

Quick Reference Guide

Dell PowerEdge rack servers help you build a modern infrastructure that minimizes IT challenges and drives business success. Our Quick Reference Guide (QRG) includes a condensed view of our entire rack server portfolio.

| Rack Server                    | R470                                                                                                                                                                                                                               | R570                                                                                                                                                                                                                               | R670                                                                                                                                                                              | R770                                                                                                                                                                                             | R770AP                                                                                                                                                                                                                                                                                    | R6715                                                                               | R7715                                                                                                            | R6725                                                                                               | R7725                                                                                                 | R7725xd                                                                             | R4715                                                                                                 | R5715                                                                                                 |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|                                |                                                                                                                                                   |                                                                                                                                                   |                                                                                                  |                                                                                                                |                                                                                                                                                                                                        |  |                               |                  |                    |  |                    |                    |
| Key attributes                 | Purpose-built to maximize efficiency and affordability with optimized single-socket servers, delivering power-packed performance for cloud scale web and app microservices, data services, virtualization, and scale-out database. | Purpose-built to maximize efficiency and affordability with optimized single-socket servers, delivering power-packed performance for cloud scale web and app microservices, data services, virtualization, and scale-out database. | Open ecosystem optimized for compute workloads and designed to optimize power and balance performance for high-density deployments, cloud-native applications, and all-flash SDS. | Open ecosystem optimized for compute workloads and provides maximum performance with optimized power for virtualization and microservices, cloud-native applications, and large-scale analytics. | Purpose-built for enterprise environments that demand both performance and reliability. It delivers the scale to run massive workloads, the efficiency to control operational costs, and the security to protect critical data—making it a foundational server for enterprise innovation. | Right-size memory and storage density                                               | Enhanced performance and value                                                                                   | Breakthrough performance density                                                                    | Breakthrough performance that scales                                                                  | Designed to support Storage Dense workloads                                         | Designed to deliver strong performance, flexibility, and efficiency for small and mid-size businesses | Designed to deliver strong performance, flexibility, and efficiency for small and mid-size businesses |
| Target workloads               | Virtualization, Scale-out database, Big Data and Analytics, High Performance Compute, and Edge Compute                                                                                                                             | Medium-density Virtualization, Scale-out Databases, Big Data and Analytics, VDI, High Performance Compute, and Software-defined Storage.                                                                                           | Virtualization, Cloud-native applications, All-flash SDS, Hyperscale workloads, and Scale out Databases                                                                           | Virtualization, Artificial Intelligence Inferencing, Cloud-native applications, Hyperscale workloads, and Scale out Databases                                                                    | High Performance Computing (HPC), Next-Level Virtualization, and Data-Intensive Analytics                                                                                                                                                                                                 | Data analytics, Dense virtualization, and Software defined storage                  | Data analytics, Dense virtualization, and Software defined storage                                               | High Performance Computing (HPC), Virtual Desktop Infrastructure (VDI), and Virtualization          | High Performance Computing (HPC), Virtual Desktop Infrastructure (VDI), and Virtualization            | Object Storage                                                                      | Data Analytics, Virtualization, Scale-Out Databases, Edge Compute                                     | Virtualization, Medium VM density or VDI, Retail Video Surveillance, Data Analytics                   |
| Type of processor              | 1 x Intel® Xeon® 6 E-core processor with up to 144 cores or<br>1 x Intel® Xeon® 6 P-core processor with up to 86 cores with R1S option                                                                                             |                                                                                                                                                                                                                                    | 2 x Intel® Xeon® 6 E-core processor with up to 144 cores or<br>2 x Intel® Xeon® 6 P-core processor with up to 86 cores                                                            |                                                                                                                                                                                                  | 2 x Intel® Xeon® 6 6900-series processors with P-Cores with up to 128 cores                                                                                                                                                                                                               | 1 x AMD EPYC™ 5th Generation 9005 Series Processor, up to 160 cores                 |                                                                                                                  | 2 x AMD EPYC™ 5th Generation 9005 Series Processor, up to 192 cores                                 |                                                                                                       | 2 x AMD EPYC™ 5th Generation 9005 Series Processor, up to 192 cores                 | 1 x AMD EPYC™ 5th Generation 9005 Series Processor, up to 32 cores                                    |                                                                                                       |
| DDR5 DIMM slots (max capacity) | 16 (4 TB)                                                                                                                                                                                                                          | 16 (4 TB)                                                                                                                                                                                                                          | 32 (8 TB)                                                                                                                                                                         |                                                                                                                                                                                                  | 24 (3 TB)                                                                                                                                                                                                                                                                                 | 24 (6 TB)                                                                           | 24 (6 TB)                                                                                                        | 24 (6 TB)                                                                                           | 24 (6 TB)                                                                                             | 24 (3 TB)                                                                           | 24 (1.5 TB)                                                                                           | 24 (1.5 TB)                                                                                           |
| Disk drives up to:             | 4 x 3.5"<br>8 x 2.5"<br>10 x 2.5"<br>8 x E3.S / 16 x E3.S<br>2 x E3.S (Rear)                                                                                                                                                       | 8 x 2.5"<br>12 x 3.5"<br>16 x 2.5"<br>24 x 2.5"<br>8 x E3.S / 16 x E3.S / 32 x E3.S<br>4 x E3.S (Rear)                                                                                                                             | 8 x 2.5"<br>10 x 2.5"<br>8 x E3.S / 16 x E3.S / 20 x E3.S<br>2 x E3.S (Rear)                                                                                                      | 8 x 2.5"<br>16 x 2.5"<br>24 x 2.5"<br>8 x E3.S / 16 x E3.S (FIO Config)<br>32 x E3.S / 40 x E3.S<br>4 x E3.S (Rear)                                                                              | 8 x 2.5"<br>16 x 2.5"<br>32 x E3.S                                                                                                                                                                                                                                                        | 4 x 3.5"<br>8 x 2.5" / U.2<br>10 x 2.5"<br>16 x E3.S / 20 x E3.S<br>2 x E3.S (Rear) | 2 x U.2<br>8 x 2.5" / U.2<br>12 x 3.5"<br>16 x 2.5"<br>24 x 2.5"<br>8 x E3.S / 16 x E3.S / 32 x E3.S / 40 x E3.S | 4 x 3.5"<br>4 x U.2<br>8 x 2.5"<br>10 x 2.5"<br>8 x E3.S / 16 x E3.S / 20 x E3.S<br>2 x E3.S (Rear) | 8 x 2.5" / U.2<br>12 x 3.5"<br>16 x 2.5"<br>24 x 2.5"<br>8 x E3.S / 16 x E3.S / 32 x E3.S / 40 x E3.S | 24 x 2.5" U.2 Gen5                                                                  | 4 x 3.5"<br>8 x 2.5" / U.2                                                                            | 12 x 3.5"<br>16 x 2.5"                                                                                |
| NVMe drives up to:             | 16                                                                                                                                                                                                                                 | 32                                                                                                                                                                                                                                 | 22                                                                                                                                                                                | 44                                                                                                                                                                                               | 32                                                                                                                                                                                                                                                                                        | 22                                                                                  | 40                                                                                                               | 22                                                                                                  | 40                                                                                                    | 24                                                                                  | 8                                                                                                     | N/A                                                                                                   |
| Gen5 PCIe slots up to:         | 4                                                                                                                                                                                                                                  | 4                                                                                                                                                                                                                                  | 3                                                                                                                                                                                 | 8                                                                                                                                                                                                | 5                                                                                                                                                                                                                                                                                         | 3                                                                                   | 8                                                                                                                | 3                                                                                                   | 8                                                                                                     | 5*                                                                                  | 3                                                                                                     | 4                                                                                                     |

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| Rack Server                | R470                                                                                                                                                                                                                                                                                                                                     | R570                        | R670        | R770                        | R770AP | R6715                                                                                                                                                                                                                                                                                                                                                                      | R7715                       | R6725       | R7725                       | R7725xd | R4715 | R5715 |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|-----------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|-----------------------------|---------|-------|-------|
| Gen4 PCIe slots up to:     | N/A                                                                                                                                                                                                                                                                                                                                      | N/A                         | N/A         | N/A                         | N/A    | N/A                                                                                                                                                                                                                                                                                                                                                                        | N/A                         | N/A         | N/A                         | N/A     | N/A   | N/A   |
| Accelerator support up to: | 4 x 75 W SW                                                                                                                                                                                                                                                                                                                              | 3 x 400 W DW or 4 x 75 W SW | 3 x 75 W SW | 2 x 450 W DW or 6 x 75 W SW | N/A    | 3 x 75 W SW                                                                                                                                                                                                                                                                                                                                                                | 3 x 450 W DW or 6 x 75 W SW | 3 x 75 W SW | 2 x 450 W DW or 6 x 75 W SW | N/A     |       |       |
| Rack height (U)            | 1                                                                                                                                                                                                                                                                                                                                        | 2                           | 1           | 2                           | 2      | 1                                                                                                                                                                                                                                                                                                                                                                          | 2                           | 1           | 2                           | 2       |       |       |
| Integrated security        | Cryptographically signed firmware, Data at Rest Encryption (SEDs with local or external key mgmt), Secure Boot, Secured Component Verification (Hardware integrity check), Silicon Root of Trust, Secure Erase, System Lockdown (requires iDRAC10 Enterprise or Datacenter), TPM 2.0 FIPS, CC-TCG certified, Chassis Intrusion Detection |                             |             |                             |        | Cryptographically Signed Firmware, Data at Rest Encryption (SED with local or external key mgmt), Secure Boot, Secured Component Verification (Hardware integrity check), Secure Erase, Silicon Root of Trust, System Lockdown, TPM 2.0 FIPS, CC-TCG certified, AMD Secure Memory Encryption (SME), AMD Secure Encrypted Virtualization (SEV), Chassis Intrusion Detection |                             |             |                             |         |       |       |

Note: \*Features marked with an asterisk (\*) may not be available at product launch. Please refer to the product configurator page on Dell.com to confirm feature availability.

| Rack Server                    | R760                                                                                                                                                                                                                                                                                                                                                                                               | R660                                                                                               | R7625                                                                                                                | R6625                                                                                                                                                                                                                                                                                    | R7615                                                                                                                | R6615                                                                                             | R660xs                                                                                                                                                                                                                                                                                                                                                                                             | R760xs                                                                              | HS5610***                                                                                                                                                           | HS5620***                                                                           |
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|                                |                                                                                                                                                                                                                                                                                                                   |                   |                                     |                                                                                                                                                                                                       |                                   |                |                                                                                                                                                                                                                                                                                                                 |  |                                                                                  |  |
| Key attributes                 | Provides performance and versatility for demanding applications                                                                                                                                                                                                                                                                                                                                    | Provides performance and versatility for demanding applications                                    | Breakthrough performance                                                                                             | Breakthrough performance                                                                                                                                                                                                                                                                 | Powerful performance and scalability                                                                                 | Peak performance and excellent TCO                                                                | Right-sized for the most popular IT applications                                                                                                                                                                                                                                                                                                                                                   | Right-sized for the most popular IT applications                                    | Open ecosystem optimized for compute workloads                                                                                                                      | Open ecosystem optimized for storage dense workloads                                |
| Target workloads               | Mixed Workload standardization Database and Analytics Virtual Desktop Infrastructure                                                                                                                                                                                                                                                                                                               | High Density Virtualization, Dense Database Analytics, Mixed Workload Standardization              | High Performance Computing (HPC), Virtual Desktop Infrastructure (VDI), Virtualization                               | High Performance Computing (HPC), Virtual Desktop Infrastructure (VDI), Virtualization                                                                                                                                                                                                   | Software-Defined Storage (SDS), Virtualization, Data Analytics                                                       | Virtualization, Hyper-Converged Infrastructure (HCI), Network Functions Virtualization (NFV)      | Virtualization, Cloud, Scale-Out Database, High Performance Compute (HPC)                                                                                                                                                                                                                                                                                                                          | Virtualization, Software-Defined Storage, Medium density VM or VDI                  | Virtualization, Scale-out database, Software-Defined Storage Node                                                                                                   | Virtualization, Medium VM Density or VDI, Software-Defined Storage Node             |
| Type of processor              | 2 x 4th Generation Intel® Xeon® Scalable processors; up to 56 cores per processor or<br>2 x 5th Generation Intel® Xeon® Scalable processors; up to 64 cores per processor                                                                                                                                                                                                                          |                                                                                                    | 2 x AMD EPYC™ 4th Generation 9004 Series Processor, up to 128 cores per processor                                    |                                                                                                                                                                                                                                                                                          | 1 x AMD EPYC™ 4th Generation 9004 series processor, up to 128 cores                                                  |                                                                                                   | 2 x 5th generation Intel® Xeon® Scalable processors with up to 28 cores or<br>2 x 4th Generation Intel® Xeon® Scalable processors with up to 32 cores per processor                                                                                                                                                                                                                                |                                                                                     | 2 x 5th generation Intel® Xeon® Scalable processors with up to 32 cores or<br>2 x 4th Generation Intel® Xeon® Scalable processors with up to 32 cores per processor |                                                                                     |
| DDR5 DIMM slots (max capacity) | 32 (8 TB)                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                    | 24 (6 TB)                                                                                                            |                                                                                                                                                                                                                                                                                          | 12 (3 TB)                                                                                                            |                                                                                                   | 16 (1.5 TB)                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     | 16 (2 TB)                                                                                                                                                           |                                                                                     |
| Disk drives up to:             | 12 x 3.5"<br>8 x 2.5"<br>16 x 2.5"<br>24 x 2.5"<br>16 x E3.S<br>2 x 2.5" (rear)<br>4 x 2.5" (rear)<br>4 x E3.S (rear)                                                                                                                                                                                                                                                                              | 8 x 2.5"<br>10 x 2.5"<br>10 x 2.5"<br>14 x E3.S<br>16 x E3.S<br>2 x 2.5" (rear)<br>2 x E3.S (rear) | 8 x 3.5"<br>12 x 3.5"<br>8 x 2.5"<br>16 x 2.5"<br>24 x 2.5"<br>2 x 2.5" (rear)<br>4 x 2.5" (rear)<br>4 x E3.S (rear) | 4 x 3.5"<br>8 x 2.5"<br>10 x 2.5"<br>14 x E3.S<br>16 x E3.S<br>2 x 2.5" (rear)<br>2 x E3.S (rear)                                                                                                                                                                                        | 8 x 3.5"<br>12 x 3.5"<br>8 x 2.5"<br>16 x 2.5"<br>24 x 2.5"<br>2 x 2.5" (rear)<br>4 x 2.5" (rear)<br>4 x E3.S (rear) | 4 x 3.5"<br>8 x 2.5"<br>10 x 2.5"<br>14 x E3.S<br>16 x E3.S<br>2 x 2.5" (rear)<br>2 x E3.S (rear) | 4 x 3.5"<br>8 x 2.5"<br>10 x 2.5"<br>2 x 2.5" (rear)                                                                                                                                                                                                                                                                                                                                               | 12 x 3.5"<br>8 x 3.5"<br>8 x 2.5"<br>16 x 2.5" + 8 x NVMe<br>2 x 2.5" (rear)        | 4 x 3.5"<br>8 x 2.5"<br>6 x NVMe<br>10 x 2.5"<br>2 x 2.5" (rear)                                                                                                    | 12 x 3.5"<br>8 x 3.5"<br>8 x 2.5"<br>16 x 2.5" + 8 x NVMe<br>2 x 2.5" (rear)        |
| NVMe drives up to:             | 24                                                                                                                                                                                                                                                                                                                                                                                                 | 10                                                                                                 | 24                                                                                                                   | 10                                                                                                                                                                                                                                                                                       | 24                                                                                                                   | 10                                                                                                | 10                                                                                                                                                                                                                                                                                                                                                                                                 | 8                                                                                   | 10                                                                                                                                                                  | 8                                                                                   |
| Gen5 PCIe slots up to:         | 4                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                                  | 4                                                                                                                    | 2                                                                                                                                                                                                                                                                                        | 4                                                                                                                    | 2                                                                                                 | 2                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                   | 2                                                                                                                                                                   | 2                                                                                   |
| Gen4 PCIe slots up to:         | 8                                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                  | 8                                                                                                                    | 3                                                                                                                                                                                                                                                                                        | 4                                                                                                                    | 3                                                                                                 | 3                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                                   | 3                                                                                                                                                                   | 4                                                                                   |
| Accelerator support up to:     | 2 x 350 W DW or 6 x 75 W SW                                                                                                                                                                                                                                                                                                                                                                        | 3 x 75 W SW                                                                                        | 2 x 300 W DW or 6 x 75 W SW                                                                                          | 3 x 75 W SW                                                                                                                                                                                                                                                                              | 3 x 300 W DW or 6 x 75 W SW                                                                                          | 3 x 75 W SW                                                                                       | N/A                                                                                                                                                                                                                                                                                                                                                                                                | 2 x 75 W SW                                                                         | N/A                                                                                                                                                                 | 2 x 75 W SW                                                                         |
| Rack height (U)                | 2                                                                                                                                                                                                                                                                                                                                                                                                  | 1                                                                                                  | 2                                                                                                                    | 1                                                                                                                                                                                                                                                                                        | 2                                                                                                                    | 1                                                                                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                   | 1                                                                                                                                                                   | 2                                                                                   |
| Integrated security            | TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, Secure Boot being standard security, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), Data at Rest Encryption (SEDs with local or external key mgmt) Secured Component Verification (Hardware integrity check) and System Erase on all racks. |                                                                                                    |                                                                                                                      | TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Secure Boot, Secure Erase, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), AMD Secure Memory Encryption (SME) and AMD Secure Encrypted Virtualization (SEV) |                                                                                                                      |                                                                                                   | TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, Secure Boot being standard security, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), Data at Rest Encryption (SEDs with local or external key mgmt) Secured Component Verification (Hardware integrity check) and System Erase on all racks. |                                                                                     |                                                                                                                                                                     |                                                                                     |

Note: \*Features marked with an asterisk (\*) may not be available at product launch. Please refer to the product configurator page on Dell.com to confirm feature availability.

\*\*\* HS560 and HS5620 are offered exclusively through the Hyperscale Next program for select customers

# Dell PowerEdge Rack Servers

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| Rack Server                    | R960                                                                                                                                                                                                                                                                                                                                                                                               | R860                                                                               | R760xa                                                                                                                                                                 | R760xd2                                                                                                                                                                | R360                                                                                                                                                                    | R260                                                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                                                                                                                                                                                                                                                                                                                   |  |                                                                                     |                                                                                     |                                                                                      |                                                                                          |
| Key attributes                 | Extreme acceleration for business continuity and scale out                                                                                                                                                                                                                                                                                                                                         | Power business-critical, core workloads with high-density compute                  | High performance, scalable server for intensive GPU applications                                                                                                       | Dense storage, faster retrieval and scalability                                                                                                                        | Streamlined productivity, high-enterprise GPU, and powerful compute to address common business applications.                                                            | Short-depth rack server with filter bezel for Near-Edge customers featuring the latest Intel® Xeon® 6300 Series processors, DDR5 memory, NVMe BOSS, and Energy Star 4.0 PSU |
| Target workloads               | Large in-memory databases, Data analytics, AI and virtualization, Virtual Desktop Infrastructure (VDI)                                                                                                                                                                                                                                                                                             |                                                                                    | AI/ML/DL training and inferencing<br>Digital Twins, render graphics<br>Virtualization and VDI graphics                                                                 | File and object storage, Video capturing & surveillance, Video streaming                                                                                               | Collaboration and Sharing, Mail and Messaging, Database                                                                                                                 | Collaboration and Sharing, Mail and Messaging, Near-Edge Applications                                                                                                       |
| Type of processor              | 4 x 4th Generation Intel®Xeon® Scalable processors; up to 60 cores per processor and with optional Intel® QuickAssist Technology                                                                                                                                                                                                                                                                   |                                                                                    | 2 x 4th Generation Intel® Xeon® Scalable processors; up to 56 cores per processor or 2 x 5th Generation Intel® Xeon® Scalable processors; up to 64 cores per processor | 2 x 4th Generation Intel® Xeon® Scalable processors; up to 32 cores per processor or 2 x 5th Generation Intel® Xeon® Scalable processors; up to 28 cores per processor | 1 x Intel® Xeon® 6300 Series processor with up to 8 cores, or 1 x Intel® Xeon® E-2400 Series processor with up to 8 cores, or 1 x Intel® Pentium processor with 2 cores | 1 x Intel® Xeon® 6300 Series processor with up to 8 cores, or 1 x Intel® Xeon® E-2400 Series processor with up to 8 cores, or 1 x Intel® Pentium processor with 2 cores     |
| DDR5 DIMM slots (max capacity) | 64 (16 TB)                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    | 32 (8 TB)                                                                                                                                                              | 16 (1.5TB)                                                                                                                                                             | 4 (128 GB)                                                                                                                                                              | 4 (128 GB)                                                                                                                                                                  |
| Disk drives up to:             | 8 x 2.5"<br>16 x 2.5"<br>24 x 2.5"<br>32 x 2.5"<br>16 x E3.S<br>8 x 2.5" + 16 x E3.S                                                                                                                                                                                                                                                                                                               | 8 x 2.5"<br>16 x 2.5"<br>24 x 2.5"<br>8 x E3.S<br>2 x 2.5" (rear)                  | 6 x 2.5"<br>8 x 2.5"<br>6 x E3.S                                                                                                                                       | 12 x 3.5" (Front bay) + 12 x 3.5" (Mid bay)<br>2 x 2.5" or 4 x 2.5" or 4 x 3.5" or 4 x E3.S (rear)                                                                     | 4 x 3.5"<br>8 x 2.5"<br>6x 2.5" SAS/SATA + 2x 2.5" NVMe                                                                                                                 | 2 x 3.5"<br>6 x 2.5"<br>4 x 2.5" Chip SATA SSD (SW RAID)<br>4 x 2.5" Chip SATA+2 x 2.5" NVMe (SW RAID)<br>4 x 2.5" SAS/SATA+2 x 2.5" NVMe (HW RAID)                         |
| NVMe drives up to:             | 24                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                    | 8                                                                                                                                                                      | 4                                                                                                                                                                      | 2                                                                                                                                                                       | 2                                                                                                                                                                           |
| Gen5 PCIe slots up to:         | 12                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                    | 12                                                                                                                                                                     | N/A                                                                                                                                                                    | 2                                                                                                                                                                       | N/A                                                                                                                                                                         |
| Gen4 PCIe slots up to:         | N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                    | N/A                                                                                                                                                                    | 5                                                                                                                                                                      | 2                                                                                                                                                                       | 2                                                                                                                                                                           |
| Accelerator support up to:     | 4 x 400 W DW                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                    | 4 x 400 W DW or 12 x 75 W SW                                                                                                                                           | 2 x 75 W SW , 1 x 75 W SW + 1 x 150 W SW or 1 x 180 W DW                                                                                                               | 1 x 60 W SW                                                                                                                                                             | N/A                                                                                                                                                                         |
| Rack height (U)                | 4                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                    | 2                                                                                                                                                                      | 2                                                                                                                                                                      | 1                                                                                                                                                                       | 1                                                                                                                                                                           |
| Integrated security            | TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, Secure Boot being standard security, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), Data at Rest Encryption (SEDs with local or external key mgmt) Secured Component Verification (Hardware integrity check) and System Erase on all racks. |                                                                                    |                                                                                                                                                                        |                                                                                                                                                                        |                                                                                                                                                                         |                                                                                                                                                                             |

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| Rack Server                    | XE7745                                                                                                                                                                                                                                                                                                                                                                                       | XE7740                                                                                                                                                                                                                                                                                                                                    | XE9680L                                                                                                                                                                                                                                                                                                    | XE9685L                                                                                                                                                                                                                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                         |                                                                                                                                                                                                                         |
| Key attributes                 | Purpose-built for AI inferencing, model fine-tuning, and high-performance computing, the internal GPU slots are paired with eight additional Gen 5.0 PCIe slots for network connectivity, creating dense, flexible configurations with twice the DW PCIe GPU capacity compared to the Dell PowerEdge R760xa                                                                                  | Purpose-built for AI inferencing, model fine-tuning, and high-performance computing, the internal GPU slots are paired with eight additional Gen 5.0 PCIe slots for network connectivity, creating dense, flexible configurations with twice the DW PCIe GPU capacity compared to the Dell PowerEdge R760xa                               | Unmatched AI training and HPC performance with direct liquid cooled CPUs and GPUs in a 4U form factor                                                                                                                                                                                                      | Unmatched AI training and HPC performance with direct liquid cooled CPUs and GPUs in a 4U form factor                                                                                                                                                                                                      |
| Target workloads               | Gen AI fine-tuning, Gen AI inferencing, Natural language processing, digital twins, and agentic AI                                                                                                                                                                                                                                                                                           | Gen AI fine-tuning, Gen AI inferencing, Natural language processing, digital twins, and agentic AI                                                                                                                                                                                                                                        | AI training, LLM training, Fine-Tuning, and large-scale LLM inferencing                                                                                                                                                                                                                                    | AI training, LLM training, Fine-Tuning, and large-scale LLM inferencing                                                                                                                                                                                                                                    |
| Type of processor              | 2 x 5th Generation AMD EPYC™ 9005 Series processors; up to 192 cores per processor                                                                                                                                                                                                                                                                                                           | Two Intel® Xeon® 6 series processors with up to 144 cores per processor                                                                                                                                                                                                                                                                   | 2 x 5th Generation Intel® Xeon® Scalable processors; up to 64 cores per processor                                                                                                                                                                                                                          | 2 x 5th Generation AMD EPYC™ 9005 Series processors; up to 192 cores per processor                                                                                                                                                                                                                         |
| DDR5 DIMM slots (max capacity) | 24 (3 TB)                                                                                                                                                                                                                                                                                                                                                                                    | 32 (4 TB)                                                                                                                                                                                                                                                                                                                                 | 32 (4 TB)                                                                                                                                                                                                                                                                                                  | 24 (3 TB)                                                                                                                                                                                                                                                                                                  |
| Disk drives up to:             | 8 x E3.S                                                                                                                                                                                                                                                                                                                                                                                     | 8 x E3.S                                                                                                                                                                                                                                                                                                                                  | 8 x 2.5"                                                                                                                                                                                                                                                                                                   | 8 x 2.5"                                                                                                                                                                                                                                                                                                   |
| NVMe drives up to:             | NA                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                                                                                                                                                                                                                                                                                       | 8                                                                                                                                                                                                                                                                                                          | 8                                                                                                                                                                                                                                                                                                          |
| Gen5 PCIe slots up to:         | 8                                                                                                                                                                                                                                                                                                                                                                                            | 8                                                                                                                                                                                                                                                                                                                                         | 12                                                                                                                                                                                                                                                                                                         | 12                                                                                                                                                                                                                                                                                                         |
| Gen4 PCIe slots up to:         | N/A                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                                                                                        | N/A                                                                                                                                                                                                                                                                                                        |
| Accelerator support up to:     | 8 x 600 W SW or<br>16 x 75 W SW                                                                                                                                                                                                                                                                                                                                                              | 8 x 600 W SW or<br>16 x 75 W SW                                                                                                                                                                                                                                                                                                           | 8 x NVIDIA HGX B200 180GB 1000W SXM6 GPUs, fully interconnected with NVIDIA NVLink technology                                                                                                                                                                                                              | 8 x NVIDIA HGX B200 180GB 1000W SXM6 GPUs, fully interconnected with NVIDIA NVLink technology                                                                                                                                                                                                              |
| Rack height (U)                | 4                                                                                                                                                                                                                                                                                                                                                                                            | 4                                                                                                                                                                                                                                                                                                                                         | 4                                                                                                                                                                                                                                                                                                          | 4                                                                                                                                                                                                                                                                                                          |
| Integrated Rack                | N/A                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                                                                                                                                                                                                                                                                                                       | IR5000 required                                                                                                                                                                                                                                                                                            | IR5000 required                                                                                                                                                                                                                                                                                            |
| Integrated security            | Cryptographically signed firmware, Data at Rest Encryption (SEDs with local or external key mgmt)*, Secure Boot, Secured Component Verification (Hardware integrity check), Secure Erase, Silicon Root of Trust, System Lockdown (requires iDRAC10 Enterprise or Datacenter)*, TPM 2.0 FIPS, CC-TCG certified, AMD Secure Memory Encryption (SME), AMD Secure Encrypted Virtualization (SEV) | Chassis Intrusion Detection, Cryptographically signed firmware, Data at Rest Encryption (SEDs with local or external key mgmt)*, Secure Boot, Secured Component Verification (Hardware integrity check), Secure Erase, Silicon Root of Trust, System Lockdown (requires iDRAC10 Enterprise or Datacenter), TPM 2.0 FIPS, CC-TCG certified | Cryptographically signed firmware, Data at Rest Encryption (SEDs with local or external key mgmt), Secure Boot, Secured Component Verification (Hardware integrity check), Secure Erase, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), TPM 2.0 FIPS, CC-TCG certified | Cryptographically signed firmware, Data at Rest Encryption (SEDs with local or external key mgmt), Secure Boot, Secured Component Verification (Hardware integrity check), Secure Erase, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), TPM 2.0 FIPS, CC-TCG certified |

Note: \*Features marked with an asterisk (\*) may not be available at product launch. Please refer to the product configurator page on Dell.com to confirm feature availability.

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| Rack Server                    | XE9680                                                                                                                                                                                                                                                                                                                                                                                             | XE9640                                                                                                                                                                 | XE8640                                                                                                                                                                 | XR7620                                                                                                                                                                 | XR5610                                                                                                                                                                 |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                                                                                                                                                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Key attributes                 | No-compromise accelerated AI training performance, Flexibility to choose H100 GPUs, 6U 2-socket with support up to 35C ambient                                                                                                                                                                                                                                                                     | Density optimized AI and HPC performance with direct liquid cooled CPUs and GPUs in a 2U form factor                                                                   | Faster ML/DL training and HPC performance, 4U 2-socket server, up to 35C ambient, standard rack depth                                                                  | Edge-optimized high-performance, high-capacity short-depth 2U 2-socket server                                                                                          | High-performance, short depth, rugged, reverse mounting, filtered bezel, -5C to 55C operating temperatures                                                             |
| Target workloads               | Large model training, natural language processing, recommendation engines, conversational AI, translation, drug discovery                                                                                                                                                                                                                                                                          | HPC Modeling and Simulation, seismic analysis, computational fluid dynamics, Oil & Gas, AI/ML training, object detection, image classification                         | HPC Modeling and Simulation, seismic analysis, computational fluid dynamics, Oil & Gas, AI/ML training, object detection, image classification                         | Industrial automation, video analytics, point of sale analytics, AI inferencing, edge asset data aggregation and analytics                                             | vRAN, D-RAN, O-RAN, wIndustrial automation, video analytics, point of sale analytics, AI inferencing, edge asset data aggregation and analytics                        |
| Type of processor              | 2 x 4th Generation Intel® Xeon® scalable processors; up to 56 cores per processor or 2 x 5th Generation Intel® Xeon® Scalable processors; up to 56 cores per processor                                                                                                                                                                                                                             | 2 x 4th Generation Intel® Xeon® Scalable processors; up to 56 cores per processor or 2 x 5th Generation Intel® Xeon® Scalable processors; up to 64 cores per processor | 2 x 4th Generation Intel® Xeon® Scalable processors; up to 56 cores per processor or 2 x 5th Generation Intel® Xeon® Scalable processors; up to 64 cores per processor | 2 x 5th Generation Intel® Xeon® Scalable processors; up to 16 cores per processor or 2 x 4th Generation Intel® Xeon® Scalable processors; up to 32 cores per processor | 1 x 5th Generation Intel® Xeon® Scalable processors; up to 16 cores per processor or 1 x 4th Generation Intel® Xeon® Scalable processors; up to 32 cores per processor |
| DDR5 DIMM slots (max capacity) | 32 (4 TB)                                                                                                                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"><li>16 (1 TB) Intel GPU</li><li>8, 16, 32 (2 TB) NVIDIA GPU</li></ul>                                                                | 32 (4 TB)                                                                                                                                                              | 16 (1 TB)                                                                                                                                                              | 8 (1 TB)                                                                                                                                                               |
| Disk drives up to:             | 8 x 2.5" 16 x E3.S                                                                                                                                                                                                                                                                                                                                                                                 | 4 x 2.5"                                                                                                                                                               | 8 x 2.5"                                                                                                                                                               | 4 x 2.5" 8 x E3.S                                                                                                                                                      | 4 x 2.5"                                                                                                                                                               |
| NVMe drives up to:             | 8                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                                                                      | 8                                                                                                                                                                      | 4                                                                                                                                                                      | 4                                                                                                                                                                      |
| Gen5 PCIe slots up to:         | 10                                                                                                                                                                                                                                                                                                                                                                                                 | 4                                                                                                                                                                      | 4                                                                                                                                                                      | 2                                                                                                                                                                      | 2                                                                                                                                                                      |
| Gen4 PCIe slots up to:         | N/A                                                                                                                                                                                                                                                                                                                                                                                                | N/A                                                                                                                                                                    | N/A                                                                                                                                                                    | 5                                                                                                                                                                      | N/A                                                                                                                                                                    |
| Accelerator support up to:     | 8 NVIDIA HGX H100 80 GB 700 W SXM5 GPUs or NVIDIA HGX H800 8-GPU SXM 80GB 700W GPUs, NVIDIA HGX H200 8-GPU SXM 141GB 700W GPUs, NVIDIA HGX H20 8-GPU SXM 96GB 500W GPUs or 8 AMD Instinct MI300X 192GB 750W OAM GPU or 8 Intel Gaudi3 128GB 900W OAM GPU                                                                                                                                           | 4 NVIDIA H100 SXM 7000W NVLINK GPUs or Intel Data Center Max GPU Series 1550 OAM 600W Xelink GPUs                                                                      | 4 NVIDIA HGX H100 80 GB 700 W SXM5 GPUs, fully interconnected with NVIDIA NVLink technology                                                                            | 4 x 150 W SW or 2 x 300 W DW                                                                                                                                           | 2 x 75 W SW                                                                                                                                                            |
| Rack height (U)                | 6                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                                                                                                      | 4                                                                                                                                                                      | 2                                                                                                                                                                      | 1                                                                                                                                                                      |
| Integrated Rack                | Optional: IR5000                                                                                                                                                                                                                                                                                                                                                                                   | N/A                                                                                                                                                                    | N/A                                                                                                                                                                    | N/A                                                                                                                                                                    | N/A                                                                                                                                                                    |
| Integrated security            | TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, Secure Boot being standard security, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), Data at Rest Encryption (SEDs with local or external key mgmt) Secured Component Verification (Hardware integrity check) and System Erase on all racks. |                                                                                                                                                                        |                                                                                                                                                                        |                                                                                                                                                                        |                                                                                                                                                                        |

Note: \*Features marked with an asterisk (\*) may not be available at product launch. Please refer to the product configurator page on Dell.com to confirm feature availability.

# Dell PowerEdge Rack Servers



## Quick Reference Guide

| Rack Server                    | R750                                                                                                                                                                                                                                                                                                                               | R750xa                                                                            | R650                                                                                                                    | R7525                                                                                                | R6525                                                                             | R7515                                                                                               | R6515                                                                               | R750xs                                                                                        | R650xs                                                                                | R450                                                                                          | R550                                                                                | XR11                                                                                              | XR12                                                                                              | R350                                                                                                                            | R250                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                                |                                                                                                                                                                                                                                                   |  |                                        |                     |  |                   |  |            |    |            |  |                |                |                                              |                                          |
| Key attributes                 | Outstanding performance for the most demanding workloads                                                                                                                                                                                                                                                                           | Highly intensive GPU workloads                                                    | High scalability, optimized workload performance                                                                        | Powerful performance and flexibility                                                                 | Dense virtualization                                                              | Powerful performance and scalability                                                                | High density compute                                                                | Purpose-built 2U server for growing scale-out solutions                                       | Purpose-built, full performance 1U server for dense, fast growing scale-out solutions | Value and density-focused, built for general purpose IT                                       | Versatile, value-optimized, virtualization-ready, built for general purpose IT      | Edge-centric, short depth and rugged with reverse mounting options                                | Edge-centric, short depth and rugged with reverse mounting options                                | Powerful performance in 1U server for productivity and data intensive applications                                              | Powerful compute for common business applications and streamlines productivity                                              |
| Target workloads               | Database and analytics, HPC, traditional corporate IT, VDI, AI, or ML environments                                                                                                                                                                                                                                                 | AI, ML or DL training or inferencing, HPC, and virtualization environments        | Mixed workload standardization, database and analytics, HFT, traditional corporate IT, VDI, HPC, AI, or ML environments | All flash SDS, VDI, and data analytics                                                               | HPC, Dense VDI, and Virtualization                                                | SDS, Virtualization, and Data Analytics                                                             | Virtualization, HCI and NFV                                                         | Virtualization, medium VM density or VDI, and scale-out database workloads                    | Virtualization, cloud, scale-out database and highperformance compute workloads       | Small IT infrastructure, light VM, small business specific workloads                          | Small IT infrastructure, light VM density, small business specific workloads        | Telco/5G (MEC, CDN, vRAN), Military, Retail (Analytics - video surveillance/ POS/IOT aggregation) | Telco/5G (MEC, CDN, vRAN), Military, Retail (Analytics - video surveillance/POS/ IOT aggregation) | Small mid-sized businesses, remote office/branch office, collaboration and sharing, data analytics and virtualization workloads | Small mid-sized businesses, remote office/branch office, collaboration and sharing, mail/messaging and file/print workloads |
| Type of processor              | 2 x 3 <sup>rd</sup> Generation Intel® Xeon® Scalable processors; up to 40 cores per processor                                                                                                                                                                                                                                      |                                                                                   |                                                                                                                         | 2 x 2 <sup>nd</sup> or 3 <sup>rd</sup> Generation AMD EPYC™ processors; up to 64 cores per processor |                                                                                   | 1 x 2 <sup>nd</sup> or 3 <sup>rd</sup> Generation AMD EPYC™ processor; up to 64 cores per processor |                                                                                     | 2 x 3 <sup>rd</sup> Generation Intel® Xeon® Scalable processors; up to 32 cores per processor |                                                                                       | 2 x 3 <sup>rd</sup> Generation Intel® Xeon® Scalable processors; up to 24 cores per processor |                                                                                     | 1 x 3 <sup>rd</sup> Generation Intel® Xeon® Scalable processors; up to 36 cores per processor     |                                                                                                   | 1 x Intel Xeon E-2300 series processors with up to 8 cores or 1 x Intel Pentium processor with up to 2 cores                    |                                                                                                                             |
| DDR4 DIMM slots (max capacity) | 32 (8 TB)                                                                                                                                                                                                                                                                                                                          |                                                                                   | 32 (4 TB)                                                                                                               |                                                                                                      |                                                                                   | 16 (2 TB)                                                                                           |                                                                                     | 16 (1 TB)                                                                                     |                                                                                       |                                                                                               |                                                                                     | 8 (1 TB)                                                                                          |                                                                                                   | 4 (128 GB)                                                                                                                      |                                                                                                                             |
| Disk drives up to:             | 12 x 3.5"<br>8 x 2.5"<br>16 x 2.5"<br>24 x 2.5"<br>2 x 2.5" or<br>4 x 2.5" (rear)                                                                                                                                                                                                                                                  | 6 x 2.5"<br>8 x 2.5"                                                              | 4 x 3.5"<br>8 x 2.5"<br>10 x 2.5"<br>2 x 2.5" (rear)                                                                    | 12 x 3.5"<br>26 x 2.5"                                                                               | 4 x 3.5"<br>12 x 2.5"                                                             | 12 x 3.5"<br>24 x 2.5"                                                                              | 4 x 3.5"<br>8 x 2.5"                                                                | 8 x 3.5"<br>12 x 3.5"<br>8 x 2.5"<br>16 x 2.5 +<br>8 x 2.5"                                   | 4 x 3.5"<br>8 x 2.5"<br>10 x 2.5"<br>2 x 2.5" (rear)                                  | 4 x 3.5"<br>8 x 2.5"                                                                          | 8 x 3.5"<br>8 x 2.5"<br>16 x 2.5"                                                   | 4 x 2.5"                                                                                          | 6 x 2.5"                                                                                          | 4 x 3.5"<br>8 x 2.5"                                                                                                            | 4 x 3.5"<br>4 x 3.5" (cabled)<br>2 x 3.5" (cabled)                                                                          |
| NVMe drives up to:             | 24                                                                                                                                                                                                                                                                                                                                 | 8                                                                                 | 12                                                                                                                      | 24                                                                                                   | 12                                                                                | 24                                                                                                  | 10                                                                                  | 8                                                                                             | 10                                                                                    | N/A                                                                                           |                                                                                     | 4                                                                                                 | 6                                                                                                 | N/A                                                                                                                             |                                                                                                                             |
| Gen4 PCIe slots up to:         | 8                                                                                                                                                                                                                                                                                                                                  | 8                                                                                 | 3                                                                                                                       | 8                                                                                                    | 3                                                                                 | 2                                                                                                   | 1                                                                                   | 5                                                                                             | 3                                                                                     | 2                                                                                             | 3                                                                                   | 3                                                                                                 | 5                                                                                                 | 3                                                                                                                               | 2                                                                                                                           |
| Gen3 PCIe slots up to:         | N/A                                                                                                                                                                                                                                                                                                                                |                                                                                   |                                                                                                                         |                                                                                                      |                                                                                   | 2                                                                                                   | 1                                                                                   | 1                                                                                             | N/A                                                                                   |                                                                                               | 1                                                                                   | N/A                                                                                               |                                                                                                   |                                                                                                                                 |                                                                                                                             |
| Accelerator support up to:     | 2 x 300 W DW or 4 x 150 W SW or 6 x 75 W SW                                                                                                                                                                                                                                                                                        | 4 x 150 W SW or 4 x 300 W DW 2 x 75 W SW                                          | 3 x 75 W SW                                                                                                             | 3 x 300 W DW or 6 x 75 W SW                                                                          | 3 x SW                                                                            | 4 x SW; 1 x DW; 1 x FPGA                                                                            | 1 x SW                                                                              | N/A                                                                                           |                                                                                       |                                                                                               | 2 x 75 W SW                                                                         |                                                                                                   | 2 x 75 W or 150 W SW 2 x 300 W DW                                                                 | N/A                                                                                                                             |                                                                                                                             |
| Rack height (U)                | 2                                                                                                                                                                                                                                                                                                                                  | 2                                                                                 | 1                                                                                                                       | 2                                                                                                    | 1                                                                                 | 2                                                                                                   | 1                                                                                   | 2                                                                                             | 1                                                                                     | 1                                                                                             | 2                                                                                   | 1                                                                                                 | 2                                                                                                 | 1                                                                                                                               | 1                                                                                                                           |
| Integrated security            | TPM 1.2/2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, and Secure Boot being standard security on all racks. Integrated security features such as Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), and System Erase on all racks |                                                                                   |                                                                                                                         |                                                                                                      |                                                                                   |                                                                                                     |                                                                                     |                                                                                               |                                                                                       |                                                                                               |                                                                                     |                                                                                                   |                                                                                                   |                                                                                                                                 |                                                                                                                             |

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| Rack Server                    | R940                                                                                                                                                                                                                                                                                                                               | R940xa                                                                            | R840                                                                              | R740xd                                                                             | R740                                                                                | R740xd2                                                                             | R640                                                                                | R540                                                                                | R440                                                                                | R340                                                                                | R240                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                |                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |  |
| Key attributes                 | Powerful performance                                                                                                                                                                                                                                                                                                               | Extreme acceleration                                                              | Turbocharge data analytics                                                        | Scalable storage performance                                                       | Optimal application performance                                                     | Enterprise content server                                                           | Performance and density                                                             | Balanced and adaptable                                                              | Scale-out computing                                                                 | Accelerate business growth                                                          | Compute made simple                                                                 |
| Target workloads               | In-memory databases                                                                                                                                                                                                                                                                                                                | GPU database acceleration and machine learning                                    | Data-intensive workloads, HFT, and dense virtualization                           | SDS, service providers, and big data servers                                       | VDI and cloud workloads                                                             | Media streaming and SDS                                                             | Dense scale-out data center computing and storage                                   | Mail messaging and virtualization                                                   | HPC, web tech, and scale-out infrastructure                                         | ROBO productivity and data-intensive applications                                   | Small business and service provider workloads                                       |
| Type of processor              | 4 x 2 <sup>nd</sup> Generation Intel® Xeon® Scalable processors                                                                                                                                                                                                                                                                    |                                                                                   |                                                                                   | 2 x 2 <sup>nd</sup> Generation Intel® Xeon® Scalable processors                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1 x Intel Xeon E-2200, Intel Core i3®, Intel Pentium®, or Intel Celeron® processor  |                                                                                     |
| DDR4 DIMM slots (max capacity) | 48 (15.36 TB)                                                                                                                                                                                                                                                                                                                      |                                                                                   |                                                                                   | 24 (7.68 TB)                                                                       |                                                                                     | 16 (1 TB)                                                                           | 24 (7.68 TB)                                                                        | 16 (1 TB)                                                                           |                                                                                     | 4 (64 GB)                                                                           |                                                                                     |
| Disk drives up to:             | 24 x 2.5"                                                                                                                                                                                                                                                                                                                          | 32 x 2.5"                                                                         | 26 x 2.5"                                                                         | 18 x 3.5"<br>32 x 2.5"                                                             | 8 x 3.5"<br>16 x 2.5"                                                               | 26 x 3.5"<br>16 x 3.5" +<br>10 x 2.5" <sup>2</sup>                                  | 4 x 3.5"<br>12 x 2.5"                                                               | 14 x 3.5"                                                                           | 4 x 3.5"<br>10 x 2.5"                                                               | 4 x 3.5"<br>8 x 2.5"                                                                | 4 x 3.5"<br>4 x 2.5" <sup>2</sup>                                                   |
| NVMe drives up to:             | 12                                                                                                                                                                                                                                                                                                                                 | 4                                                                                 | 24                                                                                | N/A                                                                                |                                                                                     |                                                                                     | 10                                                                                  | N/A                                                                                 | 4                                                                                   | N/A                                                                                 |                                                                                     |
| Gen4 PCIe slots up to:         | N/A                                                                                                                                                                                                                                                                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Gen3 PCIe slots up to:         | 13                                                                                                                                                                                                                                                                                                                                 | 12                                                                                | 6                                                                                 | 8                                                                                  | 5                                                                                   | 3                                                                                   | 5                                                                                   | 2                                                                                   | 2                                                                                   |                                                                                     |                                                                                     |
| Accelerator support up to:     | N/A                                                                                                                                                                                                                                                                                                                                | 4 x DW GPUs or 4 x DW or 8 x SW FPGAs                                             | 2 x DW GPUs or 2 x SW or DW FPGAs                                                 | 3 x DW or 6 x SW GPUs or 3 x DW or 4 x SW FPGAs                                    | N/A                                                                                 |                                                                                     | 1 x SW GPU or 1 x SW FPGA                                                           | N/A                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| Rack height (U)                | 3                                                                                                                                                                                                                                                                                                                                  | 4                                                                                 | 2                                                                                 |                                                                                    |                                                                                     |                                                                                     | 1                                                                                   | 2                                                                                   | 1                                                                                   | 1                                                                                   |                                                                                     |
| Integrated security            | TPM 1.2/2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, and Secure Boot being standard security on all racks. Integrated security features such as Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), and System Erase on all racks |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

<sup>1</sup> Not all features are available on all platforms.

<sup>2</sup> Drives use hybrid carrier to fit in 3.5" drive bay. (For the R740xd2 - a hybrid configuration is available with up to 10 2.5" SSDs)

## Cyber Resilient Architecture for Zero Trust IT environment & operations

Security is integrated into every phase of the PowerEdge lifecycle, including protected supply chain and factory-to-site integrity assurance. The Silicon-based root of trust anchors end-to-end boot resilience while Multi-Factor Authentication (MFA) and role-based access controls safeguard trusted operations.

## Sustainability

From recycled materials in our products and packaging, to thoughtful, innovative options for energy efficiency, the PowerEdge portfolio is designed to make, deliver, and recycle products to help reduce the carbon footprint and lower your operation costs. We even make it easy to retire legacy systems responsibly with Dell Technologies.

## Increase efficiency and accelerate operations with an autonomous infrastructure

The Dell OpenManage systems management portfolio tames the complexity of managing and securing IT infrastructure. Using Dell Technologies’ intuitive end-to-end tools, IT can deliver a secure, integrated experience by reducing process and information silos in order to focus on growing the business. The Dell OpenManage portfolio is the key to your innovation engine, unlocking the tools and automation that help you scale, manage, and protect your technology environment.

## Rest easier with Dell Technologies Services

Maximize your PowerEdge Servers with comprehensive services designed to meet you wherever you are. Accelerate time to value in achieving high AI use cases with [Professional Services for AI](#), choose from tailored deployment options with the [ProDeploy Suite](#), receive proactive and predictive support with our [ProSupport Suite](#), and so much more with our services available across 170 locations and backed by our 60K+ employees and partners.

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