Meet the new Dell™ PowerEdge™ 12th generation servers with the latest Intel® Xeon® processors:

Server Type	Model	Form factor	Server features	User type	Targeted workloads
Blade	M820	4S full-height blade server	Phenomenal processing power, maximum memory capacity scalability; superb price/performance, easy lifecycle manageability, innovative systems management	Mid-size and large businesses using enterprise-class applications requiring greater performance or scalability	ERP, CRM and decision support; consolidated applications in large-node virtual environments
	M620	2S half-height blade server	Outstanding performance and memory footprint, exceptional configuration flexibility	Full range of data centers	Decision support, collaboration, industrial R&D (HPC) and mid-tier business processing (ERP, CRM) applications
	M520	2S half-height blade server	Exceptional value with mainstream performance combined with enterprise-class features, scalable memory footprint wtih a range of memory sizes, easy lifecycle manageability, innovative systems management	Small to mid-size businesses, large departments and remote offices with mainstream IT needs	Mid-tier workloads such as collaboration and entry-level virtualization; all general business applications
	M420	2S quarter-height blade server	Mainstream performance, exceptional compute density; individually serviceable nodes with enterprise-class features; easy lifecycle manageability, innovative systems management; scalable memory footprint and range of memory sizes	Environments requiring exceptionally dense deployments where space is at an absolute premium	Entry and mid-tier business applications, such as smaller databases to high node-count virtual environments; cloud computing or industrial R&D (HPC)
Rack	R820	4S/2U rack server	Tremendous density in a 2U form factor with 4 processors and 1.5 TB of memory, it delivers great performance for data-intensive applications and virtualization environments and has the ability to rapidly scale for transaction based applications where spikes in workload can occur	Mid-size and large organizations with data-hungry applications requiring high memory capacity and performance	Demanding mission critical workloads, like data warehousing, e-commerce, virtual desktop infrastructure (VDI), databases and data node high-performance computing (HPC)
	R720xd	2S/2U rack server	Extensive storage capacity and high-density memory; expands up to 26 internal disks	Mid-size to large data centers	Collaboration, large mail servers, computational analytics, medical imaging, or as a storage host
	R720	2S/2U rack server	Highly flexible with scalable memory, impressive I/O capabilities and dual RAID controllers	Mid-size to large data centers	Business processing (ERP), decision support (database), collaboration (Sharepoint, Exchange) and HPC
	R620	2S/1U rack server	High reliability, balanced performance, memory, and I/O in a 1U form factor	Mid-size to large data centers; customers who are implementing virtualization but are sensitive to data center space considerations	Business processing (ERP), decision support (database), collaboration (Exchange), industrial R&D (HPC) applications, or as a web server or file and print server
	R520	2S/2U rack server	Balanced performance and scalability, large internal storage capacity, easy connectivity to LAN, iSCSI and fiber channel SANs; easy lifecycle manageability, innovative management tools	Small and mid-size businesses and data centers, remote sites and departmental offices of PLE	Mid-market databases and applications requiring capacity for growth and scalability; business analytics and intelligence, information management, CRM, security management, as well as web hosting and virtualization
	R420	2S/1U rack server	Double-down density with balanced performance and expandability; straightforward systems management with innovative management tools	Small and mid-size businesses, remote sites and departments and space-constrained data centers	Compute-intensive applications in space-constrained areas; HPC workloads, web hosting
	R320	1S/1U rack server	Performance-packed dense server with enterprise-class high-availability features; easy lifecycle management with innovative management tools	Small and mid-size businesses; departments and remote offices of larger organizations	Web serving, file sharing and printing, mail and messaging, data coordination and sharing, desktop consolidation
Tower	T620	2S/5U rack-mount tower server	Large memory footprint and I/O bandwidth, extensive internal storage and GPUs	Mid-size businesses, divisions of public organizations and large enterprises, multinational businesses and organizations with remote offices	Business analytics and intelligence, information management, CRM, security management, desktop virtualization, medical imaging, collaboration and large mail servers
	T420	2S rackable server	Balanced performance and scalability; built-in room well-suited for growth, as well as desktop and small server consolidation	Mid-market businesses, as well as departments and remote offices of large enterprises and organizations needing performance headroom, expandability and scalability	General purpose mid-market applications, including focus on database applications, business analytics and intelligence information management, CRM, security management and virtualization
	T320	1S rackable server	Performance, high availability and quiet acoustics; energy-efficient design to reduce power consumption	Small and mid-size businesses and departmental/remote offices of PLE where expandability, scalability and outstanding systems management are required	General purpose, single-tier departmental/remote office applications — file-and-print, mail and messaging, data coordination and sharing; desktop consolidation