

Dell EMC PowerEdge R340 and R330 server comparison matrix

The PowerEdge R340 system has the following features compared with the R330 system.

Feature	PowerEdge R340	PowerEdge R330
Processor	Intel® Xeon® E-2200 product family processor with up to 8 cores	Intel® Xeon® processor E3-1200 v6 product family with up to 4 cores
	Intel® Core i3® i3 9100 processor with up to 4 cores	Intel® Core i3® i3 processor with up to 2 cores
	Intel® Pentium® G5420 processor with up to 2 cores	Intel® Pentium® processor with up to 2 cores
	Intel® Celeron® G4930 processor with up to 2 cores	Intel® Celeron® processor with up to 2 cores
Chipset	Intel® C246 chipset	Intel® C236 chipset
Memory		
DIMM Speed	Up to 2666MT/s	Up to 2400MT/s
Memory Type	UDIMM	UDIMM
Memory Module Slots	4 DDR4 DIMM slots	4 DDR4 DIMM slots
Maximum RAM	UDIMM 64GB	UDIMM 64GB
Storage		
Front Bays	Up to 8 x 2.5" SAS/SATA (HDD/SSD), max 61.4TB	Up to 8 x 2.5" SAS/SATA (HDD), max 30.7TB
	Up to 4 x 3.5" SAS/SATA (HDD/SSD), max 56TB	Up to 4 x 3.5" SAS/SATA (HDD/SSD), max 56TB
Storage Controllers		
Internal Controllers	H330	H330
	H730P	H730
	HBA330	H830
External Controllers	12Gbps SAS HBA	12Gbps SAS HBA
Software RAID	S140	S130
Internal Boot	Boot Optimized Storage Subsystem (BOSS): HW RAID 2 x M.2 SSDs 240GB	NA
	Boot Optimized Storage Subsystem (BOSS): HW RAID 1 x M.2 SSD 240GB	
	Internal USB	Internal USB
	Internal Dual SD Module* NOTE: *ESXi (only OS supported)	Internal Dual SD Module* NOTE: *ESXi (only OS supported)

Feature	PowerEdge R340	PowerEdge R330
Operating Systems	Canonical® Ubuntu® LTS	Microsoft Windows Server® 2016
	Citrix® Hypervisor®	Microsoft® Windows Server® with Hyper-V
	Microsoft® Windows Server® LTSC with Hyper-V	Red Hat® Enterprise Linux
	Oracle Linux	SUSE® Linux Enterprise Server
	Red Hat® Enterprise Linux	VMware® ESXi®
	SUSE® Linux Enterprise Server	
	VMware® ESXi®	
Security	Cryptographically signed firmware	Cryptographically signed firmware
	Secure Boot	Secure Erase
	Secure Erase	System Lockdown (requires iDRAC)
	Silicon Root of Trust	TPM 1.2/2.0, TCM 2.0 optional
	System Lockdown (requires OpenManage Enterprise)	
	TPM 1.2/2.0, TCM 2.0 optional	
Management		
Embedded/At-the-Server	iDRAC9	iDRAC8 with Lifecycle Controller
	iDRAC Direct	iDRAC8 Express
	iDRAC RESTful API with Redfish	iDRAC8 Enterprise
Consoles	OpenManage Enterprise	OpenManage Enterprise
	OpenManage Enterprise Power Manager	OpenManage Enterprise Power Manager
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	Dell OpenManage Integration Suite for Microsoft® System Center
	Microsoft® System Center	
	RedHat® Ansible® Modules	Dell OpenManage Integration for VMware® vCenter®
	VMware® vCenter	
OpenManage Connections	IBM Tivoli® Netcool/OMNIBus	HP Operations Manager
	IBM Tivoli® Network Manager IP Edition	IBM Tivoli® Netcool®
	Micro Focus® Operations Manager I	CA Network and Systems Management
	Nagios® Core	Dell OpenManage Plug-in for Oracle® Database Manager

Feature	PowerEdge R340	PowerEdge R330
	Nagios® XI	
Power Supply	350W Platinum	Up to two 350W Platinum
	550W Platinum	
	Up to 4 fans with full redundancy	Up to 4 fans with full redundancy
Ports		
Network Options	2 x 1GbE LOM (standard)	2 x 1GbE LOM (standard)
	2 x 1GbE and 4 x 1GbE NIC (optional)	
	2 x 10GbE NIC (optional)	
Front Ports	1 x Dedicated iDRAC micro-USB	2 x USB 2.0
	1 x USB 2.0	
Rear Ports	2 x USB 3.0	2 x USB 3.0
	1 x Serial	
	1 x VGA	
Internal Ports	1 x USB 3.0	1 x USB 3.0
Slots		
PCIe	1 x Gen3 slot (1 x16)	1 x Gen3 slot (1 x16)
	1 x Gen3 slot (1 x8)	1 x Gen3 slot (1 x8)
Video Card	1 x VGA	1 x VGA
Bezel	Optional security Bezel	Optional security Bezel
Form Factor	Rack Server	Rack Server
Dimensions and Weight		
Height	42.80mm (1.68")	42.80mm (1.68")
Width	434.mm (17.1")	434.mm (17.1")
Depth	595.6mm (23.5")	625mm (24.60")
Weight	13.6kg (29.98lb)	13.6kg (29.98lb)

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