channel Mode allows all channels to be populated in any order
Can run with differently rated DIMMs and use the settings of the slowest DIMM installed in the system

2. Mirrored Channel Mode



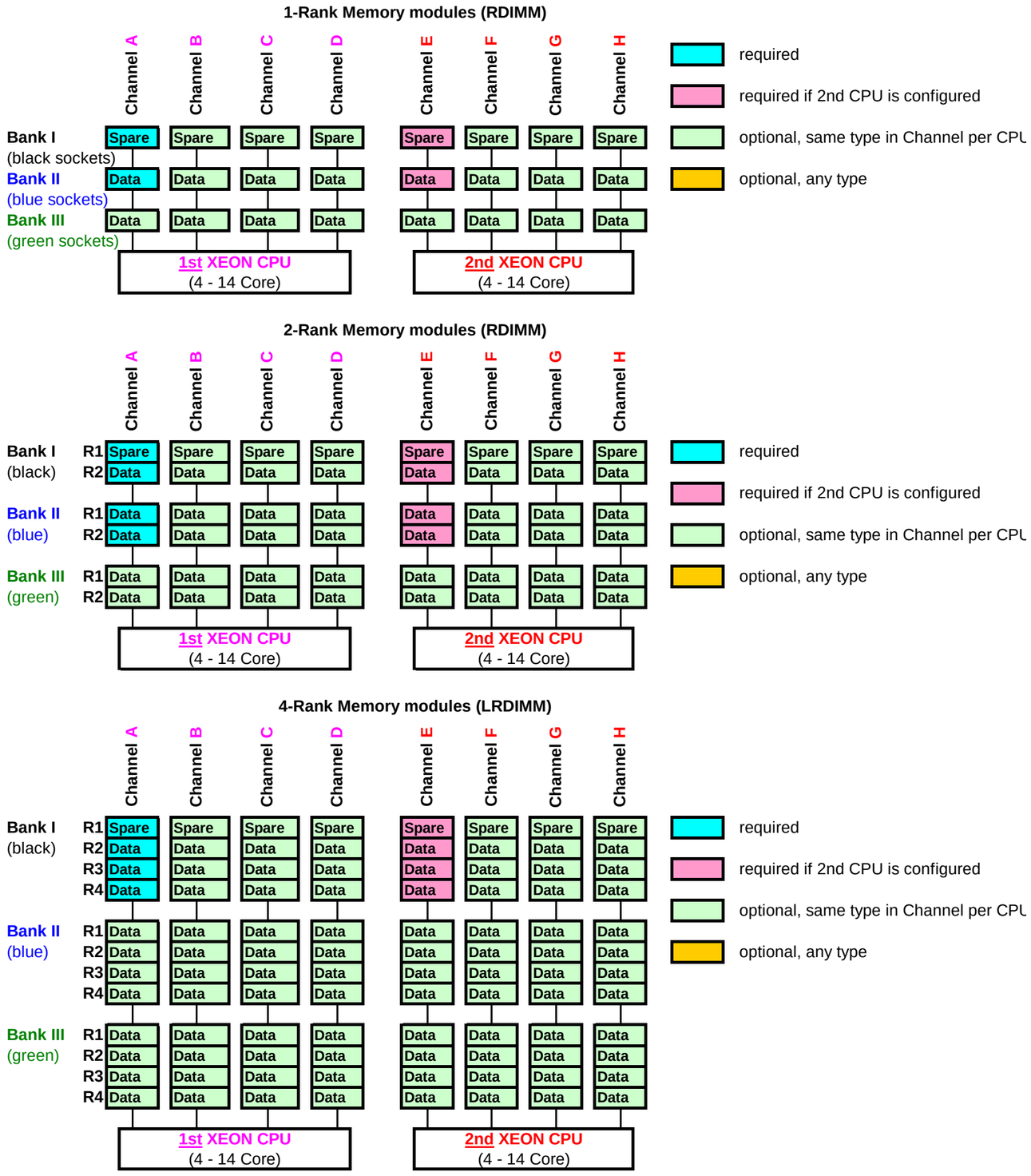
Mirrored Channel Mode requires identical modules on channel A,B, C, D (1st CPU) or channel E, F, G and H (2nd CPU)
50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory
If this mode is used, a multiple of 4 identical modules has to be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

3. Performance Channel Mode



Performance Channel Mode requires identical modules on all channels of each Bank per CPU.
If this mode is used, a multiple of 4 identical modules has to be ordered.

4. Rank Sparing Mode



Rank Sparing Mode requires identical modules (same capacity and technology) within the same channel.

The available memory for applications will vary depending on configuration. Please refer to the spreadsheet above "Effective Memory capacity with active Rank Sparing Mode". Population rule for Rank sparing mode is to achieve max. available memory, e.g. 6 DIMMs will be spread across two channels, each with 3DPC

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Section IV -- Graphics & GPGPU & Co-Processors

Graphics Controller integrated in iRMC S4 (integrated Remote Management Controller) with following resolutions:
1920x1200x16bpp, 1920x1080x16bpp, 1600x1200x16bpp, 1680x1050x16bpp, 1440x900x16bpp, 1152x864x16bpp,
1280x1024x32bpp, 1024x768x32bpp, 800x600x32bpp, 640x480x32bpp

Opt. Front VGA
Please refer to Sys.Manag. XII

Optional Front VGA
only possible for
onboard graphics

NVIDIA Quadro M4000 GPU
NVIDIA Tesla P100 for PCIe

S26361-F3846-L19 GFX/GPU cable kit
Cable Kit to install one GFX/GPU card ex works
includes different power cables for GridK1/K2, M4000 or M10

1x

S26361-F3846-E11
S26361-F3846-L11
PY GRID K1/K2 Mounting Kit right
max. 1x per system required

S26361-F3846-E13
S26361-F3846-L13
PY M60 Mounting Kit right
max. 1x per system required

S26361-F3846-E12
S26361-F3846-L12
PY GRID K1/K2 Mounting Kit left
max. 1x per system required, needs 2nd CPU

S26361-F3846-E14
S26361-F3846-L14
PY M60 Mounting Kit left
max. 1x per system required, needs 2nd CPU

2x

S26361-F2222-E490
S26361-F2222-L490
PGRA CP Quadro M4000
NVIDIA Quadro M40000 Card with 1664 graphic cores & 8GB GDDR5 RAM. PCIe Gen3
power cables from PSU need to be ordered separately. 800W PSU is recommended
PCIe *16 (Gen3) - single width - occupies space for one PCIe slots, Full height bracket
max. 2x per system

as soon as available

S26361-F4025-E116
S26361-F4025-L116
PY NVIDIA Tesla P100 for PCIe
NVIDIA Tesla P100 Card with 3584 graphic cores & 16GB graphic memory. PCIe Gen3
power cables from PSU need to be ordered separately. 800W PSU is recommended
PCIe *16 (Gen3) - single width - occupies space for one PCIe slots, Full height bracket
max. 2x per system

as soon as available

S26361-F4025-E112
S26361-F4025-L112
PY NVIDIA Tesla P100 for PCIe
NVIDIA Tesla P100 Card with 3584 graphic cores & 12GB graphic memory. PCIe Gen3
power cables from PSU need to be ordered separately. 800W PSU is recommended
PCIe *16 (Gen3) - single width - occupies space for one PCIe slots, Full height bracket
max. 2x per system

Supported for GPU pass through and vGPU (shared GPU) under Citrix XenServer 6.5 and XenDesktop. Workload depends on application. Ideal for virtualized GPU or shared GPU workload like "Power Users" or "Knowlegde Workers", including "Designer" as full power graphic USER (GRID K2 only).
Supported for VMware ESXi 5.5 / 6:0 shared (vSGA) & dedicated (vDGA) virtual graphic support and Microsoft RemoteFX under Windows Server 2012 R2. All guests OSes are supported if listed at OS vendors HCL.
NOT certified for CAD / CAM / CAX type of applications using dedicated GPU.

NVIDIA TESLA M60/M10 GPU pass through / vGPU

S26361-F3846-L19 GFX/GPU cable kit
Cable Kit to install one GFX/GPU card ex works
includes different power cables for GridK1/K2, M4000 or M10

1x

S26361-F3846-E13
S26361-F3846-L13
PY M60 Mounting Kit right
max. 1x per system required

S26361-F3846-E11
S26361-F3846-L11
PY GRID K1/K2 Mounting Kit right
max. 1x per system required

S26361-F3846-E14
S26361-F3846-L14
PY M60 Mounting Kit left
max. 1x per system required, needs 2nd CPU

S26361-F3846-E12
S26361-F3846-L12
PY GRID K1/K2 Mounting Kit left
max. 1x per system required, needs 2nd CPU

2x

S26361-F2222-E964
S26361-F2222-L964
PGRA CP NVIDIA Tesla M60
NVIDIA Tesla M60 Card with 4096 graphic cores & 16GB GDDR5 RAM. PCIe Gen3
power cables from PSU need to be ordered separately. 800W PSU is recommended
PCIe *16 (Gen3) - double width - occupies space for two PCIe slots, Full height bracket
max. 2x per system

as soon as available

S26361-F2222-E910
S26361-F2222-L910
PGRA CP NVIDIA Tesla M10
NVIDIA Tesla M10 Card with 2560 graphic cores & 32GB GDDR5 RAM. PCIe Gen3
power cables from PSU need to be ordered separately. 800W PSU is recommended
PCIe *16 (Gen3) - double width - occupies space for two PCIe slots, Full height bracket
max. 2x per system

For GRID 3.0 to use the virtual graphic (GRID) funtionality, a SW activation key **and** support licence has to be purchased additionally. Please refer to additional licence oferings for Virtual Applications / Virtual PC / Virtual Workstation plus SUMs (Support, Updates & Maintenance subscriptions).
Not released as GPGPU card.

Cards personality is set to graphic card ex factory!

as soon as available

S26361-F4024-E101
GRID Virtual Applications (vApps) Perpetual License, 1 CCU
32x per M60 card
64x per M10 card

as soon as available

S26361-F4024-E201
NVIDIA GRID Virtual PC (vPC) Perpetual License, 1 CCU
32x per M60 card
64x per M10 card

as soon as available

S26361-F4024-E301
NVIDIA GRID Virtual WorkStation (vWS) Perpetual License, 1 CCU
32x per M60 card
64x per M10 card

as soon as available

S26361-F4024-E801
NVIDIA GRID vApps Prod SUMS 1st year, 1CCU
same volume with perpetual license

S26361-F4024-E803
NVIDIA GRID vApps Prod SUMS 3 year, 1CCU
same volume with perpetual license

as soon as available

S26361-F4024-E811
NVIDIA GRID vPC Prod SUMS 1st year, 1 CCU
same volume with perpetual license

S26361-F4024-E813
NVIDIA GRID vPC Prod SUMS 3 year, 1 CCU
same volume with perpetual license

as soon as available

S26361-F4024-E821
NVIDIA GRID vWS Prod SUMS 1st year, 1 CCU
same volume with perpetual license

S26361-F4024-E823
NVIDIA GRID vWS Prod SUMS 3 year, 1 CCU
same volume with perpetual license

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

as soon as available

NVIDIA SUMS License (1year) for renewal - Loose Delivery -

S26361-F4024-L901
NVIDIA GRID vApps Prod SUMS 1yr Renew, 1CCU
NVIDIA SUMS License (1year) for renewal. It needs if you need to continue SUMs after one year.

S26361-F4024-L911
NVIDIA GRID vPC Prod SUMS 1yr Renew, 1 CCU
NVIDIA SUMS License (1year) for renewal. It needs if you need to continue SUMs after one year.

S26361-F4024-L921
NVIDIA GRID vWS Prod SUMS 1yr Renew, 1 CCU
NVIDIA SUMS License (1year) for renewal. It needs if you need to continue SUMs after one year.

G

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G

Section Va Possible configuration options for basic units

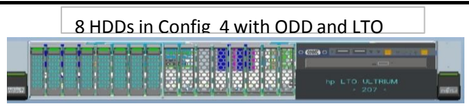
4 HDDs in Config 1 with ultraslim ODD

Config 1, 2 or 3: Up to 4x, 8x or 12x 3.5" HDD (LFF)	
Basic unit S26361-K1566-V101	**expandable**
Config 1: Max. 4x 3.5" HDD	**included**
Available Upgrade kits for this configuration option:	
Upgrade kit to 8x 3.5" HDD	**S26361-F2495-L112**
Config 2: Max. 8x 3.5" HDD	**S26361-F2495-E120**
Available Upgrade kits for this configuration option:	
Upgrade kit to 12x 3.5" HDD	**not possible!**
Basic unit S26361-K1566-V112 with 12x 3.5" HDDs	
Config 3: Up to 12x 3.5" HDD, no ODD	**included**
Available Upgrade kits for this configuration option:	
None	

8 HDDs in Config 2 with ultraslim ODD

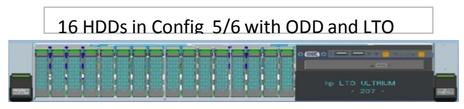
12x HDDs for -V112, no ODD possible

8 HDDs in Config 4 with ODD and LTO



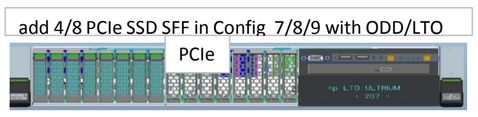
Basic unit S26361-K1566-V401 with	**expandable**
Config. 4: 8x 2.5" HDD bays	**S26361-F2495-E440**
Available Upgrade kits for this configuration option:	
Upgrade kit 4 to 16x 2.5" HDD	**S26361-F2495-L445**
Upgrade kit 4 to 24x 2.5" HDD	**S26361-F2495-L442**
Upgrade kit 4 to +4x PCIe SDD SFF	**S26361-F2495-L448**
Config. 5: 16x 2.5" HDD bays	**S26361-F2495-E450**
Config. 6: 16x 2.5" HDD @ Dual RAID	**S26361-F2495-E452**
Available Upgrade kits for this configuration option:	
Upgrade kit 5 to 24x 2.5" HDD	**S26361-F2495-L452**
Config. 7: 4x PCIe-SSD SFF	**S26361-F2495-E470**
Available Upgrade kits for this configuration option:	
Upgrade kit 7 to +8x 2.5" HDD	**S26361-F2495-L478**
Upgrade kit 7 to +4x 2.5" PCIe-SSD	**on special release**
Config. 8: 8x 2.5" + 4x PCIe-SSD SFF	**S26361-F2495-E480**
Config. 9: 8x PCIe-SSD SFF	**on special release**
Basic unit S26361-K1566-V424 with 24x 2.5" HDDs	
Config 24: Up to 24x 2.5" HDD, no ODD/Backup	**included**
Available Upgrade kits for this configuration option:	
None	
Includes all necessary bezels, cages, backplanes and cables	

16 HDDs in Config 5/6 with ODD and LTO

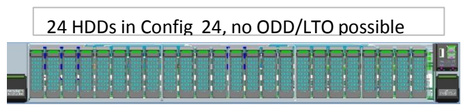


add 4/8 PCIe SSD SFF in Config 7/8/9 with ODD/LTO

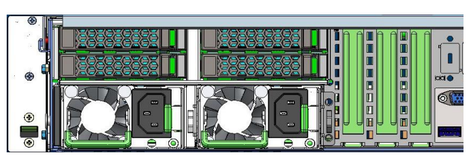
PCIe



24 HDDs in Config 24, no ODD/LTO possible



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



Modular REAR SFF HDD/SSD options are possible for every basic unit, so V1xx as well as V4xx are expandable	
S26361-F3853-E10	**Option REAR SAS/SATA HDD/SSD**
S26361-F3853-E20	**Option REAR PCIe SSD SFF**
Available Upgrade kits for this configuration option:	
S26361-F3853-L10	**Upgrade REAR SAS/SATA HDD/SSD**
S26361-F3853-L20	**Upgrade REAR PCIe SSD SFF**
Provides 4 rear hot-plug bays for SAS/SATA HDD/SSD SFF or PCIe-SSD SFF devices	
Note: Separate SAS-Controller or PCIe switch needed in slot 9 which requires a 2nd CPU!	
Note: Consumes space for PCIe riser 2x x8 left	
max. 1x per system	
Includes all necessary bezels, cages, backplanes and cables	

H

H

Section Vb Accessible drives

Setup RX2540 M1 by ServerStart is supported with following configurations:
no DVD, no CD:
remote installation only (PXE service & DHCP server required)
built in CD/DVD or USB CD/DVD disk drive:
UNC Network share reachable or USB Floppy connected
USB Floppy, no CD/DVD:
USB CD/DVD connected

If installation is done locally, make sure you have external FDD available for driver installation.

Only for basic unit V401 with max 16 HDDs and V101 with max 8 HDD

1x

S26361-F3778-E1
DVD-RW supermulti ultraslim
SATA
8x DVD 24x CD
9.5mm x 5.25", black bezel
max. 1x per system

S26361-F3641-E6
Blu-ray Triple Writer ultraslim SATA
6x BD-RW, 8x DVD, 24x CD
BD DL and all CD/DVD formats
9.5mm x 5.25", black bezel
max. 1x per system

S26361-F3718-E2
DVD-ROM ultraslim SATA
16x DVD 48x CD
9.5mm x 5.25", black bezel
max. 1x per system

Only for basic unit V401

Not possible for basic unit V1xx

RDX Drive is connected to on-board USB3

S26361-F3750-E4
RDX Drive USB3.0 3.5" internal
100MB/s, USB 3.0
Connector: USB 3.0 "B"
with USB cable
without RDX cartridges
1.6 x 3.5", black bezel
max. 1x per system

RDX cartridges must be ordered separately	
RDX Cartridge 320GB	**S26361-F3857-L320**
RDX Cartridge 500GB	**S26361-F3857-L500**
RDX Cartridge 1TB	**S26361-F3857-L600**
RDX Cartridge 2TB	**S26361-F3857-L700**
RDX Cartridge 3TB	**S26361-F3857-L800**

as long as stock last

The drive is also available as optional (loose) delivery S26361-F3750-L4 with USB3.0 cable for adapter card.

H

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H

SAS Controller for internal Backup Drives

S26361-F3842-E20
PSAS CP400i
Based on chip LSISAS3008
SAS 12Gb/sec
int: 8 port
PCIe 3.0 x8
full height or low profile bracket
max. 1x per system

For external SAS Backup drives an additional SAS controller has to be configured

Only for basic unit V401

Not possible for basic unit V1xx

as long as stock last

1x

S26361-F3626-E2	**S26361-F3627-E1**	**S26361-F3787-E1**	**S26361-F5606-E1**
Tape drive LTO4 HH SAS IBM V2	Tape drive LTO5HH Ultrium SAS	Tape drive LTO6HH Ultrium SAS	Tape drive LTO7HH Ultrium SAS
800GB, 120MB/s, SAS 6Gb	1500GB, 140MB/s, SAS 6Gb	2500GB, 160MB/s, SAS 6Gb	6000GB, 250MB/s, SAS 6Gb
Connector: mini-SAS	Connector: mini-SAS	Connector: mini-SAS	Connector: mini-SAS
incl. SAS cable	incl. SAS cable	incl. SAS cable	incl. SAS cable
incl. cleaning cartridge	incl. cleaning cartridge	incl. cleaning cartridge	incl. cleaning cartridge
without data cartridge	without data cartridge	without data cartridge	without data cartridge
1.6 * 5.25"	1.6 * 5.25"	1.6 * 5.25"	1.6 * 5.25"
max. 1x per system	max. 1x per system	max. 1x per system	max. 1x per system

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Section VI Hard disks drives

Modular Raid controller is connected to internal HDDs
For basic unit V112 up to 12 SAS 3.5" hard disks can be configured also in mixed configuration.

The option "Tape drive" is not possible for 3.5" Version (V1xx)
SAS and SATA drives can be mixed, but not used in one logical RAID volume
SAS drives requires SAS Controller
Support of SAS12G requires SAS12G Controller
SAS12G drives are SAS6G compatible
Hard Disk Sector Format Information:
512n HDD: 512 byte sectors on the drive media.
512e (e=emulation) HDD: 4K physical sectors on the drive media with 512 byte logical configuration.
512e HDD Disk Drives: VMware 6.0 or earlier is not supported.
When using SSDs with VMware ESXi, select the SSDs that meet the endurance requirement described in KB2145210 below.
https://kb.vmware.com/kb/2145210
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 (except for SLC) have a built-in Wear-Out indicator. In this case the warranty for such a component, as an exception to the system warranty, is restricted to the time period until the indicator reaches the exhaust level.
DWPD (5y): drive writes per day over 5 years.

4x, 8x or 12x with SAS expander for basic unit V1xx

SATA Disk Drive 3.5" 8/10TB HDDs not released with PSAS CP400i (S26361-F3842-E2)

Please order additionally either/or:

Config 1: Max. 4x 3.5" HDD	V101
Config 2: Up to 8x 3.5" HDD	
Config 3: Up to 12x 3.5" HDD	V112

HDD SATA 6Gb/s 3.5" with hot plug/hot replace tray		
1TB 7200rpm,<9,0ms, 64MB Cache, 512n	S26361-F3950-E100	
2TB 7200rpm, 64MB Cache, 512n	S26361-F3815-E200	
4TB 7200rpm, 64MB Cache, 512n	S26361-F3815-E400	
4TB 7200rpm, 128MB Cache, 512e	S26361-F3904-E400	not released for Japan/APAC
6TB 7200rpm, 128MB Cache, 512e	S26361-F3904-E600	
8TB 7200rpm, 256MB Cache, 512e	S26361-F3904-E800	
10TB 7200rpm, 256MB Cache, 512e	S26361-F3904-E100	
max. 4x, 8x or 12x per System		

SAS Disk Drive 3.5" 8/10TB HDDs not released with PSAS CP400i (S26361-F3842-E2)

HDD SAS 12Gb/s, 2.5" HDD within 3.5" hot plug/hot replace tray	
300GB 15000rpm, 128MB Cache, 512n	S26361-F5532-E530
450GB 15000rpm, 128MB Cache, 512n	S26361-F5532-E545
600GB 15000rpm, 128MB Cache, 512n	S26361-F5532-E560
300GB 10000rpm, 128MB Cache, 512n	S26361-F5568-E130
600GB 10000rpm, 128MB Cache, 512n	S26361-F5568-E160
1.2TB 10000rpm, 128MB Cache, 512n	S26361-F5568-E112
1.8TB 10000rpm, 128MB Cache, 512e	S26361-F5569-E118
HDD SAS 12Gb/s 3.5" with hot plug/hot replace tray	
2TB 7200rpm, 128MB Cache, 512e	S26361-F5571-E200
4TB 7200rpm, 128MB Cache, 512e	S26361-F5571-E400
6TB 7200rpm, 128MB Cache, 512e	S26361-F5571-E600
8TB 7200rpm, 256MB Cache, 512e	S26361-F5571-E800
10TB 7200rpm, 256MB Cache, 512e	S26361-F5571-E100
6TB 7200rpm, 128MB Cache, 512e, SED	S26361-F5584-E600
10TB 7200rpm, 256MB Cache, 512e, SED	S26361-F5624-E100
HDD SAS 6Gb/s 3.5" with hot plug/hot replace tray	
1TB 7200rpm,<9,0ms, 32MB Cache, 512n	S26361-F3820-E100
2TB 7200rpm,<9,0ms, 32MB Cache, 512n	S26361-F3820-E200
4TB 7200rpm,<9,0ms, 32MB Cache, 512n	S26361-F3820-E400
max. 4x, 8x or 12x per System	

Solide State Disk, 3.5"

SSD SATA 6Gb/s, 2.5" SSD within 3.5" hot plug/hot replace tray (H-P)		
120GB, Enterprise (EP), 0.3DWPD (5y)	S26361-F5530-E120	
800GB, Enterprise (EP), 0.3DWPD (5y)	S26361-F5530-E800	
240GB, Enterprise (EP), 1DWPD (5y)	S26361-F5630-E240	
480GB, Enterprise (EP), 1DWPD (5y)	S26361-F5630-E480	
800GB, Enterprise (EP), 1DWPD (5y)	S26361-F5630-E800	
960GB, Enterprise (EP), 1DWPD (5y)	S26361-F5630-E960	
1.2TB, Enterprise (EP), 1DWPD (5y)	S26361-F5630-E120	
1.6TB, Enterprise (EP), 1DWPD (5y)	S26361-F5630-E160	
200GB, Enterprise (EP), 10DWPD (5y)	S26361-F5593-E200	
400GB, Enterprise (EP), 10DWPD (5y)	S26361-F5593-E400	
800GB, Enterprise (EP), 10DWPD (5y)	S26361-F5593-E800	
1.2TB, Enterprise (EP), 10DWPD (5y)	S26361-F5593-E120	
240GB, Enterprise (EP), 3DWPD (5y)	S26361-E5589-E240	
480GB, Enterprise (EP), 3DWPD (5y)	S26361-E5589-E480	
960GB, Enterprise (EP), 3DWPD (5y)	S26361-E5589-E960	
1.92TB, Enterprise (EP), 3DWPD (5y)	S26361-E5589-E192	
SSD SAS 12Gb/s, 2.5" SSD within 3.5" hot plug/hot replace tray (H-P)		
400GB, Enterprise (EP), 10DWPD (5y)	S26361-F5320-E400	
800GB, Enterprise (EP), 10DWPD (5y)	S26361-F5320-E800	
400GB, Enterprise (EP), 10DWPD (5y)	S26361-F5607-E400	
800GB, Enterprise (EP), 10DWPD (5y)	S26361-F5607-E800	
1.6TB, Enterprise (EP), 10DWPD (5y)	S26361-F5607-E160	
480GB, Enterprise (EP), 3DWPD (5y)	S26361-F5612-E480	
960GB, Enterprise (EP), 3DWPD (5y)	S26361-F5612-E960	
1.92TB, Enterprise (EP), 3DWPD (5y)	S26361-F5612-E192	
3.84TB, Enterprise (EP), 3DWPD (5y)	S26361-F5612-E384	
400GB, Enterprise (EP), 3DWPD (5y)	S26361-F5662-E400	as soon as available
800GB, Enterprise (EP), 3DWPD (5y)	S26361-F5662-E800	as soon as available
1.6TB, Enterprise (EP), 3DWPD (5y)	S26361-F5662-E160	as soon as available
3.2TB, Enterprise (EP), 2.3DWPD (5y)	S26361-F5662-E320	as soon as available
480GB, Enterprise (EP), 1DWPD (5y)	S26361-F5615-E480	
960GB, Enterprise (EP), 1DWPD (5y)	S26361-F5615-E960	
1.92TB, Enterprise (EP), 1DWPD (5y)	S26361-F5615-E192	
3.84TB, Enterprise (EP), 1DWPD (5y)	S26361-F5615-E384	
480GB, Enterprise (EP), 1DWPD (5y)	S26361-F5668-E480	as soon as available
960GB, Enterprise (EP), 1DWPD (5y)	S26361-F5668-E960	as soon as available
1.92TB, Enterprise (EP), 1DWPD (5y)	S26361-F5668-E192	as soon as available
3.84TB, Enterprise (EP), 1DWPD (5y)	S26361-F5668-E384	as soon as available
max. 4x, 8x or 12x per System		

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Solid State Disk, Boot Drive, SATA DOM (SATADOM Port, AHCI)

SSD SATA 6Gb/s DOM, Boot Device, non "hot plug/hot replace"	
64GB, SATA DOM, 0.14 DWPD (5y)	S26361-F5618-E64
128GB, SATA DOM, 0.13 DWPD (5y)	S26361-F5618-E128
SATADOM is designed for use as a boot drive with the Endurance Spec. above.	
Vmware is not supported.	
max. 1x per system	

1x

Solid State Disk, Boot Drive, SATA DOM SLC (SATADOM Port, AHCI)

SSD SATA 6Gb/s DOM SLC, Boot Device, non "hot plug/hot replace"	
64GB, SATA DOM SLC	S26361-F5620-E64
SATADOM SLC is designed for use as a Virtual SAN boot drive.	
VMware ESXi 6.0 U2 or later is supported.	
max. 1x per system	

Solid State Disk 2.5", SATA 6G Read-Intensive**

SSD SATA 6Gb/s 2.5" with hot plug/hot replace tray (H-P)		
120GB, Enterprise (EP), Read-Intensive** (0.3DWPD/5y)	S26361-F5525-E120	
800GB, Enterprise (EP), Read-Intensive** (0.3DWPD/5y)	S26361-F5525-E800	
max. 8/16/24x per system		

SSD SATA 6Gb/s 2.5" with hot plug/hot replace tray (H-P)		
240GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5632-E240	
480GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5632-E480	
800GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5632-E800	
960GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5632-E960	
1.2TB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5632-E120	
1.6TB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5632-E160	
max. 8/16/24x per system		

Solid State Disk 2.5", SATA 6G Mixed-Use (read/write)

SSD SATA 6Gb/s 2.5" with hot plug/hot replace tray (H-P)	
240GB, Enterprise (EP), 3DWPD (5y)	S26361-F5588-E240
480GB, Enterprise (EP), 3DWPD (5y)	S26361-F5588-E480
960GB, Enterprise (EP), 3DWPD (5y)	S26361-F5588-E960
1.92TB, Enterprise (EP), 3DWPD (5y)	S26361-F5588-E192
max. 8/16/24x per system	

Solid State Disk 2.5", SATA 6G Write-Intense (mainly write)

SSD SATA 6Gb/s 2.5" with hot plug/hot replace tray (H-P)	
200GB, Enterprise (EP), 10DWPD (5y)	S26361-F5592-E200
400GB, Enterprise (EP), 10DWPD (5y)	S26361-F5592-E400
800GB, Enterprise (EP), 10DWPD (5y)	S26361-F5592-E800
1.2TB, Enterprise (EP), 10DWPD (5y)	S26361-F5592-E120
max. 8/16/24x per system	

Solid State Disk 2.5", SAS 12G Read-Intensive

SSD SAS 12Gb/s 2.5" with hot plug/hot replace tray (H-P)		
480GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5617-E480	
960GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5617-E960	
1.92TB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5617-E192	
3.84TB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5617-E384	
480GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5670-E480	as soon as available
960GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5670-E960	as soon as available
1.92TB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5670-E192	as soon as available
3.84TB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5670-E384	as soon as available
max. 8/16/24x per system		

Solid State Disk 2.5", SAS 12G Mixed-Use (read/write)

SSD SAS 12Gb/s 2.5" with hot plug/hot replace tray (H-P)		
480GB, Enterprise (EP), 3DWPD (5y)	S26361-F5614-E480	
960GB, Enterprise (EP), 3DWPD (5y)	S26361-F5614-E960	
1.92TB, Enterprise (EP), 3DWPD (5y)	S26361-F5614-E192	
3.84TB, Enterprise (EP), 3DWPD (5y)	S26361-F5614-E384	
400GB, Enterprise (EP), 3DWPD (5y)	S26361-F5666-E400	as soon as available
800GB, Enterprise (EP), 3DWPD (5y)	S26361-F5666-E800	as soon as available
1.6TB, Enterprise (EP), 3DWPD (5y)	S26361-F5666-E160	as soon as available
3.2TB, Enterprise (EP), 2.3DWPD (5y)	S26361-F5666-E320	as soon as available
max. 8/16/24x per system		

Solid State Disk 2.5", SAS 12G Mainstream (mainly write)

SSD SAS 12Gb/s 2.5" with hot plug/hot replace tray (H-P)	
400GB, Enterprise (EP), 10DWPD (5y)	S26361-F5298-E400
800GB, Enterprise (EP), 10DWPD (5y)	S26361-F5298-E800
400GB, Enterprise (EP), 10DWPD (5y)	S26361-F5608-E400
800GB, Enterprise (EP), 10DWPD (5y)	S26361-F5608-E800
1.6TB, Enterprise (EP), 10DWPD (5y)	S26361-F5608-E160
400GB, Enterprise (EP), 10DWPD (5y), SED	S26361-F5611-E400
800GB, Enterprise (EP), 10DWPD (5y), SED	S26361-F5611-E800
1.6TB, Enterprise (EP), 10DWPD (5y), SED	S26361-F5611-E160
max. 8/16/24x per system	

SAS Disk Drive 2.5"

HDD 512e
512e drives are not supported with VMware 6.0 or earlier

max 8/16/24x for V4xx

HDD SAS 6Gb/s 2.5" with hot plug/hot replace tray	
1TB 7.200rpm,64MB Cache, 512n	S26361-F3817-E100
max. 8/16/24x per system	

HDD SAS 12Gb/s 2.5" with hot plug/hot replace tray	
300GB, 10krpm, 128MB Cache, 512n	S26361-F5550-E130
600GB, 10krpm, 128MB Cache, 512n	S26361-F5550-E160
900GB, 10krpm, 128MB Cache, 512n	S26361-F5550-E190
1.2TB, 10krpm, 128MB Cache, 512n	S26361-F5550-E112
300GB, 10krpm, 128MB Cache, 512n, SED	S26361-F5581-E130
600GB, 10krpm, 128MB Cache, 512n, SED	S26361-F5581-E160
1.2TB, 10krpm, 128MB Cache, 512n, SED	S26361-F5581-E112
600GB, 10krpm, 128MB Cache, 512e	S26361-F5543-E160
900GB, 10krpm, 128MB Cache, 512e	S26361-F5543-E190
1.2TB, 10krpm, 128MB Cache, 512e	S26361-F5543-E112
1.8TB, 10krpm, 128MB Cache, 512e	S26361-F5543-E118
1.8TB, 10krpm, 128MB Cache, 512e, SED	S26361-F5582-E118
300GB 15.000rpm, 128MB Cache, 512n	S26361-F5531-E530
450GB 15.000rpm, 128MB Cache, 512n	S26361-F5531-E545
600GB 15.000rpm, 128MB Cache, 512n	S26361-F5531-E560
1TB 7.200rpm, 128MB Cache, 512n	S26361-F5600-E100
2TB 7.200rpm, 128MB Cache, 512n	S26361-F5600-E200
1TB 7.200rpm, 128MB Cache, 512e	S26361-F5573-E100
2TB 7.200rpm, 128MB Cache, 512e	S26361-F5573-E200
max. 8/16/24x per system	

SATA Disk Drive 2.5"

HDD SATA 6Gb/s 2.5" with hot plug/hot replace tray	
1TB 7.200rpm,<9,5ms, 64MB Cache, 512n	S26361-F3816-E100
2TB 7.200rpm, 128MB Cache, 512n	S26361-F3956-E200
1TB 7.200rpm, 128MB Cache, 512e	S26361-F3907-E100
2TB 7.200rpm, 128MB Cache, 512e	S26361-F3907-E200
max. 8/16/24x per system	

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Section VII Modular Raid 0/1, Raid5 for SAS or SATA HD`s. On-board Controller for max. 8x SATA HD`s

On board SATA Controller (Wellsburg) with 6 Gb/sec can be used
for up to 8x 3.5" or 8x 2.5" SATA HDD configurations without PRAID xP4x0i

For every configuration with SAS hard disks or SSDs one of the following modular RAID-controllers is required

Modular Raid 0/1 controller with IME support for SAS/SATA
This RAID controller supports max. 8 HDDs on internal SAS ports

Modular Raid 5 controller for SAS/SATA
RAID levels 0, 1, 10, 5, 50, 6 and 60 are supported.
This RAID controller supports max. 24 HDDs combined with internal SAS expander

The FBU is an option for the controller which can be used once per controller. If the FBU option has been choosen, the TFM Module is needed once per FBU.

S26361-F3853-E10 Option REAR SAS/SATA HDD/SSD
This option needs a separate (additional) PRAID xP400i or EP420i controller in slot 7 which requires a 2nd CPU!

S26361-F5243-E4/L4**
PRAID EP420i for SafeStore supports HDD Encryption

******S26361-F5243-E206, L506**
PRAID EP440i TFM for SafeStore supports HDD Encryption

**It is strongly recommended to order SafeStore (SED) RAID controller with SED HDD or SSD devices for SafeStore (SED) functionality

**** EP440i: TFM included, FBU optional

2x

S26361-F3842-E1 *)
PRAID CP400i
Based on chip LSISAS3008
no Cache
RAID 0, 1, 1E, 10, 5, 50
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
PCIe 3.0 x8
Low profile ex factory
max. 2x per system

S26361-F5243-E1
PRAID EP400i
Based on chip LSISAS3108
1GB Cache, opt. TFM, FBU
RAID 0, 1, 1E, 10, 5, 50, 6, 60
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
PCIe 3.0 x8
Low profile ex factory
max. 2x per system

S26361-F5243-E2
PRAID EP420i
Based on chip LSISAS3108
2GB Cache, opt. TFM, FBU
RAID 0, 1, 1E, 10, 5, 50, 6, 60
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
PCIe 3.0 x8
Low profile ex factory
max. 2x per system

S26361-F5243-E205(LP)** **-L505 (FH+LP)**
PRAID EP440i TFM
Based on chip LSISAS3108
4GB Cache,incl. TFM, opt. FBU
RAID 0, 1, 1E, 10, 5, 50, 6, 60
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
PCIe 3.0 x8
Low profile ex factory
max. 1x per system

S26361-F5243-E100 for EP400i
TFM Module for FBU option
(flash and FBU control logic)
max. 1x per Controller

S26361-F5243-E20 for EP420i/440i
TFM Module for FBU option
(flash and FBU control logic)
max. 1x per Controller

Loose delivery FBU option

S26361-F5243-L100 / L200
TFM Module for FBU option
(flash and FBU control logic)
max. 1x per Controller

Note:
Only 2 FBU per system!

S26361-F5243-E125
FBU Option for PRAID EP4xx
with 25cm cable set
max. 1x per Controller

S26361-F5243-L110
Flash Backup Unit
with 25cm, 55cm, 70cm cable set
max. 1x per Controller

The FBU is an option for the controller which can be used once per controller. If the FBU option has been choosen, the TFM Module is needed once per FBU.

Advanced Software Option

S26361-F5243-E670
RAID Advanced SW Option
CacheCade License Activation Key
for CacheCade 2.0
for 1 Controller

always use -E100 for -E1, E200 for -E2

S26361-F5243-L670
RAID Advanced SW Option
CacheCade License Activation Key
for CacheCade 2.0
for 1 Controller

RAID Advanced Software test licence available: PRIMERGY-PM

FastPath is free of charge

*) In V112: only together with S26361-F3853-E10 (Option REAR 2.5" SAS/SATA HDD/SSD)

! The SAS 3.0 cable kit is only required for later upgrades and just if the onboard SATA 6G RAID Controller (which has a SAS2.0 connector) was originally selected.
! Orders ex factory always come with the right cable

S26361-F3120-L100
SAS3.0 cable upgrade kit for RX2540 2.5"
This kit contains the following cables for RX2540 2.5":
T26139-Y4040-V8, 470mm
T26139-Y4040-V9, 540mm
and connects the 2.5" backplane with the SAS 3.0 RAID controller mounted in slot 1
required for later upgrade from onboard SATA 6G controller to dedicated SAS 3.0 Controller

Availability End April 2017

PRAID EP440 and EP440 for SafeStore L-Parts require a Cable Upgrade Kit: S26361-F5243-L740
This is required, because this controllers support different position of SAS cables

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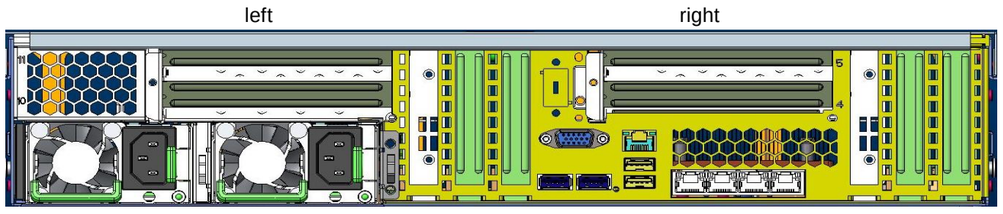
PCIe riser card options

S26361-F3846-E21
PCIe riser 2x x8 right
PCIe 3.0 x8
provides two full height slots
max. 1x per system

S26361-F3846-E22
PCIe riser 2x x8 left
PCIe 3.0 x8
provides two full height slots
max. 1x per system

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

left right



SAS-/SCSI-/ Fibre-Channel Controller

SAS controller external

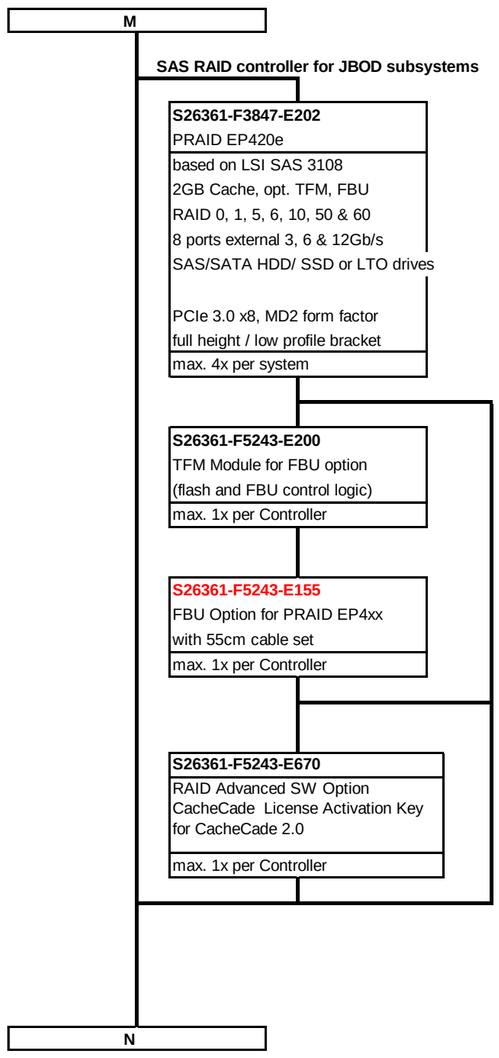
S26361-F3845-E201/-E1
PSAS CP400e lp/fh
LSI SAS9300-8e, SAS3008
8 ports external 3, 6 & 12Gb/s
SAS/SATA HDD/ SSD or LTO drives
PCIe 3.0 x8,
full height or low profile bracket
max. 2x per system

SAS controller internal

S26361-F3842-E2
PSAS CP400i
Based on chip LSISAS3008
8 ports 3, 6 & 12Gb/s
SAS/SATA HDD/ SSD
PCIe 3.0 x8
full height or low profile bracket
max. 1x per system

Note:
Only 1x -E2 per
PCIe riser option

M



System configurator and order-information guide
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Lose delivery

S26361-F3847-L502
PRAID EP420e
based on LSI SAS 3108
2GB Cache, opt. TFM, FBU
RAID 0, 1, 5, 6, 10, 50 & 60
8 ports external 3, 6 & 12Gb/s
SAS/SATA HDD/ SSD or LTO drives
PCIe 3.0 x8, MD2 form factor
Full height & low profile bracket
Customer configurable

S26361-F5243-L200
TFM Module for FBU option
(flash and FBU control logic)
max. 1x per Controller

Lose delivery FBU option

S26361-F5243-L110
FBU Option for PRAID EP4xx
with 25, 55, 70 cable set
max. 1x per Controller

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

FastPath is free of charge

Advanced Software Option

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

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Section VIII PCIe-Switch and PCIe-SSD SFF (2.5")

Note: This option is only possible with:

Config. 7: 4x PCIe-SSD SFF	**S26361-F2495-E470**
Config. 8: 8x 2.5" + 4x PCIe-SSD SFF	**S26361-F2495-E480**
Config. 9: 8x PCIe-SSD SFF	**on special release**

Option REAR PCIe SSD SFF	**S26361-F3853-E20**

Loose delivery with exchangeable
Full Height (FH) or Low Profile (LP) bracket

2x

S26361-F5267-E201 **S26361-F5267-L501**
PPCI EP x16 Switch lp
devides PCIe3.0 x16 lanes into 4x x4 lanes
supports up to 4x 2.5" PCIe-SSD SFF
No HW RAID, No Cache
PCIe3,0 x16 occupies a PCIe3.0 x16 slot
max. 2x per system

max. 8x

PCIe-SSD 2.5" (SFF) with hot plug/hot replace tray

capacity	*Formfactor*	*PCIe*	*Endurance*	*dwpd*	*order code E-part*	*order code L-part*
800GB	2.5" (SFF)	Gen 3 x4	mainstream	10	**S26361- F5534-E800**	**S26361- F5534-L800**
1.6TB	2.5" (SFF)	Gen 3 x4	mainstream	10	**S26361- F5534-E161**	**S26361- F5534-L161**
2.0TB	2.5" (SFF)	Gen 3 x4	mainstream	10	**S26361- F5534-E201**	**S26361- F5534-L201**
max. 4/8x per system						

max. 2 / 4x

PCIe-SSD (occupies one PCIe slot)

S26361-F5546-E131 **S26361-F5546-L131**	**S26361-F5546-E261** **S26361-F5546-L261**	**S26361-F5546-E521** **S26361-F5546-L521**
PACC EP PX600 1.3TB	PACC EP PX600 2.6TB	PACC EP PX600 5.2TB
Fusion ioMemory series PCIe 2.0 25nm Lithography PCIe x8, Low Profile	Fusion ioMemory series PCIe 2.0 25nm Lithography PCIe x8, Low Profile	Fusion ioMemory series PCIe 2.0 25nm Lithography PCIe x8, Full Hight
max. 4x per system	max. 4x per system	max. 2x per system

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Chapter 9 - LAN Components

Dynamic LoM interface cards

one DynamicLoM order code is mandatory

Interface card to provide the external connectors for on-board LAN			
PLAN EM blind panel	Blind panel if no DynamicLoM	**S26361-F5302-E100**	**n/a**
PLAN EM 2x1Gb T interface card	2x RJ45 plug for 1000BASE-T	**S26361-F5302-E201**	**S26361-F5302-L201**
PLAN EM 4x1Gb T interface card	4x RJ45 plug for 1000BASE-T	**S26361-F5302-E401**	**S26361-F5302-L401**
PLAN EM 2x10Gb T interface card **EMEIA**	2x RJ45 plug for 10GBASE-T	**S26361-F5302-E210**	**S26361-F5302-L210**
PLAN EM 2x10Gb T interface card **v2 APC, JP**	2x RJ45 plug for 10GBASE-T	**S26361-F5302-E220**	**S26361-F5302-L220**
PLAN EM 2x10Gb SFP interface card	s for SFP modules and cables see link	**S26361-F5302-E211**	**S26361-F5302-L211**
required 1x per system			

1Gb Ethernet network components

1Gb Ethernet controller with RJ45 interface (1000BASE-T)				
PLAN CP 2x1Gbit Cu Intel I350-T2	4x	2 port, Intel	**S26361-F4610-E2**	**S26361-F4610-L502**
PLAN CP 2x1Gbit Cu Intel I350-T2 LP	4x	2 port, Intel	**S26361-F4610-E202**	**S26361-F4610-L502**
PLAN CP 4x1Gbit Cu Intel I350-T4	4x	4 port, Intel	**S26361-F4610-E4**	**S26361-F4610-L504**
PLAN CP 4x1Gbit Cu Intel I350-T4 LP	4x	4 port, Intel	**S26361-F4610-E204**	**S26361-F4610-L504**
max. 4 Controller per system				

10Gb Ethernet network components

10Gb Ethernet controller with RJ45 interface (10GBASE-T)				
Eth Ctrl 2x10GBase-T PCIe x8 X540-T2	4x	2 port NIC, Intel	**S26361-F3752-E2**	**S26361-F3752-L502**
Eth Ctrl 2x10GBase-T PCIe x8 X540-T2 LP	4x	2 port NIC, Intel	**S26361-F3752-E202**	**S26361-F3752-L502**
PLAN EP X550-T2 2x10GBASE-T	4x	2 port NIC, Intel	**S26361-F3948-E2**	**S26361-F3948-L502**
PLAN EP X550-T2 2x10GBASE-T LP	4x	2 port NIC, Intel	**S26361-F3948-E202**	**S26361-F3948-L502**
PLAN EP OCe14102 2x 10GBase-T	4x	2 port NIC with RDMA, Emulex	**S26361-F5557-E1**	**S26361-F5557-L501**
PLAN EP OCe14102 2x 10GBase-T LP	4x	2 port NIC with RDMA, Emulex	**S26361-F5557-E201**	**S26361-F5557-L501**
10Gb Ethernet controller with SFP+ interface (for SFP+ modules or twinax cables, Fujitsu / Intel based)				
Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+	4x	2 port NIC, Intel 82599 based	**S26361-F3629-E2**	**S26361-F3629-L502**
Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+	4x	2 port NIC, Intel 82599 based	**S26361-F3629-E202**	**S26361-F3629-L502**
Eth Ctrl 2x10Gbit PCIe x8 X710-DA2 SFP+	4x	2 port NIC, Intel	**S26361-F3640-E2**	**S26361-F3640-L522**
Eth Ctrl 2x10Gbit PCIe x8 X710-DA2 SFP+LP	4x	2 port NIC, Intel	**S26361-F3640-E202**	**S26361-F3640-L522**
optional 10Gb SFP+ module with LC connector for Fujitsu / Intel based controller				
SFP+ Module MMF 10GbE LC	2x	MMF / SR SFP+ module, up to 400m	**S26361-F3986-E3**	**S26361-F3986-L3**
SFP+ Module SMF 10GbE LC	2x	SMF / LR SFP+ module, up to 10km	**S26361-F3986-E4**	**S26361-F3986-L4**
Twinax Anschlussplatz Primergy	2x	virtual connector for twinax cables	**V:TWX CONNECTOR-PY**	
SFP+ active Twinax Cable Fujitsu	2x	customized cable length (best fitting cable length is defined during rack installation at the factory)	**S26361-F3989-E600**	**see table at the botton of this page**
SFP+ active Twinax Cable Brocade	2x		**S26361-F3873-E500**	
SFP+ passive Twinax Cable Cisco	2x		**S26361-F4571-E500**	
max. 2x SFP+ or Twinax Cable per controller				
10Gb Ethernet controller with SFP+ interface (for SFP+ modules or twinax cables, Emulex)				
PLAN EP OCe14102 2x10Gb	4x	2 port NIC with RDMA, Emulex	**S26361-F5536-E2**	**S26361-F5536-L502**
PLAN EP OCe14102 2x10Gb LP	4x	2 port NIC with RDMA, Emulex	**S26361-F5536-E202**	**S26361-F5536-L502**
PCNA EP OCe14102 2x 10Gb	4x	2 port CNA with FCoE & RDMA, Emulex	**S26361-F5250-E1**	**S26361-F5250-L501**
PCNA EP OCe14102 2x 10Gb LP	4x	2 port CNA with FCoE & RDMA, Emulex	**S26361-F5250-E201**	**S26361-F5250-L501**
optional 10Gb SFP+ module with LC connector for Emulex controller				
PCNA SFP+ MMF Modul OCe14102	2x	MMF / SR SFP+ module, up to 400m	**S26361-F5250-E110**	**S26361-F5250-E110**
Twinax Anschlussplatz Primergy	2x	virtual connector for twinax cables	**V:TWX CONNECTOR-PY**	
SFP+ active Twinax Cable Fujitsu	2x	customized cable length (best fitting cable length is defined during rack installation at the factory)	**S26361-F3989-E600**	**see table at the botton of this page**
SFP+ active Twinax Cable Brocade	2x		**S26361-F3873-E500**	
SFP+ passive Twinax Cable Cisco	2x		**S26361-F4571-E500**	
max. 2x SFP+ or Twinax Cable per controller				
max. 4 Controller per system				

25/10Gb Ethernet network components

25/10Gb Ethernet controller with 2x SFP28 cages (for twinax cables or optical transceiver SFP+ modules)				
Dual speed support, auto-sense - supports 25Gbps and 10Gbps line rate per-port				
PLAN EP QL45212 2x25Gb	2x	Dual Port NIC, RoCE RDMA, WS2016, Qlogic	**S26361-F5622-E2**	**S26361-F5622-L502**
PLAN EP QL45212 2x25Gb LP	2x	Dual Port NIC, RoCE RDMA, WS2016, Qlogic	**S26361-F5622-E202**	**S26361-F5622-L502**
optional 25Gb SFP28 module with LC connector for Fujitsu / Intel / Qlogic based controller				
Twinax Anschlussplatz Primergy	2x	virtual connector for twinax cables	**V:TWX CONNECTOR-PY**	
SFP28 Twinaxial Cable Fujitsu	2x	customized cable length (best fitting cable length is defined during rack installation at the factory)	**future**	**future**
SFP28 Twinax Cable Brocade	2x		**future**	
max. 2x SFP28 Twinax Cable per controller				
optional 10Gb SFP+ module with LC connector for Fujitsu / Intel / Qlogic based controller				
SFP+ Transceiver Module MMF 10GbE LC	2x	MMF / SR SFP+ module, up to 400m	**S26361-F3986-E3**	**S26361-F3986-L3**
SFP+ Transceiver Module SMF 10GbE LC	2x	SMF / LR SFP+ module, up to 10km	**S26361-F3986-E4**	**S26361-F3986-L4**
Twinax Anschlussplatz Primergy	2x	virtual connector for twinax cables	**V:TWX CONNECTOR-PY**	
SFP+ active Twinax Cable Fujitsu	2x	customized cable length (best fitting cable length is defined during rack installation at the factory)	**S26361-F3989-E600**	**see table at the botton of this page**
SFP+ active Twinax Cable Brocade	2x		**S26361-F3873-E500**	
max. 2x SFP+ or Twinax Cable per controller				
max. 2 Controller per system				

40/10Gb Ethernet network components

40Gb Ethernet controller with QSFP+ interface (for QSFP+ modules or twinax cables, Emulex)				
PCNA EP OCe14401 1x 40Gb LP	1x	1x QSFP+ plugs for twinax or modules	**S26361-F5539-E201**	**S26361-F5539-L501**
optional 40Gb QSFP+ module with MTO connector for Emulex controller				
SFP+ Module MMF 10GbE LC	1x	MMF / SR SFP+ module, up to 400m	**S26361-F5539-E140**	**S26361-F5539-L140**
Twinax Anschlussplatz Primergy	1x	virtual connector for twinax cables	**V:TWX CONNECTOR-40**	
QSFP+ active Twinax Cable	1x	customized cable length (best fitting cable length is defined during rack installation at the factory)	**S26361-F3986-E400**	**see table at the botton of this page**
QSFP+ aktives Twinax Kabel Brocade	1x		**S26361-F5317-E40**	
rmax. 1x QSFP+ or Twinax Cable per controller				
max. 1 Controller per system				

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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

Fujitsu QSFP+ / QSFP+ Twinax 40Gb cable	
QSFP+ passive Twinax Cable Fujitsu 2m	S26361-F3986-L402
QSFP+ passive Twinax Cable Fujitsu 5m	S26361-F3986-L405
QSFP+ active Twinax Cable Fujitsu 10m	S26361-F3986-L410

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

Brocade active QSFP+ / QSFP+ Twinax 40Gb cable	
QSFP+ active Twinax Cable Brocade 1m	S26361-F5317-L41
QSFP+ active Twinax Cable Brocade 3m	S26361-F5317-L43
QSFP+ active Twinax Cable Brocade 5m	S26361-F5317-L45
40GE Direct Attached QSFP-QSFP,10m,1pack	D:QSFP-QSFP-AOC10L
Brocade active QSFP+ / 4xSFP+ Twinax 40Gb cable	
QSFP+/4xSFP+ Breakout Cable Brocade 1m	S26361-F5317-L401
QSFP+/4xSFP+ Breakout Cable Brocade 3m	S26361-F5317-L403
QSFP+/4xSFP+ Breakout Cable Brocade 5m	S26361-F5317-L405
4x10GE Direct QSFP-4SFP Cable,10m,1-pack	D:QSFP-4SFP-AOC10L

Chapter 10 - Fibre Channel Components

as soon as available, GA planned Q1/2017

32Gb Fibre Channel controller generation 6 with LC interface for 50µm optical cables (OM3 or OM4)				
Triple speed support - supports 32Gb, 16Gb, and 8Gb				
PFC EP LPe32000 1x 32Gb	4x	1 port, full height, Broadcom/Emulex	S26361-F4044-E1	S26361-F4044-L501
PFC EP LPe32000 1x 32Gb LP	4x	1 port, low profile, Broadcom/Emulex	S26361-F4044-E201	S26361-F4044-L501
PFC EP LPe32002 2x 32Gb	4x	2 port, full height, Broadcom/Emulex	S26361-F4044-E2	S26361-F4044-L502
PFC EP LPe32002 2x 32Gb LP	4x	2 port, low profile, Broadcom/Emulex	S26361-F4044-E202	S26361-F4044-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 Emulex	6x	1 port, full height, Emulex	S26361-F5596-E1	S26361-F5596-L501
PFC EP LPe31000 1x 16Gb Emulex LP	6x	1 port, low profile, Emulex	S26361-F5596-E201	S26361-F5596-L501
PFC EP LPe31002 2x 16Gb Emulex	6x	2 port, full height, Emulex	S26361-F5596-E2	S26361-F5596-L502
PFC EP LPe31002 2x 16Gb Emulex LP	6x	2 port, low profile, Emulex	S26361-F5596-E202	S26361-F5596-L502
PFC EP QLE2690 1x 16Gb	6x	1 port, full height, Qlogic	S26361-F5580-E1	S26361-F5580-L501
PFC EP QLE2690 1x 16Gb LP	6x	1 port, low profile, Qlogic	S26361-F5580-E201	S26361-F5580-L501
PFC EP QLE2692 2x 16Gb	6x	2 port, full height, Qlogic	S26361-F5580-E2	S26361-F5580-L502
PFC EP QLE2692 2x 16Gb LP	6x	2 port, low profile, Qlogic	S26361-F5580-E202	S26361-F5580-L502
16Gb Fibre Channel controller generation 5 with LC interface for 50µm optical cables (OM3 or OM4)				
Predecessor - Dual speed support - supports 16Gb and 8Gb				
PFC EP LPe16000 1x 16Gb	6x	1 port, full height, Emulex	S26361-F4994-E1	S26361-F4994-L501
PFC EP LPe16000 1x 16Gb LP	6x	1 port, low profile, Emulex	S26361-F4994-E201	S26361-F4994-L501
PFC EP LPe16002 2x 16Gb	6x	2 port, full height, Emulex	S26361-F4994-E2	S26361-F4994-L502
PFC EP LPe16002 2x 16Gb LP	6x	2 port, low profile, Emulex	S26361-F4994-E202	S26361-F4994-L502
PFC EP QLE2670 1x 16Gb	6x	1 port, full height, Qlogic	S26361-F5313-E1	S26361-F5313-L501
PFC EP QLE2670 1x 16Gb LP	6x	1 port, low profile, Qlogic	S26361-F5313-E201	S26361-F5313-L501
PFC EP QLE2672 2x 16Gb	6x	2 port, full height, Qlogic	S26361-F5313-E2	S26361-F5313-L502
PFC EP QLE2672 2x 16Gb LP	6x	2 port, low profile, Qlogic	S26361-F5313-E202	S26361-F5313-L502
8Gb Fibre Channel controller generation 4 with LC interface for 50µm optical cables (OM3 or OM4)				
Dual speed support - supports 8Gb and 4Gb				
FC Ctrl 8Gb/s 1 Kanal LPe1250 MMF LC	6x	1 port, full height, Emulex	S26361-F3961-E1	S26361-F3961-L1
FC Ctrl 8Gb/s 1 Kanal LPe1250 MMF LC LP	6x	1 port, low profile, Emulex	S26361-F3961-E201	S26361-F3961-L201
FC Ctrl 8Gb/s 2 Kanal LPe12002 MMF LC	6x	2 port, full height, Emulex	S26361-F3961-E2	S26361-F3961-L2
FC Ctrl 8Gb/s 2 Kanal LPe12002 MMF LC LP	6x	2 port, low profile, Emulex	S26361-F3961-E202	S26361-F3961-L202
FC Ctrl 8Gb/s 1 Kanal QLE2560 MMF LC	6x	1 port, full height, Qlogic	S26361-F3631-E1	S26361-F3631-L1
FC Ctrl 8Gb/s 1 Kanal QLE2560 MMF LC LP	6x	1 port, low profile, Qlogic	S26361-F3631-E201	S26361-F3631-L201
FC Ctrl 8Gb/s 2 Kanal QLE2562 MMF LC	6x	2 port, full height, Qlogic	S26361-F3631-E2	S26361-F3631-L2
FC Ctrl 8Gb/s 2 Kanal QLE2562 MMF LC LP	6x	2 port, low profile, Qlogic	S26361-F3631-E202	S26361-F3631-L202
max. 6 Controller per system (mixed configurations are supported)				

Please note that this PCIe cards have different order numbers:
-Ex for full height slots or -E20x for low profile slots!

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Chapter 11 - InfiniBand Components

H) InfiniBand HCA's

will be EOL on 12/31/2016

S26361-F4475-E122/E222
PIB EP QLE7340e/42e
Intel IB HCA 1x / 2x 40Gb
PCIe 2.0 (5,0GT/s)
PCIe x8, low profile
ext: 1x / 2x QSFP-connector
max. 2x per system

S26361-F4475-E103/E203
IB HCA 40Gb
1 and 2 port QDR enhanced
IB HCA 1x / 2x 40Gb
PCIe 3.0 (8,0GT/s)
PCIe x8, low profile
ext: 1x / 2x QSFP-connector
max. 2x per system

S26361-F4533-E102/E202
IB HCA 56Gb 1 and 2 port FDR
IB HCA 1x / 2x 56Gb
PCIe 3.0 (8,0GT/s)
PCIe x8, low profile
ext: 1x / 2x QSFP-connector
max. 2x per system

2x

S26361-F3996-E203
Intel IB Cu Cable 40Gb
QSFP, 3m
max. 2x per adapter

S26361-F3996-E210
Intel IB FO Cable 40Gb
QSFP, 10m
max. 2x per adapter

only within a rack configuration

S26361-F3996-E556
InfiniBand Cu Cable 56Gb
customized
QSFP, 1m and 3m
max. 2x per adapter

loose delivery: S26361-F4475-L122/L222
loose delivery: S26361-F4475-L103/L203
loose delivery: S26361-F4533-L102/L202
Loose delivery with FH and LP bracket included

If additional length of copper cable or optical cable are needed, then they must be ordered from the cable vendor directly
Copper cable are also available for loose delivery as S26361-F3996-L561, QSFP, 56Gb, 1m S26361-F3996-L563, QSFP, 56Gb, 3m

2x

S26361-F5540-E103/E203 S26361-F5540-L103/L203
IB HCA 100Gb 1 / 2channel EDR with PCI riser
100GBit 1 / 2channel Infiniband Controller EDR technology (8.0GT/s) with PCI short riser
1x / 2x Q-SFP+ connector
PCIe Gen3 x16 Full Hight Card, 170mm
max. 2x per system

S26361-F5562-E10 S26361-F5562-L10
POP EP 100Gb 1 Channel
100GBit 1 channel Omni Path HFI Card (8.0GT/s)
1x Q-SFP+ connector
PCIe Gen3 x16 low profile Card, 170mm
max. 2x per system

S26361-F5549-L561
QSFP, 100Gb 1m for EDR
S26361-F5549-L563
QSFP, 100Gb 3m for EDR

S26361-F5549-E561/-E563
IB Cu Cable 100Gb
QSFP, 1 or 3m
max. 1/ 2x per Controller

S26361-F5563-E150/-E200/-E300
Omni Passive Cable 100Gb
QSFP, 1.5m or 2m or 3m
max. 1 per Controller

S26361-F5563-L150
QSFP, 1.5m Omni cable
S26361-F5563-L200
QSFP, 2m Omni cable
S26361-F5563-L300
QSFP, 3m Omni cable

To fullfill the FCC regulation (USA and Canada),
EDR controller have to be installed with PCI short riser which is included in S26361-F5540-E103/E203,S26361-F5540-L103/L203.

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

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

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Section X System Management Products (RemoteView)

iRMC S4 (integrated Remote Management Controller) onboard server management Controller with dedicated 10/100/1000 Service LAN-port and integrated graphics.

S26361-F1790-E243
iRMC S4 advanced pack
integrated remote management controller
activation key for
graphical console redirection
and remote media redirection
max. 1x per system

OOB-HDD monitoring by iRMC S4:
the OOB-HDD cable will be installed in production automatically
Exception: RAID Ctrl SAS 6G 1GB (D3116C), PRAID EP4x0i, PRAID CP400i,
these controllers support OOB-RAID, which includes OOB-HDD without cable

HDD OOB monitoring by iRMC
Loose delivery
S26361-F1420-L310

S26361-F1420-E130
Opt. Front VGA
max. 1x per system

Front VGA for IRMC Graphic only
- not for discrete Graphic -
- not for 12x 3.5" and 24x 2.5" HDD

Loose delivery
Opt. front VGA
S26361-F1420-L130

Section XI Miscellaneous

S26361-F3120-E40
Serial Port Option
RS-232-C
Cable with 9-pin plug
for a RS-232-C Serial Port
Interface
does NOT occupy PCI slot
max. 1x per system

Options and other peripherals
For other options, refer to SystemArchitect and Pricelist
These options are supplied lose with the shipment
For suitable peripherals for this product, please refer to SystemArcitect

S26361-F3776-E240
Cool-safe® Advanced Thermal Design 40°C
Restricts configuration to make
5-40° possible
Feature is enabled and fixed ex factory
max. 1x per system

S26361-F3776-E245
Cool-safe® Advanced Thermal Design 45°C
Restricts configuration to make
5-45° possible
Feature is enabled and fixed ex factory
max. 1x per system

Cool-safe ATD configuration restrictions for RX2540 M2:
related L-numbers as well restricted

no basic unit with 12x LFF

12x 3.5" HDD bays	**S26361-K1566-V112**

not these CPUs

Intel Xeon E5-2637v3 4C/8T 3.50 GHz	S26361-F3849-E137
Intel Xeon E5-2643v3 6C/12T 3.40 GHz	S26361-F3849-E143
Intel Xeon E5-2667v3 8C/16T 3.20 GHz	S26361-F3849-E167
Intel Xeon E5-2697v3 14C/28T 2.60 GHz	S26361-F3849-E197
Intel Xeon E5-2699v3 18C/36T 2.30 GHz	S26361-F3849-E199

no Grid cards

PGRA CP NVIDIA GRID K1	S26361-F2222-E914
PGRA CP NVIDIA GRID K2	S26361-F2222-E924

no tape drives

Tape drive LTO4 HH SAS IBM V2	S26361-F3626-E2
Tape drive LTO5HH Ultrium SAS	S26361-F3627-E1
Tape drive LTO6HH Ultrium SAS	S26361-F3787-E1

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System configurator and order-information guide
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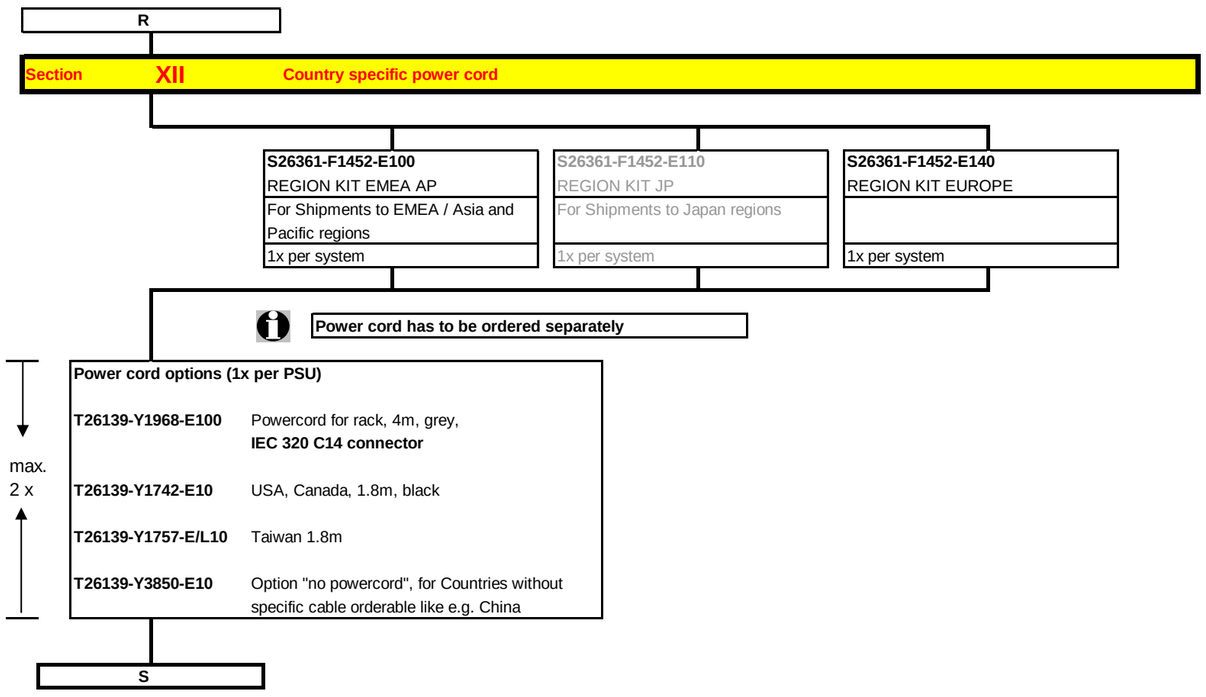


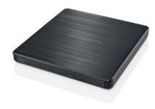
Accessories

S

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

USB sticks (FOR PROJECTS ONLY) - no standard release	
ADATA USB 3.0 Flash Stick UE700 – 32GB	**S26391-F6048-L332**
ADATA USB 3.0 Flash Stick UE700 – 64GB	**S26391-F6048-L364**

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



End PRIMERGY RX2540 M2

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-06-30

Group	Description	order code	Status LLC
	TBD		

Change Report

Date	Order number	Changes
2017-06-13	RAID	descriptions of FBU options changed
2017-06-06	S26361-F5243-E206,L506,E205,L505	product names changed
2017-06-06	F5588/F5589-E120 /	F5525/F5530-E240/E480 / F5522-E64/E128 removed
2017-06-06	F5666/F5670/F5662/F5668-*	added
2017-05-03	RAID	EP440i for SafeStore info changed
2017-04-27	PLAN EP QL45212	Updated
2017-04-27	USB Devices	New ext. ODD added
2017-04-27	T26139-Y1757-E10/L10	powercord for Taiwan added
2017-04-12	HD's SATA DOM SLC	comment updated
2017-03-24	HD's Note / S26361-F5618-*	updated / Endurance updated
2017-03-24	F5583-* / F3816/F3817-E500	removed
2017-03-22	S26361-F5243-E205(LP)	comment added
2017-03-21	S26361-K1566-V102/V402	LLC base units deleted
2017-03-14	S26361-F3934-E517	comment added
2017-03-14	S26361-F3933-L4*	loose components added
2017-03-08	S26361-F3846-L19	GFX/GPU cable kit added
2017-03-08	S26361-F3948-E2/L502	added
2017-02-09	S26361-F5243-E6	comment added
2017-02-07	S26361-F5618-*	added
2017-02-01	S26361-F3626-E2	added comment(to pre-removed) LTO4 drive.
2017-02-01	S26361-F3857-L800	added 3TB capacity, removed 320GB capacity.
2017-01-31	S26361-F3933-L498	added
2017-01-24	RAM	Memory speed corrected
2017-01-20	S26361-F5243-E5, E205, L505, E6, E206, L506 and S26361-F5243-L740	Included PRAID EP440i + EP440i for Safestore + Cable Set
2017-01-18		Modify "GFX & GPUs" tab.
2017-01-17	8/10TB HDDs	Info-Text added
2017-01-11	S26361-F3933-L4*	loose components added
2016-12-26	SED	added
2016-12-21	S26361-F3904/F5571-E800/E100	added
2016-12-21	S26361-F5630/F5632-*	added
2016-12-19		Modify "GFX & GPUs" tab. Changed FTS order number from S26361-F2222-E100/L100 to S26361-F4025-E112/L112 and E116/L116.
2016-12-13	S26361-F5243-E4/L4	VS50 for EMEA only
2016-11-23	S26361-F4044-E1, -E2, E201, E202	New Fibre Channel Controller added
2016-11-08	S26361-F5302-E220, -L220	New product: PLAN EM 2x10Gb T interface card APC, JP
2016-11-03	S26341-F103-L140	changed to new USB Optical Disc Drive
2016-11-01	S26361-F5620-E64	added
2016-10-31	S26361-F5622-E2, -E202, -L502	Yellow highlighting removed from PLAN EP QL45212
2016-10-31	S26361-F5596-E1, E2, -E201, -E202, -L501, -L502	Yellow highlighting removed from PFC EP LPe3100X
2016-10-27	S26361-F3933-E192	added
2016-10-24		Modify "GFX & GPUs" tab.
2016-09-27		Memory page updated (rank sparing capas, max memory table & speed table)
2016-09-27	S26361-F2735-L10	corrected from 50kg to 15kg
2016-09-20	S26361-F5622-E2, -E202, -L502	Added: PLAN EP QL45212
2016-09-20	S26361-F2222-E100, S26361-F2222-E910, S26361-F4024-E201	add Tesla P100, add Tesla M10, modify GRID Software License.
2016-09-19	T26139-Y4024-E/L10	added Power Cord -48V DC, 4m, black
2016-09-15	S26361-F5606-E1/L1	LTO7 drive added
2016-08-08	S26361-F3956-E200	added
2016-08-08	S26361-F5600-E100/E200	now available
2016-08-02	S26361-F3935-E515	added
2016-07-15	S26361-F5612/F5614/F5615/F5617-*	added
2016-07-14	S26361-F5607F5608-*	added
2016-07-12	S26361-F5600-E100/E200	added
2015-06-22	S26361-F3934-E517	64GB 3DS RDIMM added
2016-06-20	S26361-F2222-E490	add Quadro M4000
2016-06-16	S26361-F3552-L23	added TPM 1.2 Module
2016-06-02	S26361-F5243-E4/L4	added
2016-05-10	S26361-F5580-xxxx	QLE269x finally released
2016-04-01		First Release