



# PowerEdge T630

The Dell PowerEdge T630 rackable tower server delivers ultimate two-processor performance, versatility and availability for a wide range of demanding workloads in small and medium business environments.

Featuring the latest Intel® Xeon® processor E5-2600 v4 product family, huge internal storage capacity, extensive configuration flexibility and the most powerful GPU capability in the PowerEdge server portfolio, the PowerEdge T630 enables users to readily adapt to demanding workloads. From collaboration and productivity applications (mail and messaging, file and print, web serving, video serving) to Online Transaction Processing (OLTP) in retail environments, to record retention and management in healthcare and education, the T630 helps drive business success for small- to medium-sized businesses, large enterprise remote and branch offices, and data centers.

## Deliver peak performance

Drive peak compute performance with the latest Intel E5 processors and up to 1.5TB of DDR4 memory. Accelerate data performance and throughput with Express Flash PCIe SSDs and PCI Express® (PCIe) 3.0 I/O and storage tiering. Deliver greater performance and faster data analytics with support for up to four optional GPUs.

## Maximize operational efficiency

Accelerate time to production and improve ROI with the Dell OpenManage portfolio — systems management tools that streamline and automate deployment. Control energy budgets with highly energy-efficient processors, memory, power supplies and Dell Fresh Air solutions.

## Deliver greater versatility

Ensure fast response times as you grow by expanding the T630's memory footprint up to 24 DDR4 DIMMs. Harness data explosion with massive internal storage capacity — 32 x 2.5" or 18 x 3.5" hard drives — and readily adapt to changing workload conditions with a platform pretested for virtualization and high-availability clusters.

## Innovative management with intelligent automation

The Dell OpenManage systems management portfolio includes innovative solutions that simplify and automate essential server lifecycle management tasks — making IT operations more efficient and Dell servers the most productive, reliable and cost effective. Leveraging the incomparable agent-free capabilities of the PowerEdge embedded integrated Dell Remote Access Controller (iDRAC) with Lifecycle Controller technology, server deployment, configuration and updates are streamlined across the OpenManage portfolio and through integration with third-party management solutions,

Monitoring and control of Dell and third-party data center hardware is provided by OpenManage Essentials and with anytime, anywhere mobile access, through OpenManage Mobile. OpenManage Essentials now also delivers Server Configuration Management capabilities that automate one-many PowerEdge bare-metal server and OS deployments, quick and consistent replication of configurations and ensure compliance to a predefined baseline with automated drift detection.

## PowerEdge T630

- Up to two Intel Xeon E5-2600 v4 processors
- Up to 24 DDR4 DIMMs
- Massive internal storage capacity with up to 32 x 2.5" or 18 x 3.5" hard drives
- Up to four optional hot-plug Express Flash PCIe SSDs
- Up to four optional GPUs

| Feature                     | PowerEdge T630 technical specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form factor                 | Tower (5U rackable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Processor                   | Intel® Xeon® processor E5-2600 v4 product family                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Processor sockets           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Internal interconnect       | 2 x Intel QuickPath Interconnect (QPI) links; 6.4GT/s, 8.0GT/s, 9.6GT/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cache                       | 2.5MB per core; core options: 4, 6, 8, 10, 12, 16, 18, 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Chipset                     | Intel C610                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Memory <sup>1</sup>         | Up to 1.5TB (24 DIMM slots): 2GB/4GB/8GB/16GB/32GB/64GB DDR4 up to 2400MT/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| I/O slots                   | <b>8 PCIe slots:</b> <ul style="list-style-type: none"> <li>Slot 1: one x16 PCIe 3.0 for FL/FH card from CPU1</li> <li>Slot 2: one x8 PCIe 2.0 for FL/FH card from PCH (x4 lanes)</li> <li>Slot 3: one x16 PCIe 3.0 for FL/FH card from CPU1</li> <li>Slot 4: one x8 PCIe 3.0 for HL/FH card from CPU2</li> <li>Slot 5: one x8 PCIe 2.0 for FL/FH card from CPU2 (x4 lanes)</li> <li>Slot 6: one x16 PCIe 3.0 for FL/FH card from CPU2</li> <li>Slot 7: one x16 PCIe 3.0 for FL/FH card from CPU2</li> <li>Slot 8 (Internal PERC slot): one x8 PCIe 3.0 for HL/FH card from CPU1</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RAID controllers            | <b>Internal controllers:</b> PERC S130 (SW RAID), PERC H330, PERC H730, PERC H730P<br><b>Internal HBA (Non-RAID):</b> HBA330<br><b>External HBAs (RAID):</b> PERC H830                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Drive bays                  | <b>Internal hard drive bay and hot-plug backplane:</b><br>Up to 8 x 3.5" SAS, SATA, nearline SAS, SSD, PCIe SSD drives with optional flex bay<br>Up to 18 x 3.5" SAS, SATA, nearline SAS, SSD drives                                                                                                                                                                                                                                                                                                                                                                                        | Up to 16 x 2.5" SAS, SATA, nearline SAS, SSD, PCIe SSD drives with optional flex bay<br>Up to 32 x 2.5" SAS, SATA, nearline SAS, SSD drives                                                                                                                                                                                                                                                                                                           |
| Hard drives                 | <b>Hot-plug hard drive options:</b><br>2.5" SAS, SATA, nearline SAS, SSD, Express Flash PCIe SSD<br>3.5" SAS, SATA, nearline SAS, SSD<br>Self-encrypting drives available                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Embedded NIC                | Intel dual-port 1GbE LOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| GPU                         | Support for up to 4 optional 300W internal GPU processing accelerators; (must be ordered at time of initial purchase).                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Power supplies              | Titanium efficiency 750W AC power supply<br>Gold efficiency 1100W DC power supply<br>Platinum efficiency 495W, 750W, 1100W or 1600W AC power supply                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Availability                | High-efficiency, hot-plug, redundant power supplies; hot-plug drive bays; dual internal SD module; hot-plug redundant fan; optional bezel; information tag; ECC memory switch independent partitioning, Single Device Data Correction (SDDC), spare rank, tool-less chassis, support for high-availability clustering and virtualization, proactive systems management alerts                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Systems management          | <b>Systems management:</b> IPMI 2.0 compliant, Dell OpenManage Essentials, Dell OpenManage Mobile, Dell OpenManage Power Center<br><b>Remote management:</b> iDRAC8 with Lifecycle Controller, iDRAC8 Express (default), iDRAC8 Enterprise (upgrade), 8GB vFlash media (upgrade), 16GB vFlash media (upgrade)                                                                                                                                                                                                                                                                               | <b>Dell OpenManage Integrations:</b> <ul style="list-style-type: none"> <li>Dell OpenManage Integration Suite for Microsoft® System Center</li> <li>Dell OpenManage Integration for VMware® vCenter™</li> </ul> <b>Dell OpenManage Connections:</b> <ul style="list-style-type: none"> <li>HP Operations Manager, IBM Tivoli® Netcool® and CA Network and Systems Management</li> <li>Dell OpenManage Plug-in for Oracle® Database Manager</li> </ul> |
| Rack support                | ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks, with support for optional tool-less cable management arm. Rack mount model available (must be ordered at time of initial purchase).                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Operating systems           | Microsoft Windows Server® 2008/2012 R2<br>Microsoft Windows Server 2008/2012 R2 SP2, x86/x64<br>Novell® SUSE® Linux Enterprise Server<br>Red Hat® Enterprise Linux®                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Optional embedded hypervisors:</b><br>Citrix® XenServer®<br>VMware vSphere® ESXi™<br>Red Hat Enterprise Virtualization®<br>For more information on the specific versions and additions, visit: <a href="http://Dell.com/OSsupport">Dell.com/OSsupport</a> .                                                                                                                                                                                        |
| OEM-ready version available | From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit <a href="http://Dell.com/OEM">Dell.com/OEM</a> .                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Recommended support         | Dell ProSupport Plus for critical systems or Dell ProSupport for premium hardware and software support for your PowerEdge solution. Consulting and deployment offerings are also available. Contact your Dell representative today for more information. Availability and terms of Dell Services vary by region. For more information, visit <a href="http://Dell.com/ServiceDescriptions">Dell.com/ServiceDescriptions</a> .                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

<sup>1</sup> GB equals 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

## End-to-end technology solutions

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.\*\*

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