

Dell EMC PowerEdge R6515 and R6415 server comparison matrix

The PowerEdge R6515 system has the following features compared with the R6415 system.

Feature	PowerEdge R6515	PowerEdge R6415
Processor	One AMD® EPYC™ Rome SP3 Processor with up to 64 cores	One AMD® EPYC™ Naples SP3 Processor with up to 32 cores
Memory		
DIMM Speed	Up to 3200MT/s	Up to 2666MT/s
Memory Type	RDIMM	RDIMM
	3DS LRDIMM	LRDIMM
Memory Module Slots	16 DDR4 DIMM slots	16 DDR4 DIMM slots
Maximum RAM	RDIMM 1TB	RDIMM 512GB
	LRDIMM 2TB	LRDIMM 1TB
Storage		
Front Bays	Up to 10 x 2.5" with up to 10 NVMe, SAS/SATA/NVMe (HDD/SSD)	Up to 10 x 2.5" with up to 10 NVMe, SAS/SATA/NVMe (HDD/SSD)
	Up to 8 x 2.5" SAS/SATA (HDD/SSD)	Up to 8 x 2.5" SAS/SATA (HDD/SSD)
	Up to 4 x 3.5" SAS/SATA (HDD)	Up to 4 x 3.5" SAS/SATA (HDD)
Storage Controllers		
Internal Controllers	PERC H330	PERC H330
	H730P	H730P
	H740P	H740P
	HBA330	HBA330
External Controllers	Non-RAID: H840	Non-RAID: H840
	RAID: 12Gbps SAS HBA	RAID: 12Gbps SAS HBA
Software RAID	S150	S140
Internal Boot	Boot Optimized Storage Subsystem (BOSS): HW RAID 2 x M.2 SSDs 120GB or 240GB	Boot Optimized Storage Subsystem (BOSS): HW RAID 2 x M.2 SSDs 120GB or 240GB
	Internal USB	Internal USB
	Internal Dual SD Module NOTE: ESXi (only OS supported)	Internal Dual SD Module NOTE: ESXi (only OS supported)
Operating Systems	Microsoft® Windows Server® 2016	Microsoft® Windows Server® 2016
	Microsoft® Windows Server® 2019	Microsoft® Windows Server® 2019
	Red Hat® Enterprise Linux	Red Hat® Enterprise Linux

Feature	PowerEdge R6515	PowerEdge R6415
	SUSE® Linux Enterprise Server	SUSE® Linux Enterprise Server
	VMware® vSphere	VMware® vSphere
Security	Cryptographically signed firmware	Cryptographically signed firmware
	Secure Boot	Secure Boot
	Secure Erase Secure Erase	Secure Erase
	Silicon Root of Trust	Silicon Root of Trust
	System Lockdown (requires OpenManage Enterprise)	System Lockdown (requires OpenManage Enterprise)
	TPM 1.2/2.0, TCM 2.0 (optional)	TPM 1.2/2.0, TCM 2.0 (optional)
Management		
Embedded/At-the-Server	iDRAC9	iDRAC9
	iDRAC RESTful API with Redfish	iDRAC RESTful API with Redfish
	iDRAC Direct	iDRAC Direct
	Quick Sync 2 BLE/wireless module	Quick Sync 2 BLE/wireless module
	Digital License Key	Digital License Key
	Easy Restore	Easy Restore
Consoles	OpenManage Enterprise	OpenManage Enterprise
	OpenManage Enterprise Power Manage	OpenManage Power Center
Mobility	OpenManage Mobile	OpenManage Mobile
Tools	Dell EMC RACADM CLI	Dell EMC RACADM CLI
	Dell EMC Repository Manager	Dell EMC Repository Manager
	Dell EMC System Update	Dell EMC System Update
	Dell EMC Server Update Utility	Dell EMC Server Update Utility
	Dell EMC Update Catalogs	Dell EMC Update Catalogs
	iDRAC Service Module	iDRAC Service Module
	IPMI Tool	IPMI Tool
	OpenManage Server Administrator	OpenManage Server Administrator
OpenManage Integrations	BMC Truesight	BMC Truesight
	Microsoft® System Center	Microsoft® System Center
	VMware® vCenter	VMware® vCenter
OpenManage Connections	Micro Focus® Operations Manager I	Micro Focus® Operations Manager I
	Nagios® Core	Nagios® Core
	Nagios® XI	Nagios® XI
Power Supply	550W AC Platinum	450W AC Bronze (cabled)
		550W AC Platinum
	Up to 6 standard or high performance fans (cabled)	Up to 6 standard fans (cabled)
Ports		
Network Options	2 x 1Gb Base-T	2 x 1Gb Base-T

Feature	PowerEdge R6515	PowerEdge R6415
	2 x 10Gb Base-T	2 x 10Gb Base-T
	2 x 10Gb SPF+	2 x 10Gb SPF+
	2 x 25Gb SPF+	2 x 25Gb SPF+
Front Ports	1 x Dedicated iDRAC micro-USB	1 x Dedicated iDRAC micro-USB
	1 x USB 2.0	1 x USB 2.0
	1 x VGA	1 x VGA
Rear Ports	2 x 1GE	2 x 1GE
	1 x Dedicated iDRAC network	1 x Dedicated iDRAC network
	1 x Serial	1 x Serial
	2 x USB 3.0	2 x USB 3.0
	1 x VGA	1 x VGA
Internal Ports	1 x USB 3.0	1 x USB 3.0
Slots		
PCIe	1 x Gen3 slots (1 x 16)	2 x Gen3 slots (2 x 16)
	1 x Gen4 slots (1 x 16)	
Video Card	1 x VGA	1 x VGA
Bezel	Optional LCD bezel or security bezel	Optional LCD bezel or security bezel
Form Factor	1U Rack Server	1U Rack Server
Dimensions and Weight		
Height	42.8mm (1.7")	42.8mm (1.7")
Width	434.0mm (17.08")	434.0mm (17.08")
Depth	657.25mm (25.87")	657.25mm (25.87")
Weight	16.75kg (36.92lbs)	16.91kg (37.28lbs)

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