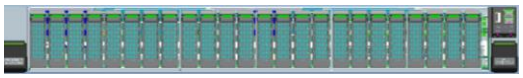
FUJITSU

PRIMERGY RX2540 M2

System configurator and order-information guide

April 2017

Contents



PRIMERGY Server

Instructions

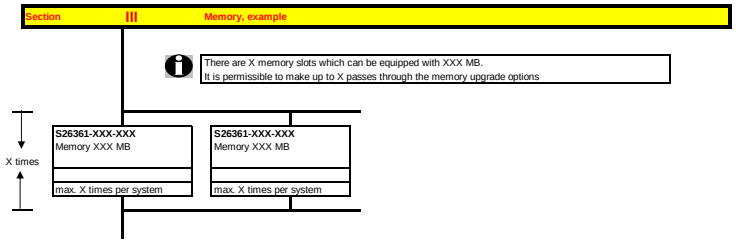
This document contains basic product and configuration information that will enable you to configure your system via PC-/System-Architect.

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

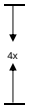
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

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:

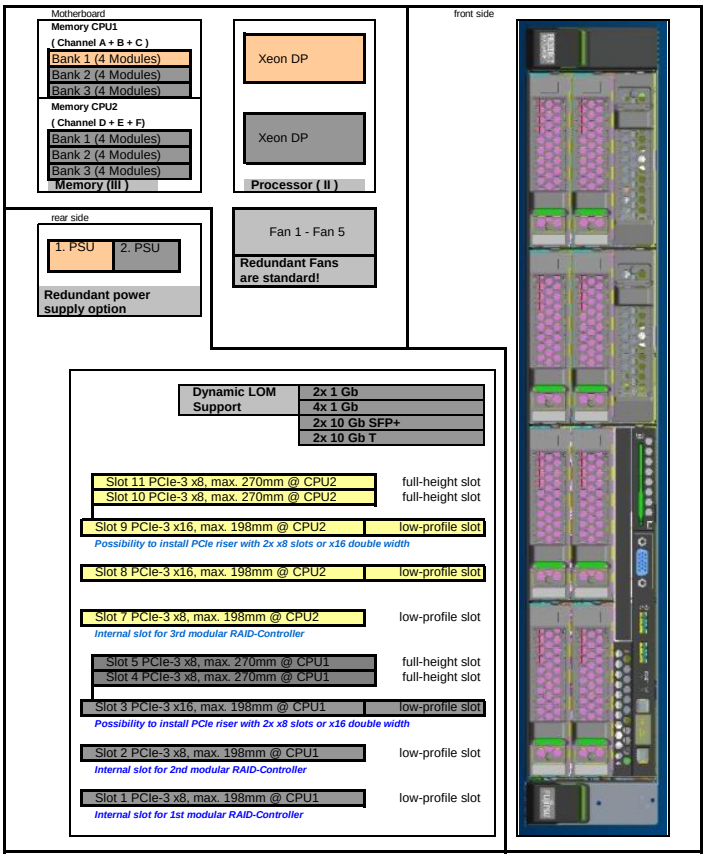
http://ts.fujitsu.com/products/standard_servers/in‹ (internet)

https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.asp› (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

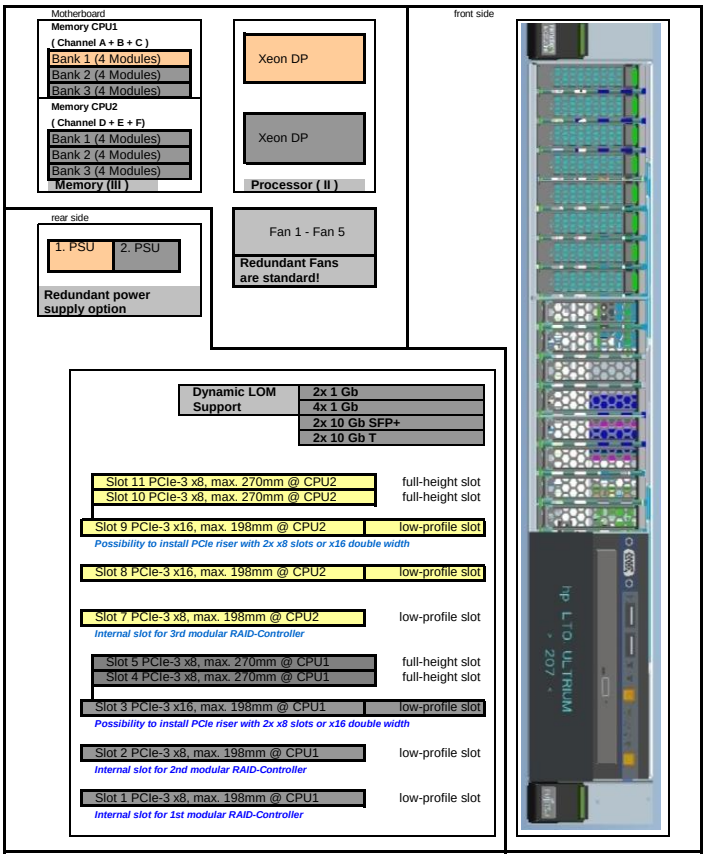
Option

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 I 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

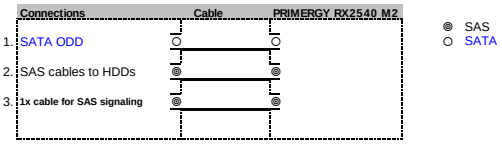
Software:
*** ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates**
*** Documentation engl. (multilingual on CD)**

A

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31

A

Cables included in basic unit



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	**S26113-F574-E13**	**S26113-F616-E10**	**S26113-F615-E10**	**S26113-F624-E10****
450W PSU module platinum	**800W** PSU module platinum	**1200W** PSU module platinum	**800W** PSU module titanium	**800W** -48V DC PSU mod. platinum
1st or 2nd PSU for redundancy	1st or 2nd PSU for redundancy	1st or 2nd PSU for redundancy	1st or 2nd PSU for redundancy	1st or 2nd PSU for redundancy
94% efficiency (platinum)	94% efficiency (platinum)	94% efficiency (platinum)	96% efficiency (titanium)	94% efficiency (platinum)
		110V range: 1000W , <110V:900W	110V range not supported	48V DC input, special cable**
uses hot plug PSU slot	uses hot plug PSU slot	uses hot plug PSU slot	uses hot plug PSU slot	uses hot plug PSU slot
min. 1 / max. 2x per system	min. 1 / max. 2x per system	min. 1 / max. 2x per system	min. 1 / max. 2x per system	min. 1 / max. 2x per system

S26113-F574-E99 *	**For later redundancy upgrade the following kit is available:**	
Power Supply Dummy	One 450W power supply module hot plug	**S26113-F575-L13**
must be ordered if 1x PSU only	no power cable included!!!	
occupies one bay for	One 800W power supply module hot plug	**S26113-F574-L13**
hot plug power supply	no power cable included!!!	
max. 1x per system	One 1200W power supply module hot plug	**S26113-F616-L10**
	no power cable included!!!	
	One 800W power supply module titanium	**S26113-F615-L10**
	no power cable included!!!	
	One 800W 48V DC power supply module platinum	**S26113-F624-L10***
	no power cable included!!!	
	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**

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

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

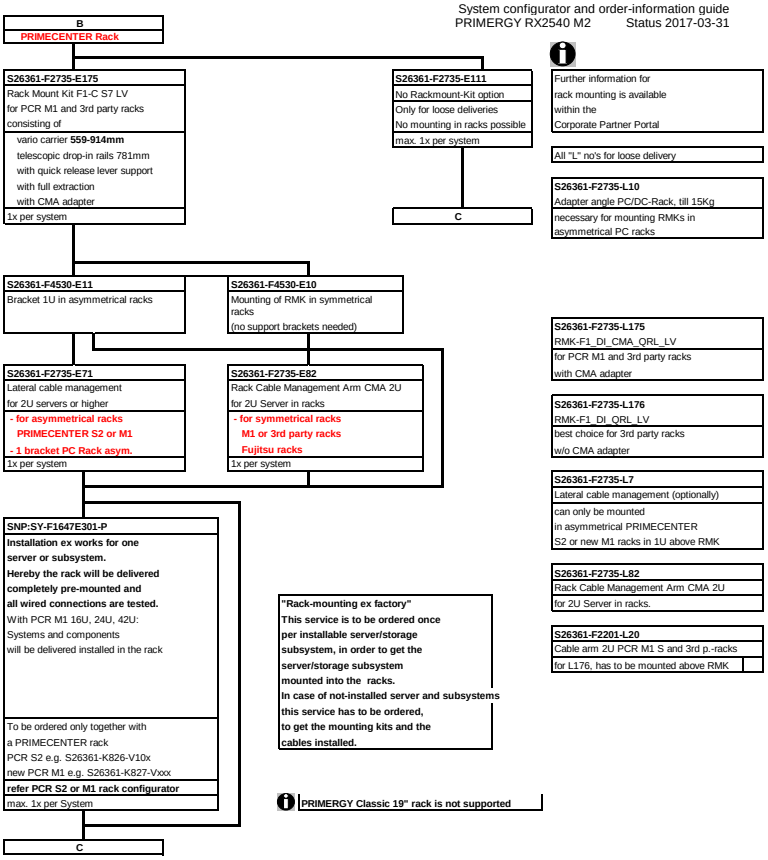
Be aware of import restrictions!
Loose delivery for later
integration possible for customer.

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 2017-03-31



System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31

C

Section || 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

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31

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

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

F

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

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

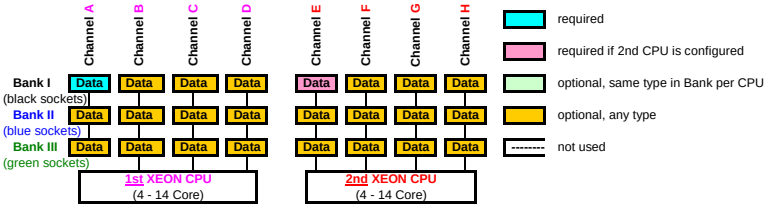
Configuration hints:

- 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.

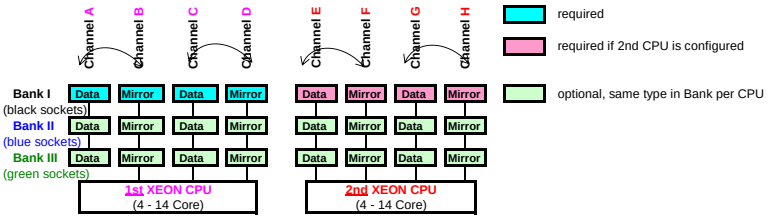
System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31

1. Independent Channel Mode



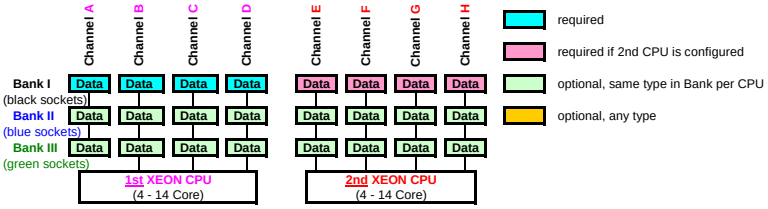
Independent Channel Mode allows all channels to be populated in any order
Can run with differently rated DIMMs and use the settings of the slowest DIMM installed in the system

2. Mirrored Channel Mode



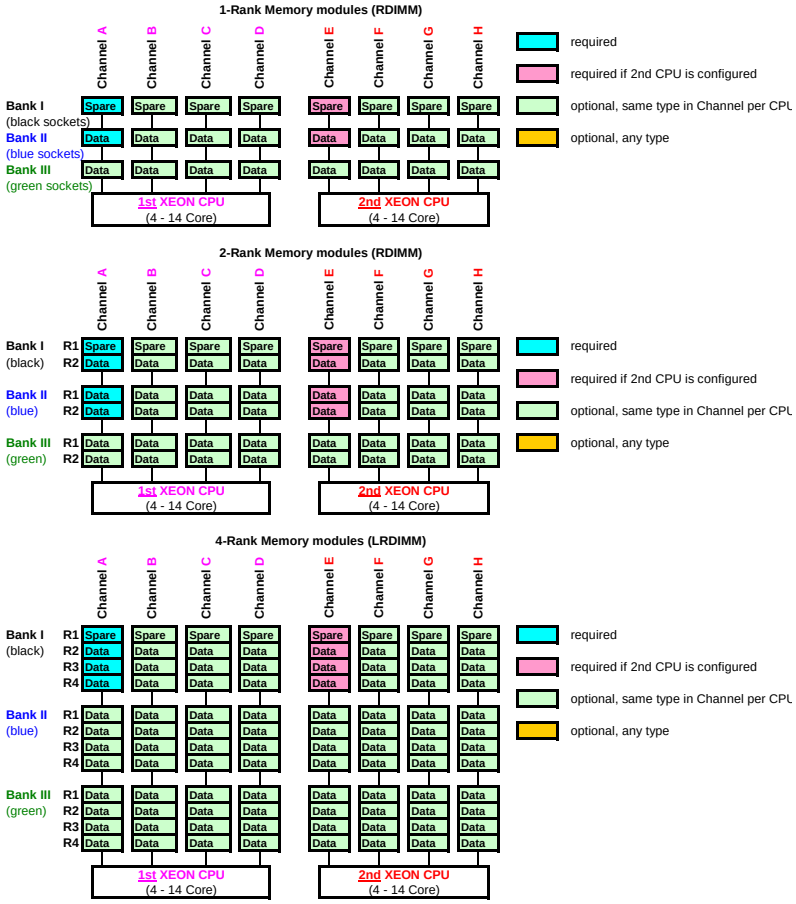
Mirrored Channel Mode requires identical modules on channel A,B, C, D (1st CPU) or channel E, F, G and H (2nd CPU)
50% of the capacity is used for the mirror => the available memory for applications is only half of the installed memory
If this mode is used, a multiple of 4 identical modules has to be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

3. Performance Channel Mode



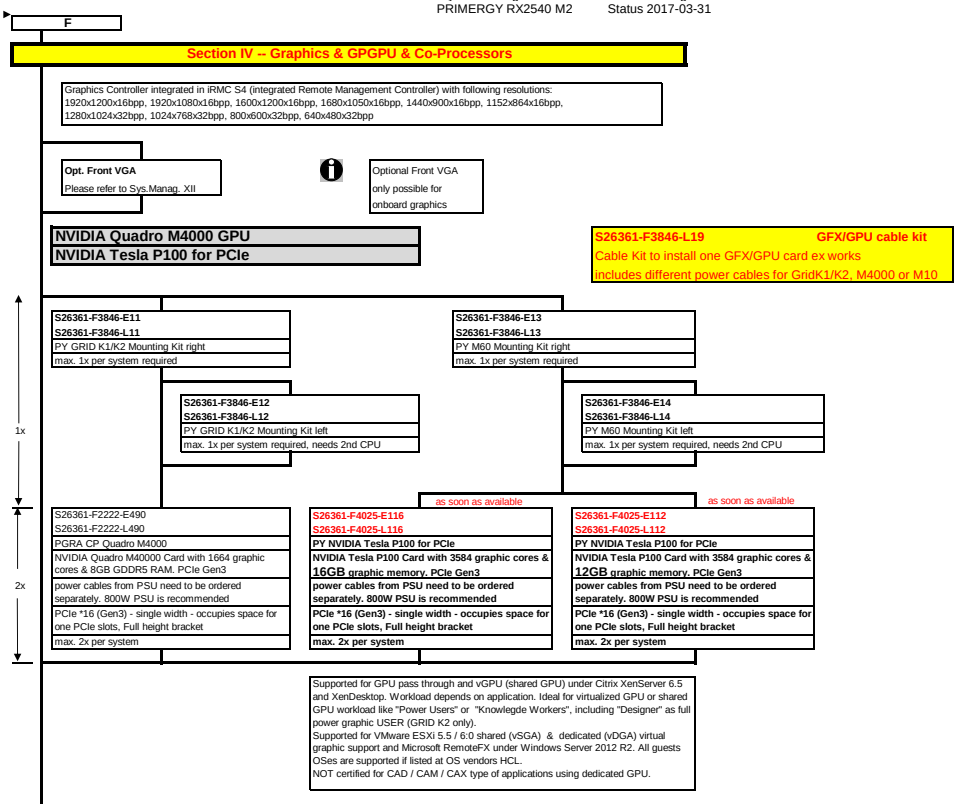
Performance Channel Mode requires identical modules on all channels of each Bank per CPU.
If this mode is used, a multiple of 4 identical modules has to be ordered.

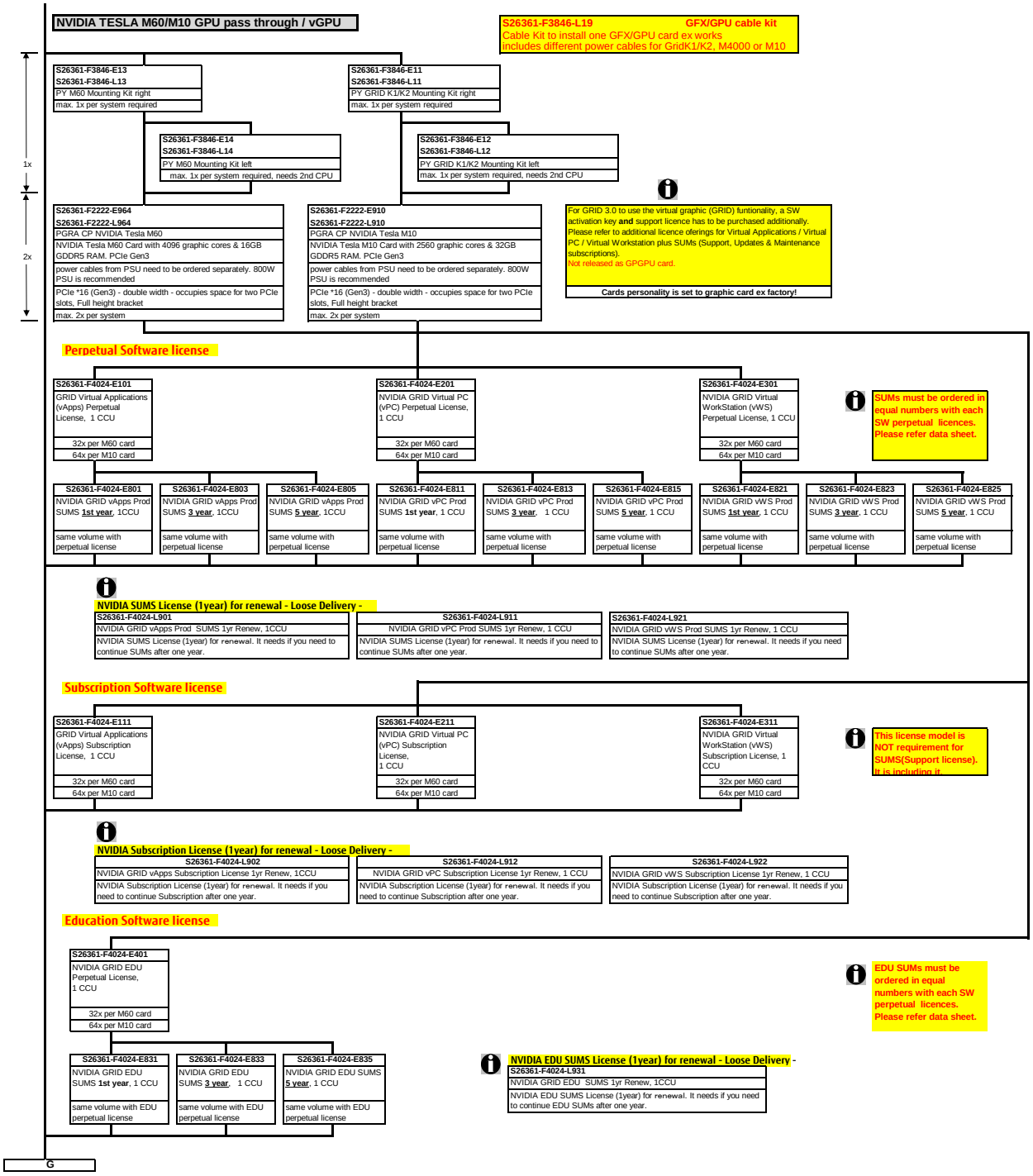
4. Rank Sparing Mode



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

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31




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
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
1x
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
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 olerings 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!
Perpetual Software license
S26361-F4024-E101
GRID Virtual Applications (vApps) Perpetual License, 1 CCU
32x per M60 card
64x per M10 card
S26361-F4024-E201
NVIDIA GRID Virtual PC (vPC) Perpetual License, 1 CCU
32x per M60 card
64x per M10 card
S26361-F4024-E301
NVIDIA GRID Virtual WorkStation (vWS) Perpetual License, 1 CCU
32x per M60 card
64x per M10 card
SUMs must be ordered in equal numbers with each SW perpetual licences. Please refer data sheet.
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
S26361-F4024-E805
NVIDIA GRID vApps Prod SUMS 5 year, 1CCU
same volume with perpetual license
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
S26361-F4024-E815
NVIDIA GRID vPC Prod SUMS 5 year, 1 CCU
same volume with perpetual license
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
S26361-F4024-E825
NVIDIA GRID vWS Prod SUMS 5 year, 1 CCU
same volume with perpetual license
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.
Subscription Software license
S26361-F4024-E111
GRID Virtual Applications (vApps) Subscription License, 1 CCU
32x per M60 card
64x per M10 card
S26361-F4024-E211
NVIDIA GRID Virtual PC (vPC) Subscription License, 1 CCU
32x per M60 card
64x per M10 card
S26361-F4024-E311
NVIDIA GRID Virtual WorkStation (vWS) Subscription License, 1 CCU
32x per M60 card
64x per M10 card
This license model is NOT requirement for SUMS(Support license). It is including it.
NVIDIA Subscription License (1year) for renewal - Loose Delivery -
S26361-F4024-L902
NVIDIA GRID vApps Subscription License 1yr Renew, 1CCU
NVIDIA Subscription License (1year) for renewal. It needs if you need to continue Subscription after one year.
S26361-F4024-L912
NVIDIA GRID vPC Subscription License 1yr Renew, 1 CCU
NVIDIA Subscription License (1year) for renewal. It needs if you need to continue Subscription after one year.
S26361-F4024-L922
NVIDIA GRID vWS Subscription License 1yr Renew, 1 CCU
NVIDIA Subscription License (1year) for renewal. It needs if you need to continue Subscription after one year.
Education Software license
S26361-F4024-E401
NVIDIA GRID EDU Perpetual License, 1 CCU
32x per M60 card
64x per M10 card
EDU SUMs must be ordered in equal numbers with each SW perpetual licences. Please refer data sheet.
S26361-F4024-E831
NVIDIA GRID EDU SUMS 1st year, 1 CCU
same volume with EDU perpetual license
S26361-F4024-E833
NVIDIA GRID EDU SUMS 3 year, 1 CCU
same volume with EDU perpetual license
S26361-F4024-E835
NVIDIA GRID EDU SUMS 5 year, 1 CCU
same volume with EDU perpetual license
NVIDIA EDU SUMS License (1year) for renewal - Loose Delivery -
S26361-F4024-L931
NVIDIA GRID EDU SUMS 1yr Renew, 1CCU
NVIDIA EDU SUMS License (1year) for renewal. It needs if you need to continue EDU SUMs after one year.
G

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31

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

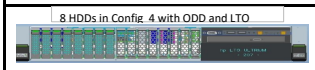
8 HDDs in Config 2 with ultraslim ODD

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!

12x HDDs for -V112, no ODD possible

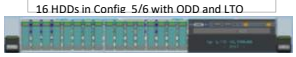
Basic unit S26361-K1566-V112 with 12x 3.5" HDDs	
Config 3: Up to 12x 3.5" HDD, no ODD	included
Available Upgrade kits for this configuration option:	
None	

8 HDDs in Config 4 with ODD and LTO



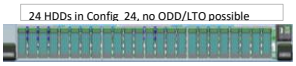
Basic unit S26361-K1566-V401 with	expandable
Config. 4: 8x 2.5" HDD bays	S26361-F2495-E440
Available Upgrade kits for this configuration option:	
Upgrade kit 4 to 16x 2.5" HDD	S26361-F2495-L445
Upgrade kit 4 to 24x 2.5" HDD	S26361-F2495-L442
Upgrade kit 4 to +4x PCIe SDD SFF	S26361-F2495-L448
Config. 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

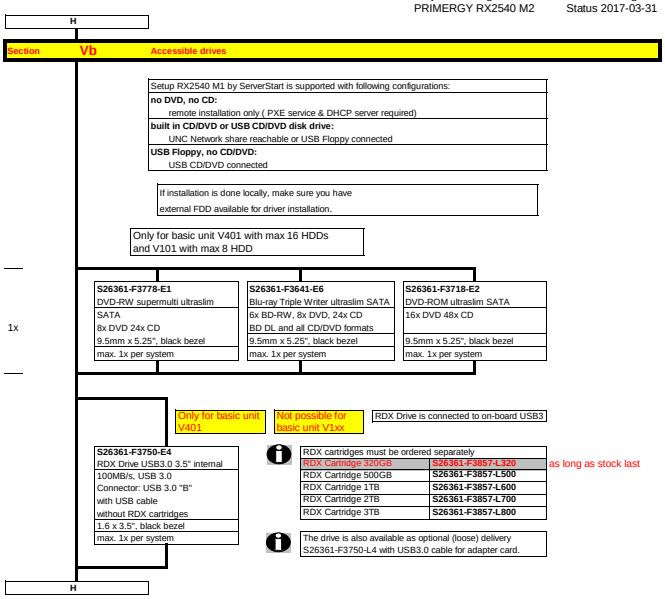
24 HDDs in Config 24, no ODD/LTO possible



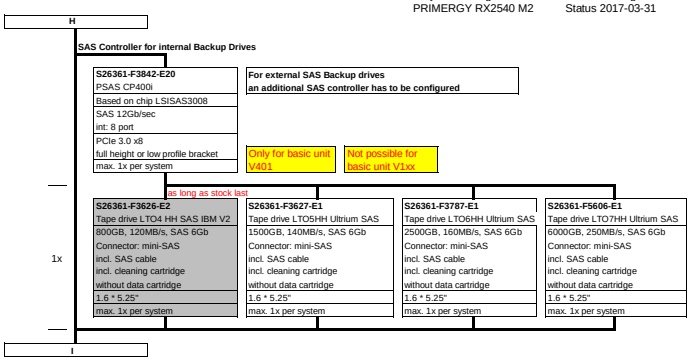
rear 2.5" SAS/SATA HDD/SSD SFF
rear 2.5" PCIe-SSD SFF

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 2 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 500GB S26361-F3857-L520 as long as stock last
RDX Cartridge 500GB S26361-F3857-L500
RDX Cartridge 1TB S26361-F3857-L600
RDX Cartridge 2TB S26361-F3857-L700
RDX Cartridge 3TB S26361-F3857-L800
The drive is also available as optional (loose) delivery S26361-F3750-L4 with USB3.0 cable for adapter card.
H

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31



I

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.

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

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

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
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	

not released for Japan/APAC

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
240GB, Enterprise (EP), 3DWPD (5y)	S26361-E5589-E240
480GB, Enterprise (EP), 3DWPD (5y)	S26361-E5589-E480
240GB, Enterprise (EP), 3.6DWPD (5y)	S26361-F5673-E240
480GB, Enterprise (EP), 3.6DWPD (5y)	S26361-F5673-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-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
800GB, Enterprise (EP), 3DWPD (5y)	S26361-F5662-E800
1.6TB, Enterprise (EP), 3DWPD (5y)	S26361-F5662-E160
3.2TB, Enterprise (EP), 2.3DWPD (5y)	S26361-F5662-E320
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
960GB, Enterprise (EP), 1DWPD (5y)	S26361-F5668-E960
1.92TB, Enterprise (EP), 1DWPD (5y)	S26361-F5668-E192
3.84TB, Enterprise (EP), 1DWPD (5y)	S26361-F5668-E384
max. 4x, 8x or 12x per System	

as soon as available

J

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31

J

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	
240GB, Enterprise (EP), 3.6DWPD (5y)	S26361-F5675-E240	
480GB, Enterprise (EP), 3.6DWPD (5y)	S26361-F5675-E480	as soon as available
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", 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
960GB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5670-E960
1.92TB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5670-E192
3.84TB, Enterprise (EP), Read-Intensive (1DWPD/5y)	S26361-F5670-E384
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
800GB, Enterprise (EP), 3DWPD (5y)	S26361-F5666-E800
1.6TB, Enterprise (EP), 3DWPD (5y)	S26361-F5666-E160
3.2TB, Enterprise (EP), 2.3DWPD (5y)	S26361-F5666-E320
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-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

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	

max 8/16/24x for V4xx

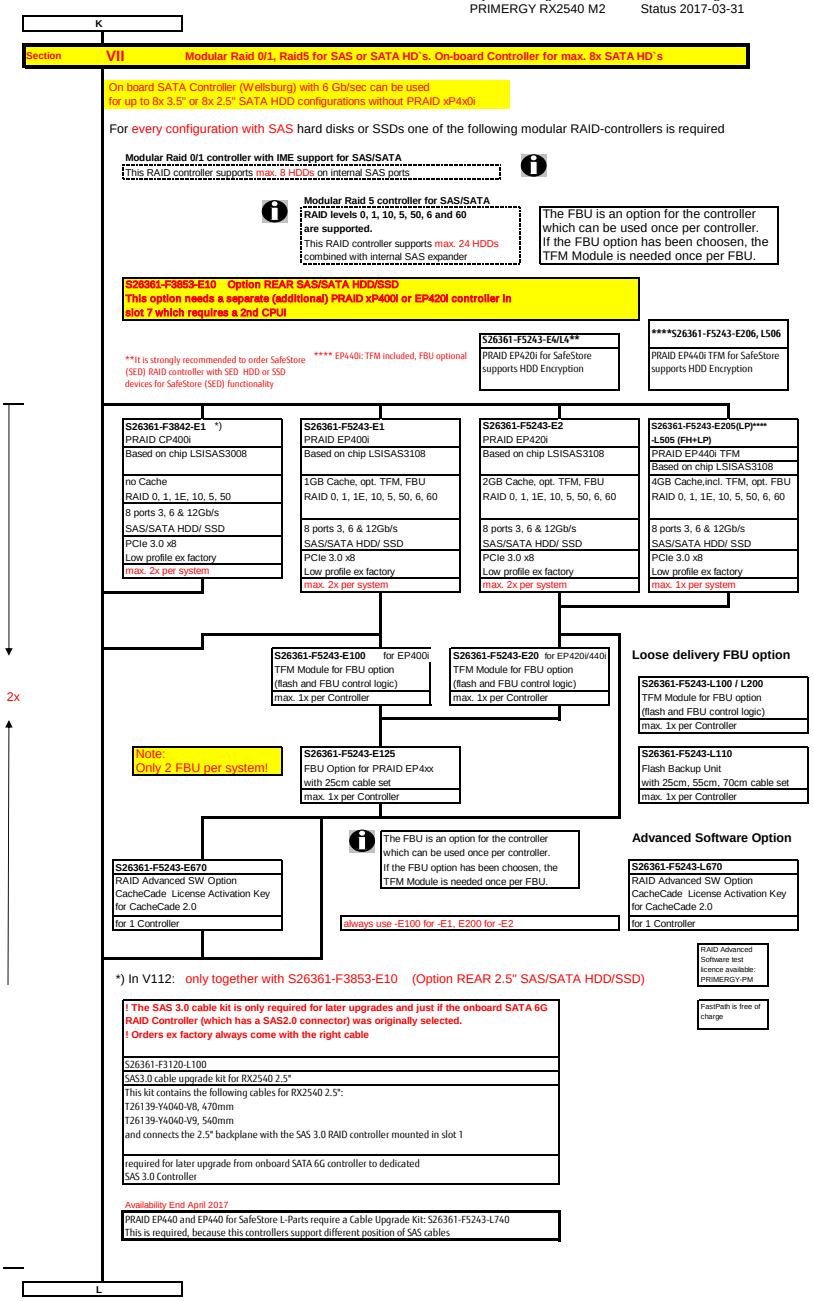
HDD SAS 12Gb/s 2.5" with hot plug/hot replace tray	
300GB, 10krpm, 128MB Cache, 512n	S26361-F5550-E130
600GB, 10krpm, 128MB Cache, 512n	S26361-F5550-E160
900GB, 10krpm, 128MB Cache, 512n	S26361-F5550-E190
1.2TB, 10krpm, 128MB Cache, 512n	S26361-F5550-E112
300GB, 10krpm, 128MB Cache, 512n, SED	S26361-F5581-E130
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	

K

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31



System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31

L

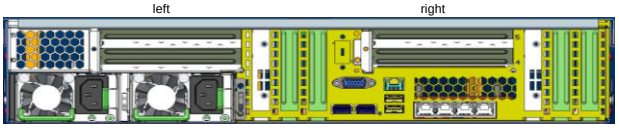
PCIe riser card options

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

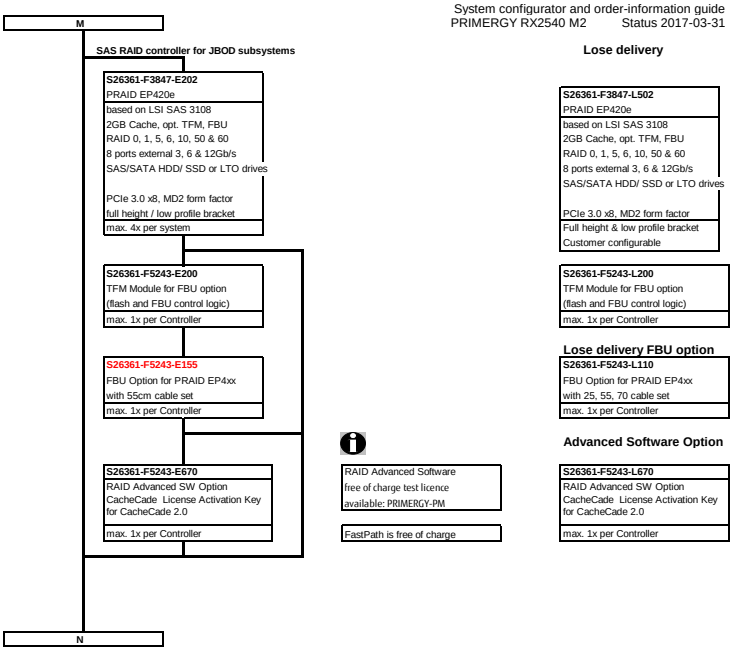
SAS controller internal

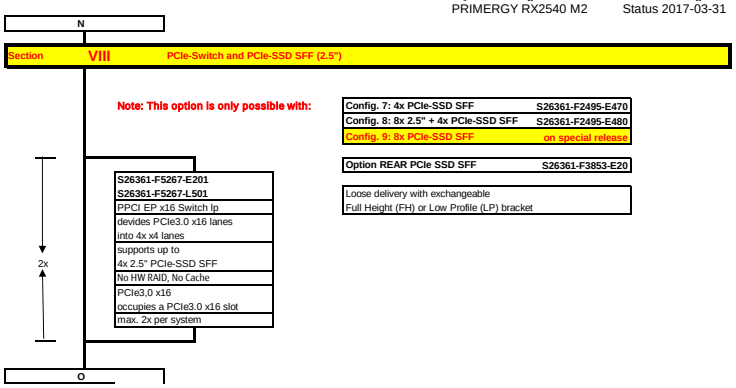
S26361-F3842-E2
PSAS CP400i
Based on chip LSISAS3008
8 ports 3, 6 & 12Gb/s SAS/SATA HDD/ SSD
PCIe 3.0 x8
full height or low profile bracket
max. 1x per system

Note:
Only 1x -E2 per PCIe riser option

M

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31




N
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
S26361-F5267-E201
S26361-F5267-L501
PPCI EP x16 Switch Ip
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
2x
O

O

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	2x SFP+ plugs for twinax or modules 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	S26361-F3989-E600	see table at the botton of this page
SFP+ active Twinax Cable Brocade	2x	(best fitting cable length is defined during rack installation at the factory)	S26361-F3873-E500	
SFP+ 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	S26361-F3989-E600	see table at the botton of this page
SFP+ active Twinax Cable Brocade	2x	(best fitting cable length is defined during rack installation at the factory)	S26361-F3873-E500	
SFP+ 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	future	future
SFP28 Twinax Cable Brocade	2x	(best fitting cable length is defined during rack installation at the factory)	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	S26361-F3989-E600	see table at the botton of this page
SFP+ active Twinax Cable Brocade	2x	(best fitting cable length is defined during rack installation at the factory)	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	S26361-F3986-E400	see table at the botton of this page
QSFP+ aktives Twinax Kabel Brocade	1x	(best fitting cable length is defined during rack installation at the factory)	S26361-F5317-E40	
max. 1x QSFP+ or Twinax Cable per controller				
max. 1 Controller per system				

P

P

Network cables for later upgrade

Fujitsu active SFP+ Twinax 10Gb cable	
SFP+ active Twinax Cable Fujitsu 2m	S26361-F3989-L102
SFP+ active Twinax Cable Fujitsu 5m	S26361-F3989-L105
SFP+ active Twinax Cable Fujitsu 10m	S26361-F3989-L110

Brocade active SFP+ Twinax 10Gb cable	
SFP+ active Twinax Cable Brocade 1m	S26361-F3873-L501
SFP+ active Twinax Cable Brocade 3m	S26361-F3873-L503
SFP+ active Twinax Cable Brocade 5m	S26361-F3873-L505

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 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

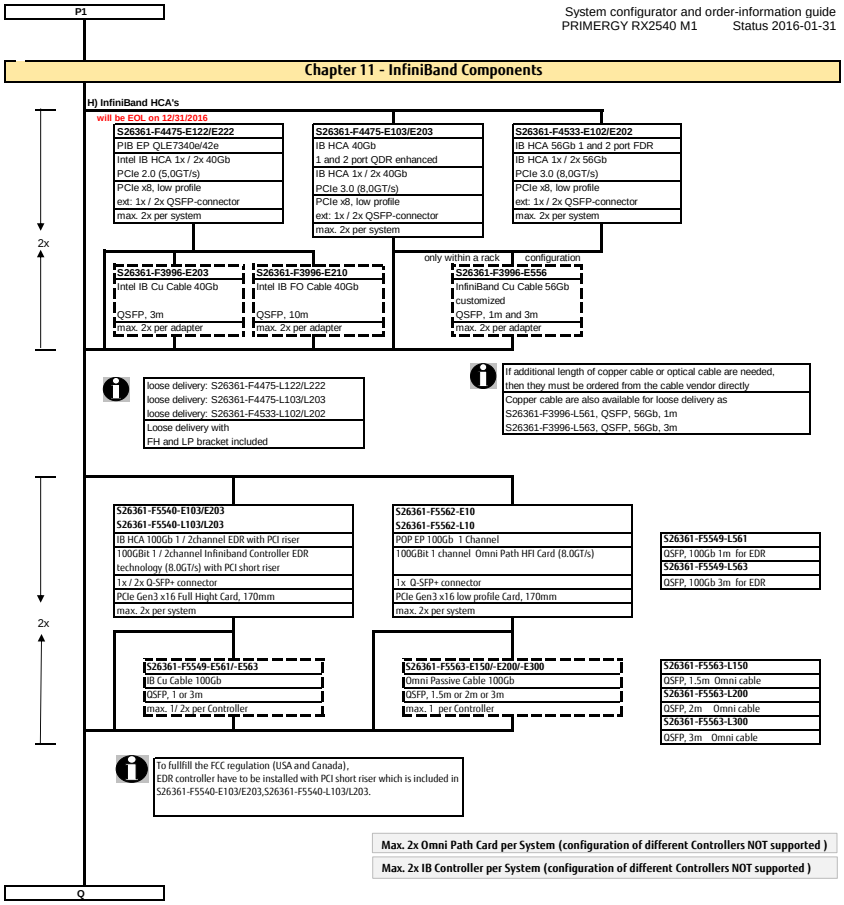
Chapter 10 - Fibre Channel Components

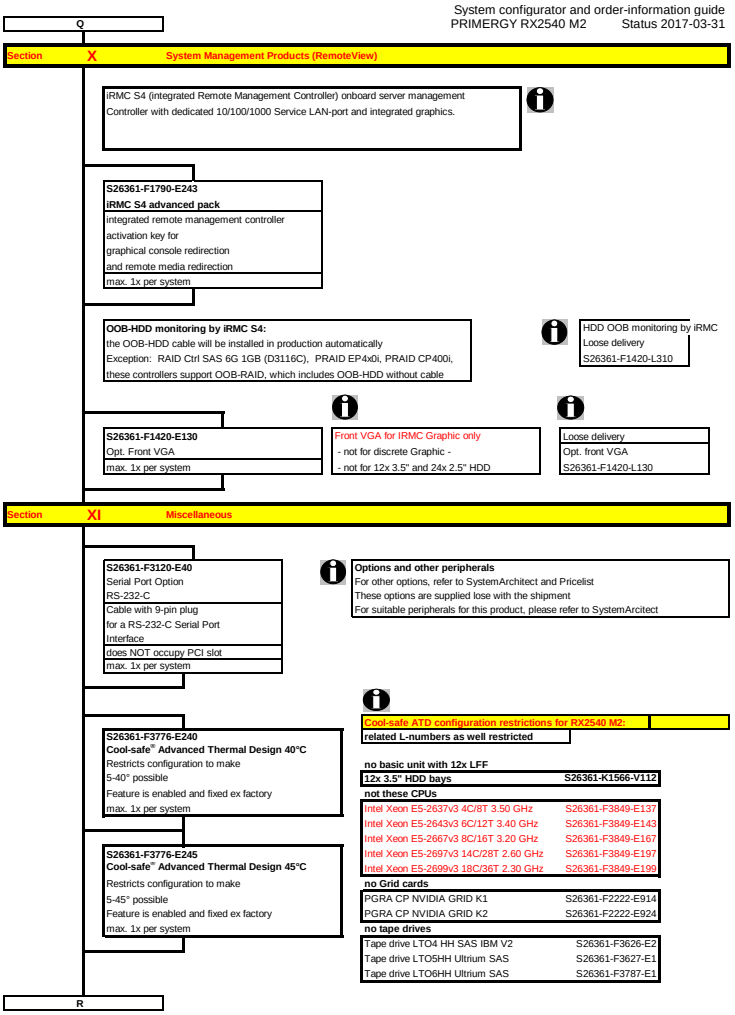
as soon as available, GA planned Q1/2017

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)				

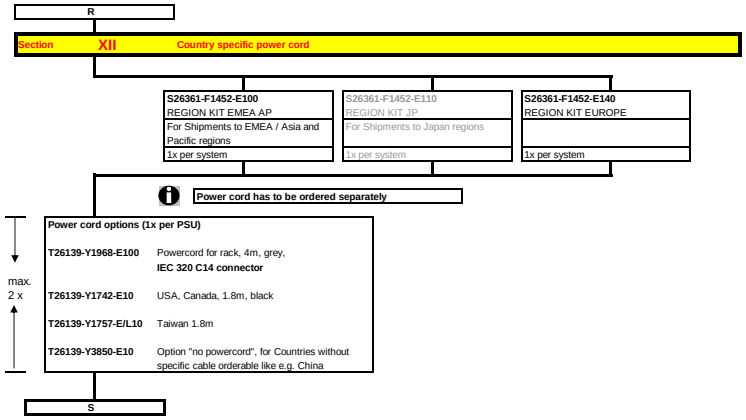
Please note that this PCIe cards have different order numbers:
-Ex for full height slots or -E20x for low profile slots!

P1


P1
System configurator and order-information guide
PRIMERGY RX2540 M1 Status 2016-01-31
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
only within a rack configuration
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
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)
Q


System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31
Q
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
Cool-safe ATD configuration restrictions for RX2540 M2:
related L-numbers as well restricted
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
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
R

System configurator and order-information guide
PRIMERGY RX2540 M2 Status 2017-03-31



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 2017-03-31

Group	Description	order code	Status LLC
	TBD		

Change Report

Date	Order number	Changes
2017-10-19	S26361-F5298/F5320/F5592/F5593-*	removed (EOL)
2017-09-05	S26361-F5534/F5546-*	removed (EOL)
2017-07-31	S26361-F4024-*	Modify Graphics- Options in "GFX & GPUs".
2017-07-24	S26361-F5673/F5675-*	added
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