



Dell EMC PowerEdge R740 Servers Datasheet



Router-Switch.com
Leading Network Hardware Supplier

CONTENT

Content	1
Overview	2
Features	2
The Configuration	3
Configuration 1 - Intel® Xeon® Bronze 3204	3
Configuration 2 - Intel® Xeon® Silver 4216	8
Configuration 3 - Intel® Xeon® Silver 4208	12
Configuration 4 - Intel® Xeon® Gold 6240	17
Configuration 5 - Intel® Xeon® Silver 4210	21
Specification	26
Ordering information.....	28
Where to Buy	31
Sources.....	31

Contact Us

Tel: +1-626-239-8066 (USA) +852-3050-1066 / +852-3174-6166 /

Fax: +852-3050-1066 (Hong Kong)

Email: sales@router-switch.com (Sales Inquiries)

OVERVIEW

The [Dell PowerEdge R740 servers](#) are designed to accelerate application performance leveraging accelerator cards and storage scalability. The 2-socket, 2U platform has the optimum balance of resources to power the most demanding environments.

FEATURES

Expand and optimize application performance

The scalable business architecture of the R740 can scale up to three 300W or six 150W GPUs, or up to four FPGAs. With up to 16 2.5" drives or 8 3.5" drives the R740 provides the versatility to adapt to virtually any application and provides the perfect platform for VDI deployments.

- Scale your VDI deployments with 3 double-width GPUs, supporting up to 50% more users when compared to R730.
- Free up storage space using internal M.2 SSDs optimized for boot.
- Scale compute resources with Intel® Xeon® Scalable delivering a 27% increase in processing cores and 50% increase in bandwidth over previous generation of Xeon processors.



Automate systems management with OpenManage

The Dell EMC OpenManage™ portfolio helps deliver peak efficiency for PowerEdge servers, delivering intelligent, automated management of routine tasks. Combined with unique agent-free management capabilities, the R740 is simply managed, freeing up time for high profile projects.

- Simplify management with the New OpenManage Enterprise™ console, with customized reporting and automatic discovery.

- Take advantage of QuickSync 2 capabilities and gain access to your servers easily through your phone or tablet.



Rely on PowerEdge with built-in security

Every PowerEdge server is designed as part of a cyber resilient architecture, integrating security into the full server lifecycle. The R740 leverages new security features built-into every new PowerEdge server strengthening protection so you can reliably and securely deliver accurate data to your customers no matter where they are. By considering each aspect of system security, from design to retirement, Dell EMC ensures trust and delivers a worry-free, secure infrastructure without compromise.

- Rely on a secure component supply chain to ensure protection from factory to the data center.
- Maintain data safety with cryptographically signed firmware packages and Secure Boot.
- Prevent unauthorized or malicious change with Server Lockdown.
- Wipe all data from storage media including hard drives, SSDs and system memory quickly and securely with System Erase.

THE CONFIGURATION

Dell R740 series provides 5 based configurations.

Configuration 1 - Intel® Xeon® Bronze 3204

<p>Price Match Guarantee</p>	<p>Fully customizable: Intel® Xeon® Bronze 3204, Optional Operating System, 8GB Memory, 480GB Solid State Drive and a 3 Year Warranty</p>
-------------------------------------	--

Processor	Intel Xeon Bronze 3204 1.9G, 6C/6T, 9.6GT/s, 8.25M Cache, No Turbo, No HT (85W) DDR4-2133
Accelerators	Up to three 300W or six 150W GPUs Up to three double-width or four single-width FPGAs
Operating System	No Operating System
Memory	8GB RDIMM, 2666MT/s, Single Rank
RAID	C7, Unconfigured RAID for HDDs or SSDs (Mixed Drive Types Allowed)
Hard Drive	480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD, 876 TBW
Warranty	Basic Next Business Day 36 Months, 36 Month(s)
Extend Services	None
Chassis	Chassis with up to 8 x 2.5" SAS/SATA Hard Drives for 1CPU Configuration
Storage Controllers	Internal Controllers: PERC H330, H730P, H740P, HBA330 External Controllers: H840, 12Gbps SAS HBA Software RAID: S140 Internal Boot: Boot Optimized Storage Subsystem (BOSS): HWRAID 2 x M.2 SSDs 240GB, 480 GB Internal Dual SD Module
Power Supplies	495W Platinum 750W Platinum

	<p>750W 240VDCi Platinum</p> <p>1100W Platinum</p> <p>1100W -48VDC Gold</p> <p>1100W 380VDCi Platinum</p> <p>1600W Platinum</p> <p>2000W Platinum</p> <p>2400W Platinum</p> <p>750W Titanium</p> <p>Hot plug power supplies with full redundancy option</p> <p>Up to 6 hot plugs fans with full redundancy</p>
Dimension (H×W×D)	86.8mm (3.4") × 434.0mm (17.1") × 737.5mm (29.0")
Weight	28.6kg (63.0lbs.)
Bezel	Optional LCD bezel or security bezel
Security	<p>Cryptographically signed firmware</p> <p>Secure Boot</p> <p>Secure Erase</p> <p>Silicon Root of Trust</p> <p>System Lockdown (requires OpenManage Enterprise)</p> <p>TPM 1.2/2.0, TCM 2.0 optional</p>
Ports	<p>Network Options</p> <p>4 x 1GbE</p> <p>2 x 10GbE + 2 x 1GbE</p>

	<p>4 x 10GbE</p> <p>2 x 25GbE</p> <p>Front Ports</p> <p>1 x Dedicated iDRAC direct USB</p> <p>2 x USB 2.0</p> <p>1 x USB 3.0 (optional)</p> <p>1 x VGA</p> <p>Rear Ports</p> <p>1 x Dedicated iDRAC network port</p> <p>1 x Serial</p> <p>2 x USB 3.0</p> <p>1 x VGA</p>
Storage	<p>Front Bays</p> <p>Up to 16 x 2.5" SAS/SATA/SSD, max 122.88TB</p> <p>Up to 8 x 3.5" SAS/SATA, max 128TB</p>
Slots	<p>PCIe</p> <p>8 x Gen3 slots (all x16)</p> <p>Video Card</p> <p>1 x VGA</p>
Management	<p>Embedded / At-the-Server</p> <p>iDRAC9</p> <p>iDRAC RESTful API with Redfish</p>

	<p>iDRAC Direct</p> <p>Quick Sync 2 BLE/wireless module</p> <p>Consoles</p> <p>OpenManage Enterprise</p> <p>OpenManage Power Center</p> <p>Mobility</p> <p>OpenManage Mobile</p> <p>Tools</p> <p>Dell EMC RACADM CLI</p> <p>Dell EMC Repository Manager</p> <p>Dell EMC System Update</p> <p>Dell EMC Server Update Utility</p> <p>Dell EMC Update Catalogs</p> <p>iDRAC Service Module</p> <p>IPMI Tool</p> <p>OpenManage Server Administrator</p> <p>OpenManage Storage Services</p> <p>OpenManage Integrations</p> <p>BMC Truesight</p> <p>Microsoft® System Center</p> <p>RedHat® Ansible® Modules</p> <p>VMware® vCenter</p> <p>OpenManage Connections</p>
--	--

	<p>IBM Tivoli® Netcool/OMNIBus</p> <p>IBM Tivoli® Network Manager IP Edition</p> <p>Micro Focus® Operations Manager I</p> <p>Nagios® Core</p> <p>Nagios® XI</p>
--	---

Configuration 2 - Intel® Xeon® Silver 4216

Price Match Guarantee	Top Seller: Intel® Xeon® Silver 4216, Optional Operating System, 32GB Memory, 480GB Solid State Drive and a 3 Year Warranty
Processor	Intel Xeon Silver 4216 2.1G, 16C/32T, 9.6GT/s, 22M Cache, Turbo, HT (100W) DDR4-2400
Accelerators	<p>Up to three 300W or six 150W GPUs</p> <p>Up to three double-width or four single-width FPGAs</p>
Operating System	No Operating System
Memory	32GB RDIMM, 2933MT/s, Dual Rank
RAID	C7, Unconfigured RAID for HDDs or SSDs (Mixed Drive Types Allowed)
Hard Drive	480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD, 876 TBW
Warranty	Basic Next Business Day 36 Months, 36 Month(s)
Extend Services	None
Chassis	Chassis with up to 8 x 2.5" SAS/SATA Hard Drives for 1CPU Configuration

Storage Controllers	<p>Internal Controllers: PERC H330, H730P, H740P, HBA330</p> <p>External Controllers: H840, 12Gbps SAS HBA</p> <p>Software RAID: S140</p> <p>Internal Boot: Boot Optimized Storage Subsystem (BOSS):</p> <p>HWRAID 2 x M.2 SSDs 240GB, 480 GB</p> <p>Internal Dual SD Module</p>
Power Supplies	<p>495W Platinum</p> <p>750W Platinum</p> <p>750W 240VDCi Platinum</p> <p>1100W Platinum</p> <p>1100W -48VDC Gold</p> <p>1100W 380VDCi Platinum</p> <p>1600W Platinum</p> <p>2000W Platinum</p> <p>2400W Platinum</p> <p>750W Titanium</p> <p>Hot plug power supplies with full redundancy option</p> <p>Up to 6 hot plugs fans with full redundancy</p>
Dimension (H×W×D)	86.8mm (3.4") × 434.0mm (17.1") × 737.5mm (29.0")
Weight	28.6kg (63.0lbs.)
Bezel	Optional LCD bezel or security bezel

Security	<p>Cryptographically signed firmware</p> <p>Secure Boot</p> <p>Secure Erase</p> <p>Silicon Root of Trust</p> <p>System Lockdown (requires OpenManage Enterprise)</p> <p>TPM 1.2/2.0, TCM 2.0 optional</p>
Ports	<p>Network Options</p> <p>4 x 1GbE</p> <p>2 x 10GbE + 2 x 1GbE</p> <p>4 x 10GbE</p> <p>2 x 25GbE</p> <p>Front Ports</p> <p>1 x Dedicated iDRAC direct USB</p> <p>2 x USB 2.0</p> <p>1 x USB 3.0 (optional)</p> <p>1 x VGA</p> <p>Rear Ports</p> <p>1 x Dedicated iDRAC network port</p> <p>1 x Serial</p> <p>2 x USB 3.0</p> <p>1 x VGA</p>
Storage	Front Bays

	<p>Up to 16 x 2.5" SAS/SATA/SSD, max 122.88TB</p> <p>Up to 8 x 3.5" SAS/SATA, max 128TB</p>
Slots	<p>PCIe</p> <p>8 x Gen3 slots (all x16)</p> <p>Video Card</p> <p>1 x VGA</p>
Management	<p>Embedded / At-the-Server</p> <p>iDRAC9</p> <p>iDRAC RESTful API with Redfish</p> <p>iDRAC Direct</p> <p>Quick Sync 2 BLE/wireless module</p> <p>Consoles</p> <p>OpenManage Enterprise</p> <p>OpenManage Power Center</p> <p>Mobility</p> <p>OpenManage Mobile</p> <p>Tools</p> <p>Dell EMC RACADM CLI</p> <p>Dell EMC Repository Manager</p> <p>Dell EMC System Update</p> <p>Dell EMC Server Update Utility</p> <p>Dell EMC Update Catalogs</p>

	<p>iDRAC Service Module</p> <p>IPMI Tool</p> <p>OpenManage Server Administrator</p> <p>OpenManage Storage Services</p> <p>OpenManage Integrations</p> <p>BMC Truesight</p> <p>Microsoft® System Center</p> <p>RedHat® Ansible® Modules</p> <p>VMware® vCenter</p> <p>OpenManage Connections</p> <p>IBM Tivoli® Netcool/OMNIBus</p> <p>IBM Tivoli® Network Manager IP Edition</p> <p>Micro Focus® Operations Manager I</p> <p>Nagios® Core</p> <p>Nagios® XI</p>
--	---

Configuration 3 - Intel® Xeon® Silver 4208

Price Match Guarantee	Storage Optimized: Intel® Xeon® Silver 4208, Optional Operating System, 16GB Memory, 4TB NLSAS Hard Drive and a 3 Year ProSupport Warranty
Processor	Intel Xeon Silver 4208 2.1G, 8C/16T, 9.6GT/s, 11M Cache, Turbo, HT (85W) DDR4-2400
Accelerators	Up to three 300W or six 150W GPUs

	Up to three double-width or four single-width FPGAs
Operating System	No Operating System
Memory	16GB RDIMM, 2933MT/s, Dual Rank
RAID	C7, Unconfigured RAID for HDDs or SSDs (Mixed Drive Types Allowed)
Hard Drive	4TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive
Warranty	Basic Next Business Day 36 Months, 36 Month(s)
Extend Services	ProSupport and Next Business Day Onsite Service, 36 Month(s)
Chassis	Chassis with up to 8 x 2.5" SAS/SATA Hard Drives for 1CPU Configuration
Storage Controllers	Internal Controllers: PERC H330, H730P, H740P, HBA330 External Controllers: H840, 12Gbps SAS HBA Software RAID: S140 Internal Boot: Boot Optimized Storage Subsystem (BOSS): HWRAID 2 x M.2 SSDs 240GB, 480 GB Internal Dual SD Module
Power Supplies	495W Platinum 750W Platinum 750W 240VDCi Platinum 1100W Platinum 1100W -48VDC Gold 1100W 380VDCi Platinum

	<p>1600W Platinum</p> <p>2000W Platinum</p> <p>2400W Platinum</p> <p>750W Titanium</p> <p>Hot plug power supplies with full redundancy option</p> <p>Up to 6 hot plugs fans with full redundancy</p>
Dimension (H×W×D)	86.8mm (3.4") × 434.0mm (17.1") × 737.5mm (29.0")
Weight	28.6kg (63.0lbs.)
Bezel	Optional LCD bezel or security bezel
Security	<p>Cryptographically signed firmware</p> <p>Secure Boot</p> <p>Secure Erase</p> <p>Silicon Root of Trust</p> <p>System Lockdown (requires OpenManage Enterprise)</p> <p>TPM 1.2/2.0, TCM 2.0 optional</p>
Ports	<p>Network Options</p> <p>4 x 1GbE</p> <p>2 x 10GbE + 2 x 1GbE</p> <p>4 x 10GbE</p> <p>2 x 25GbE</p> <p>Front Ports</p> <p>1 x Dedicated iDRAC direct USB</p>

	<p>2 x USB 2.0</p> <p>1 x USB 3.0 (optional)</p> <p>1 x VGA</p> <p>Rear Ports</p> <p>1 x Dedicated iDRAC network port</p> <p>1 x Serial</p> <p>2 x USB 3.0</p> <p>1 x VGA</p>
Storage	<p>Front Bays</p> <p>Up to 16 x 2.5" SAS/SATA/SSD, max 122.88TB</p> <p>Up to 8 x 3.5" SAS/SATA, max 128TB</p>
Slots	<p>PCIe</p> <p>8 x Gen3 slots (all x16)</p> <p>Video Card</p> <p>1 x VGA</p>
Management	<p>Embedded / At-the-Server</p> <p>iDRAC9</p> <p>iDRAC RESTful API with Redfish</p> <p>iDRAC Direct</p> <p>Quick Sync 2 BLE/wireless module</p> <p>Consoles</p> <p>OpenManage Enterprise</p>

	OpenManage Power Center
	Mobility
	OpenManage Mobile
	Tools
	Dell EMC RACADM CLI
	Dell EMC Repository Manager
	Dell EMC System Update
	Dell EMC Server Update Utility
	Dell EMC Update Catalogs
	iDRAC Service Module
	IPMI Tool
	OpenManage Server Administrator
	OpenManage Storage Services
	OpenManage Integrations
	BMC Truesight
	Microsoft® System Center
	RedHat® Ansible® Modules
	VMware® vCenter
	OpenManage Connections
	IBM Tivoli® Netcool/OMNIbus
	IBM Tivoli® Network Manager IP Edition
	Micro Focus® Operations Manager I
	Nagios® Core

	Nagios® XI
--	------------

Configuration 4 - Intel® Xeon® Gold 6240

Price Match Guarantee	ProSupport Included: Intel® Xeon® Gold 6240, Optional Operating System, 32GB Memory, 480GB Solid State Drive and 3 Years ProSupport
Processor	Intel® Xeon® Gold 6240 2.6G, 18C/36T, 10.4GT/s, 24.75M Cache, Turbo, HT (150W) DDR4-2933
Accelerators	Up to three 300W or six 150W GPUs Up to three double-width or four single-width FPGAs
Operating System	No Operating System
Memory	32GB RDIMM, 2933MT/s, Dual Rank
RAID	C7, Unconfigured RAID for HDDs or SSDs (Mixed Drive Types Allowed)
Hard Drive	480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD, 876 TBW
Warranty	Basic Next Business Day 36 Months, 36 Month(s)
Extend Services	ProSupport and Next Business Day Onsite Service, 36 Month(s)
Chassis	Chassis with up to 8 x 2.5" SAS/SATA Hard Drives for 1CPU Configuration
Storage Controllers	Internal Controllers: PERC H330, H730P, H740P, HBA330 External Controllers: H840, 12Gbps SAS HBA Software RAID: S140

	<p>Internal Boot: Boot Optimized Storage Subsystem (BOSS):</p> <p>HWRAID 2 x M.2 SSDs 240GB, 480 GB</p> <p>Internal Dual SD Module</p>
Power Supplies	<p>495W Platinum</p> <p>750W Platinum</p> <p>750W 240VDCi Platinum</p> <p>1100W Platinum</p> <p>1100W -48VDC Gold</p> <p>1100W 380VDCi Platinum</p> <p>1600W Platinum</p> <p>2000W Platinum</p> <p>2400W Platinum</p> <p>750W Titanium</p> <p>Hot plug power supplies with full redundancy option</p> <p>Up to 6 hot plugs fans with full redundancy</p>
Dimension (H×W×D)	86.8mm (3.4") × 434.0mm (17.1") × 737.5mm (29.0")
Weight	28.6kg (63.0lbs.)
Bezel	Optional LCD bezel or security bezel
Security	<p>Cryptographically signed firmware</p> <p>Secure Boot</p> <p>Secure Erase</p> <p>Silicon Root of Trust</p>

	<p>System Lockdown (requires OpenManage Enterprise)</p> <p>TPM 1.2/2.0, TCM 2.0 optional</p>
Ports	<p>Network Options</p> <p>4 x 1GbE</p> <p>2 x 10GbE + 2 x 1GbE</p> <p>4 x 10GbE</p> <p>2 x 25GbE</p> <p>Front Ports</p> <p>1 x Dedicated iDRAC direct USB</p> <p>2 x USB 2.0</p> <p>1 x USB 3.0 (optional)</p> <p>1 x VGA</p> <p>Rear Ports</p> <p>1 x Dedicated iDRAC network port</p> <p>1 x Serial</p> <p>2 x USB 3.0</p> <p>1 x VGA</p>
Storage	<p>Front Bays</p> <p>Up to 16 x 2.5" SAS/SATA/SSD, max 122.88TB</p> <p>Up to 8 x 3.5" SAS/SATA, max 128TB</p>
Slots	<p>PCIe</p> <p>8 x Gen3 slots (all x16)</p>

	<p>Video Card</p> <p>1 x VGA</p>
<p>Management</p>	<p>Embedded / At-the-Server</p> <p>iDRAC9</p> <p>iDRAC RESTful API with Redfish</p> <p>iDRAC Direct</p> <p>Quick Sync 2 BLE/wireless module</p> <p>Consoles</p> <p>OpenManage Enterprise</p> <p>OpenManage Power Center</p> <p>Mobility</p> <p>OpenManage Mobile</p> <p>Tools</p> <p>Dell EMC RACADM CLI</p> <p>Dell EMC Repository Manager</p> <p>Dell EMC System Update</p> <p>Dell EMC Server Update Utility</p> <p>Dell EMC Update Catalogs</p> <p>iDRAC Service Module</p> <p>IPMI Tool</p> <p>OpenManage Server Administrator</p> <p>OpenManage Storage Services</p>

	<p>OpenManage Integrations</p> <p>BMC Truesight</p> <p>Microsoft® System Center</p> <p>RedHat® Ansible® Modules</p> <p>VMware® vCenter</p> <p>OpenManage Connections</p> <p>IBM Tivoli® Netcool/OMNIBus</p> <p>IBM Tivoli® Network Manager IP Edition</p> <p>Micro Focus® Operations Manager I</p> <p>Nagios® Core</p> <p>Nagios® XI</p>
--	--

Configuration 5 - Intel® Xeon® Silver 4210

Price Match Guarantee	Top Seller: Intel® Xeon® Silver 4210, Optional Operating System, 16GB Memory, 2.4TB Hard Drive, and a 3-year warranty.
Processor	Intel Xeon Silver 4210 2.2G, 10C/20T, 9.6GT/s, 13.75M Cache, Turbo, HT (85W) DDR4-2400
Accelerators	Up to three 300W or six 150W GPUs Up to three double-width or four single-width FPGAs
Operating System	No Operating System
Memory	8GB RDIMM, 2666MT/s, Single Rank
RAID	C7, Unconfigured RAID for HDDs or SSDs (Mixed Drive Types Allowed)

Hard Drive	1.2TB 10K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive
Warranty	Basic Next Business Day 36 Months, 36 Month(s)
Extend Services	None
Chassis	Chassis with up to 8 x 2.5" SAS/SATA Hard Drives for 1CPU Configuration
Storage Controllers	<p>Internal Controllers: PERC H330, H730P, H740P, HBA330</p> <p>External Controllers: H840, 12Gbps SAS HBA</p> <p>Software RAID: S140</p> <p>Internal Boot: Boot Optimized Storage Subsystem (BOSS):</p> <p>HWRAID 2 x M.2 SSDs 240GB, 480 GB</p> <p>Internal Dual SD Module</p>
Power Supplies	<p>495W Platinum</p> <p>750W Platinum</p> <p>750W 240VDCi Platinum</p> <p>1100W Platinum</p> <p>1100W -48VDC Gold</p> <p>1100W 380VDCi Platinum</p> <p>1600W Platinum</p> <p>2000W Platinum</p> <p>2400W Platinum</p> <p>750W Titanium</p> <p>Hot plug power supplies with full redundancy option</p>

	Up to 6 hot plugs fans with full redundancy
Dimension (H×W×D)	86.8mm (3.4") × 434.0mm (17.1") × 737.5mm (29.0")
Weight	28.6kg (63.0lbs.)
Bezel	Optional LCD bezel or security bezel
Security	<p>Cryptographically signed firmware</p> <p>Secure Boot</p> <p>Secure Erase</p> <p>Silicon Root of Trust</p> <p>System Lockdown (requires OpenManage Enterprise)</p> <p>TPM 1.2/2.0, TCM 2.0 optional</p>
Ports	<p>Network Options</p> <p>4 x 1GbE</p> <p>2 x 10GbE + 2 x 1GbE</p> <p>4 x 10GbE</p> <p>2 x 25GbE</p> <p>Front Ports</p> <p>1 x Dedicated iDRAC direct USB</p> <p>2 x USB 2.0</p> <p>1 x USB 3.0 (optional)</p> <p>1 x VGA</p> <p>Rear Ports</p> <p>1 x Dedicated iDRAC network port</p>

	<p>1 x Serial</p> <p>2 x USB 3.0</p> <p>1 x VGA</p>
Storage	<p>Front Bays</p> <p>Up to 16 x 2.5" SAS/SATA/SSD, max 122.88TB</p> <p>Up to 8 x 3.5" SAS/SATA, max 128TB</p>
Slots	<p>PCIe</p> <p>8 x Gen3 slots (all x16)</p> <p>Video Card</p> <p>1 x VGA</p>
Management	<p>Embedded / At-the-Server</p> <p>iDRAC9</p> <p>iDRAC RESTful API with Redfish</p> <p>iDRAC Direct</p> <p>Quick Sync 2 BLE/wireless module</p> <p>Consoles</p> <p>OpenManage Enterprise</p> <p>OpenManage Power Center</p> <p>Mobility</p> <p>OpenManage Mobile</p> <p>Tools</p> <p>Dell EMC RACADM CLI</p>

Dell EMC Repository Manager
Dell EMC System Update
Dell EMC Server Update Utility
Dell EMC Update Catalogs
iDRAC Service Module
IPMI Tool
OpenManage Server Administrator
OpenManage Storage Services
OpenManage Integrations
BMC Truesight
Microsoft® System Center
RedHat® Ansible® Modules
VMware® vCenter
OpenManage Connections
IBM Tivoli® Netcool/OMNIBus
IBM Tivoli® Network Manager IP Edition
Micro Focus® Operations Manager I
Nagios® Core
Nagios® XI

SPECIFICATION

Specification	Dell PowerEdge R740 Server
Processor	Up to two Intel® Xeon® Scalable processors, up to 28 cores per processor
Accelerators	Up to three 300W or six 150W GPUs, or up to four FPGAs. Nvidia Tesla P100, K80, K40, Grid M60, M10, P4, Quadro P4000, NVIDIA V100, or Intel Arria® 10GX FPGA
Memory	24 DDR4 DIMM slots, Supports RDIMM /LRDIMM, speeds up to 2666MT/s, 3TB max Up to 12 NVDIMM, 192 GB Max Supports registered ECC DDR4 DIMMs only
Drive Bays	Front drive bays: Up to 16 x 2.5" SAS/SATA (HDD/SSD) max 61TB or up to 8 x 3.5" SAS/SATA HDD max 96TB Optional DVD-ROM, DVD+RW
Storage Controllers	Internal controllers: PERC H330, H730p, H740p, Software RAID (SWRAID) S140 Boot Optimized Storage Subsystem: HWRAID 2 x M.2 SSDs 120GB, 240 GB External PERC (RAID): H840 12Gbps SAS HBAs (non-RAID): External- 12 Gbps SAS HBA (non-RAID), Internal- HBA330 (non-RAID)
Power Supplies	495W Platinum 750W Platinum 750W 240VDCi Platinum

	<p>1100W Platinum</p> <p>1100W -48VDC Gold</p> <p>1100W 380VDCi Platinum</p> <p>1600W Platinum</p> <p>2000W Platinum</p> <p>2400W Platinum</p> <p>750W Titanium</p> <p>Hot plug power supplies with full redundancy option</p> <p>Up to 6 hot plugs fans with full redundancy</p>
Dimension (H×W×D)	<p>Form factor: Rack (2U)</p> <p>86.8mm (3.4") × 434.0mm (17.1") × 737.5mm (29.0")</p>
Weight	<p>28.6kg (63.0lbs.)</p>
Security	<p>TPM 1.2/2.0 optional</p> <p>Cryptographically signed firmware</p> <p>Secure Boot</p> <p>System Lockdown</p> <p>Secure erase</p>
I/O & Ports	<p>Network daughter card options</p> <p>4 x 1GE or 2 x 10GE + 2 x 1GE or 4 x 10GE or 2 x 25GE</p> <p>Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated iDRAC Direct Micro-USB</p> <p>Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port</p>

	<p>Video card: VGA</p> <p>Riser options with up to 8 PCIe Gen 3 slots, maximum of 4 x 16 slots</p>
--	--

ORDERING INFORMATION

Configured Models

[Dell PowerEdge R740 Server, 2U Chassis, 3104*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 2.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 3106*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 2.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 4110*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 2.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 4114*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 2.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 5115*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 2.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 5118*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 2.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 3104*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 3.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 3106*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 3.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 4110*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 3.5inch Hard Drive-8](#)

[Dell PowerEdge R740 Server, 2U Chassis, 4114*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 3.5inch Hard Drive-8](#)

<u>Dell PowerEdge R740 Server, 2U Chassis, 5115*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 3.5inch Hard Drive-8</u>
<u>Dell PowerEdge R740 Server, 2U Chassis, 5118*1 Processor, 8G*1 Memory, 600G SAS 10K*1, H330, DVD, 495W*1 Power Supply, 3.5inch Hard Drive-8</u>
<u>DELL R740 Bronze 3204*2/2*16GB DDR4 2666/3*600GB SAS 2.5 10K/H330/DVD/4*1GE/495W</u>
<u>DELL R740 Silver 4210*2/8*16GB DDR4 2666/4*1.2T SAS 2.5 10K/H330/DVD/4*1GE/495W*2</u>
<u>Dell 2U R740 3204 (6 core, 6 thread, 1.90 GHz, 8.25 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/2.5-8</u>
<u>Dell 2U R740 4208 (8 core, 16 thread, 2.10 GHz, 11 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/2.5-8</u>
<u>Dell 2U R740 4210 (10 core, 20 thread, 2.20 GHz, 13.75 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/2.5-8</u>
<u>Dell 2U R740 4214 (12 core, 24 thread, 2.20 GHz, 16.5 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/2.5-8</u>
<u>Dell 2U R740 4216 (16 core, 32 thread, 2.10 GHz, 22 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/2.5-8</u>
<u>Dell 2U R740 5218 (16 core, 32 thread, 2.30 GHz, 22 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/2.5-8</u>
<u>Dell 2U R740 3204 (6 core, 6 thread, 1.90 GHz, 8.25 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/3.5-8</u>
<u>Dell 2U R740 4208 (8 core, 16 thread, 2.10 GHz, 11 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/3.5-8</u>
<u>Dell 2U R740 4210 (10 core, 20 thread, 2.20 GHz, 13.75 MB)/8G*1/600G SAS 10K*1/H330/DVD/750W*1/3.5-8</u>

[Dell 2U R740 4214 \(12 core, 24 thread, 2.20 GHz, 16.5 MB\)/8G*1/600G SAS
10K*1/H330/DVD/750W*1/3.5-8](#)

[Dell 2U R740 4216 \(16 core, 32 thread, 2.10 GHz, 22 MB\)/8G*1/600G SAS
10K*1/H330/DVD/750W*1/3.5-8](#)

[Dell 2U R740 5218 \(16 core, 32 thread, 2.30 GHz, 22 MB\)/8G*1/600G SAS
10K*1/H330/DVD/750W*1/3.5-8](#)

[Dell 2U R740 4210R \(10 Core, 20 Thread, 2.4 GHz, 13.75MB\)/8G*1/600G SAS
10K*1/H330/DVD/750W*1/3.5-8](#)

[Dell 2U R740 5218R \(20 Core, 40 Thread, 2.1 GHz, 27.5MB\)/8G*1/600G SAS
10K*1/H330/DVD/750W*1/3.5-8](#)

WHERE TO BUY

Want to buy this series of products? please contact:

- Tel: +1-626-239-8066 (USA) +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: sales@router-switch.com (Sales Inquiries)

Or visit: [Dell PowerEdge R740 Servers](#)

About us

Router-switch.com, founded in 2002, is one of the biggest Global Network Hardware Supplier. We are a leading provider of network products with 18,000+ customers in over 200 countries. We provide original new and used network equipments ([Cisco](#), [Huawei](#), [HPE](#), [Dell](#), [Juniper](#), [Fortinet](#), [Dahua](#), etc.), including Routers, Switches, Servers, Storage, Telepresence and Videoconferencing, IP Phones, Firewalls, IP Cameras, Wireless APs & Controllers, EHWIC/HWIC/VWIC Cards, SFPs, Memory & Flash, Hard Disk, Cables, and all kinds of network solutions related products.

SOURCES

<https://www.dell.com/en-us/work/shop/productdetailstxn/poweredge-r740>