The Dell™ PowerEdge™ M-series blade servers address the challenges of an evolving IT environment by delivering leading enterprise-class features and functionality. The M-Series delivers a unique array of options configured to meet the needs of your IT environment both now and in the future, including:

- Multiple blade form-factor choices including the world’s only individually serviceable quarter-height blade
- Extended life chassis supports multiple generations and form-factors in any configuration
- Modular I/O switches for future scalability
- Exceptional cooling technologies for reduced power consumption
- Agent-free embedded management providing granular or one-to-many capabilities with the Chassis Management Controller (CMC)
- Geographically dispersed multi-chassis management through a single IP address
- Infrastructure independent Persistent WWN/MAC/iSCSI address capabilities
Simplifying IT

The Dell difference

Simple manageability
Dell recognizes the importance of simplifying IT management. Dell’s blade solutions deliver intuitive, agent-free embedded management within a fully modular blade enclosure. With Dell’s Chassis Management Controller, you can manage individual blade servers or groups, in single or multiple chassis within a single data center or geographically dispersed in multiple locations around the world, all using a single interface and one IP address. For deployment assistance and local troubleshooting, a handy interactive LCD panel is located on the front of every M1000e chassis.

With the addition of Dell’s FlexAddress technology for persistent WWN/MAC/iSCSI addresses, PowerEdge M-Series blade servers allow you to focus on managing your organization, not your data center.

Increased flexibility
Designed to lead the industry in rapid and easy setup and deployment, M-Series blades feature customizeable networking through Dell’s unique Select Network Adapter technology, fully modular I/O switches, and a completely passive midplane that can handle up to 8.4Tb/s of throughput with current technologies. These features provide you with an easy and effective solution for scaling your I/O infrastructure, which can deliver significant savings in time, cabling, and switch port costs.

Energy efficiency
The Dell M-Series blades are designed to maximize energy efficiency in order to better address the power and space constraints in today’s data centers. Continuing their sustained commitment and leadership in energy efficiency, Dell has created the world’s most power-efficient mainstream blade solution. From improved fan technologies within the active zoned cooling architecture to ultra-efficient power supplies that offer dynamic control and power monitoring, the M-Series provides you with the outstanding power efficiency your data center needs.
PowerEdge M1000e chassis

Innovative enterprise server architecture

The Dell PowerEdge M1000e modular blade enclosure is a breakthrough in enterprise server architecture. Flexible and scalable, the M1000e is designed to support future generations of blade servers regardless of processor/chipset architecture and I/O needs. This future support includes enabling multiple generations of servers living in the same chassis.

Easy to use, easy to manage

Using centralized chassis management controllers, the M1000e provides redundant, secure access paths for IT administrators to manage multiple enclosures and blades from a single console. The M-Series chassis offers an integrated KVM switch to enable easy setup and deployment, with seamless integration into existing KVM infrastructures without requiring any additional infrastructure.

Built for maximum energy efficiency

Built on Dell’s Energy Smart technology, the M1000e is one of the most power-efficient blade solutions on the market. All Dell M-Series blades are fully compatible in the M1000e enclosure to help increase capacity, lower operating costs, and deliver better performance/watt. The M1000e enclosure takes advantage of Energy Smart thermal design efficiencies, such as ultra-efficient power supplies and dynamic power-efficient fans with optimized airflow design to efficiently cool the chassis and enable better performance in a lower power envelope.

FlexAddress, the simple low-cost way to limit downtime

Using centralized chassis management controllers, the M1000e provides redundant, secure access paths for IT administrators to manage multiple enclosures and blades from a single console. The M-Series chassis offers an integrated KVM switch to enable easy setup and deployment, with seamless integration into existing KVM infrastructures without requiring any additional infrastructure.

Only Dell provides complete scale-on-demand switch designs. With the M-Series’ I/O expandability and switch options, you have the flexibility needed to meet your increasing and demanding I/O requirements. The M1000e helps reduce the cost and complexity of managing computing resources so you can focus on growing your business and managing your organization. Convenient features such as redundant, centralized chassis management controllers, dynamic power management, real-time power reporting, and integrated KVM technology for concurrent remote access to all blades make server management quick and easy.
The PowerEdge M610x enables you to incorporate a vast array of PCIe-based products into the blade chassis framework with enough power and cooling to efficiently deploy even the most feature-rich, expansion-card-based solutions. With the addition of the PCIe expansion module, the PowerEdge M610x blade server is an ideal solution for organizations that need maximum flexibility and performance with high reliability. Maximized PCIe 2.0 expansion is finally realized within a blade.

**Unparalleled PowerEdge flexibility**

The PowerEdge M610x PCIe expansion module includes two full-length x16 PCIe slots with supplemental power connectors that enable maximum wattage for one 300W dual-slot card or two 250W single-slot cards. These PCIe slots are capable of supporting everything from H-series external RAID controllers to general-purpose computing-on-graphics processing units (GPGPU).

Now, a single M610x, equipped with a NVIDIA® Tesla™ GPGPU card, can perform over 400 Gigaflops of double-precision computations for demanding, floating-point-intensive workloads. Communication between the host system and the Tesla processors is maximized by providing x16 PCIe 2.0 bandwidth while the efficient Dell M1000e chassis powers and cools the solution to its maximum 247W TDP (Thermal Design Power).

**Uncompromised performance**

The PowerEdge M610x is an energy-efficient, optimized full-height, two-socket server for virtually any application requiring standard PCIe slot expandability. As an ideal PCIe host server, the M610x features the reliability of two 2.5” SAS or SSD hot-pluggable hard drives, and the I/O throughput of a dual-port embedded gigabit NIC and two additional fabrics supporting a wide variety of connectivity options. Powerful Intel® Xeon® processors 5600 series with up to 192GB of DDR3 memory offer high performance and low power consumption for a variety of dense-environment workloads.
PowerEdge M910

The PowerEdge M910 provides significant performance and reliability in a scalable, full-height, four-socket blade server, allowing the deployment of large Enterprise-class applications as well as the ability to support heavy virtualization or workload consolidation in maximum density.

**Powerful**
The PowerEdge M910 was designed to meet the needs of nearly any IT infrastructure or environment. Built with powerful Intel Xeon E7 family processors and advanced systems management capabilities, the M910 is ideal for the demanding applications at the core of most data centers. Since memory capacity is often a critical component for application performance, the PowerEdge M910 was designed with 32 DIMM slots allowing up to 1TB of ECC DDR3 RAM to be supported, allowing memory-intensive applications to have ample resources at their disposal.

**Scalable**
Only Dell offers FlexMem Bridge technology, which allows the M910 to seamlessly scale from 4GB to 1TB of DDR3 RAM in either two-socket or four-socket configurations. This patent-pending technology allows Dell to deliver a unique platform that can seamlessly scale as customer and application needs dictate, without having to “rip and replace” existing server infrastructure.

The compact form-factor of Dell blades allows the ability to scale down the amount of space that your core application servers require. By using the PowerEdge M910, you can deploy up to eight 4-socket servers in only 10U of rack space, which is less than 1/3 of the space required using traditional 4U four-socket rack servers.

**Reliable**
With the PowerEdge M910, Dell continues its unrelenting focus on reliability. The PowerEdge M910 uses the redundant power, cooling, and networking infrastructure provided by the Dell M1000e blade enclosure. The PowerEdge M910 itself incorporates improvements and features for maximum protection against potential downtime, such as the ability to support three fully redundant fabrics per blade and the inclusion of Dell’s unique Failsafe Virtualization technology, which uses a dual SD-media to provide a redundant embedded hypervisor infrastructure.

The Intel Xeon E7 family processors are designed to automatically monitor, report, and recover from hardware errors in order to maintain data integrity and keep mission-critical services online.
PowerEdge M915

The M915 is ideal for mission-critical applications needing maximum I/O scalability and performance. Input, process, analyze, and report data on the same platform; consolidate servers; and scale during peak workloads. With up to 64 processor cores, the Dell PowerEdge M915 offers you the performance you need to run your important business applications and workloads. Get the ability to run robust virtual machines (VMs), maximize the number of virtual machines being run per server, and reap all the benefits of consolidation. The M915 can also help increase database performance by taking advantage of the high processor core count to run more tasks simultaneously.

Boost business performance
The PowerEdge M915 offers robust AMD Opteron™ processors designed to:
- Deliver up to 64 processor cores for optimal 4-socket performance with 2-socket value and provide the essential features needed to operate your consolidated infrastructure efficiently.
- Give you the ability to monitor power and thermals at the processor level and assist with platform efficiency.

Throughput, throughput, throughput
Unleash the potential of your consolidated VMs with more I/O throughput.
- Maximizing both 10GbE and GbE port counts provides your virtualized applications the dedicated bandwidth they need in I/O-intensive environments.
- Enabling the choice of fabric and vendor can enhance your flexibility to adopt and deploy networks at your own pace.
- Using up to six dual-port 10GbE network cards can bring the total aggregate throughput into a single server to an amazing 120Gbps.

An integrated, flexible network daughtercard enables a choice of embedded network adapters. Select either GbE network interface cards (NICs) or 10Gb converged network adapters (CNAs) to attach to M1000e I/O modules, such as the PowerConnect M8428-k converged network switch. I/O traffic can then flow to your existing Dell or third-party switching infrastructure.
PowerEdge M420

The M420 delivers unprecedented computational density—up to 32 blade servers per chassis—with no compromise on Enterprise-class features.

Enjoy remarkable computational density with the PowerEdge M420, capable of deploying 32 server nodes in just 10U of rack space. Scaling up to 16 processor cores and 192GB of RAM, each M420 couples processing power and memory capacity with tremendous I/O throughput, with up to four ports of 10Gb Ethernet available in an exceptionally compact, individually serviceable form factor. From entry and mid-tier business applications, to high node-count virtual environments, and even distributed workloads such as cloud or high-performance computing (HPC) environments, the M420 provides advantages for virtually any data center where a large number of computational nodes need to be deployed in minimal space.

Ensure business continuity
Dell’s no-compromise approach towards Enterprise-class features on our M-series blade servers is not limited by the M420’s ultra-dense form-factor. The fully redundant and individually serviceable M420 platform offers such capabilities as hardware RAID and hot-pluggable dual solid-state drives in order to ensure maximum uptime. Dell’s unique failsafe virtualization technology even extends the redundancy and resiliency of the M420 to virtual environments, offering a redundant, failover-capable infrastructure for embedded hypervisors.
PowerEdge M520

The M520 delivers an extraordinary balance of value and performance for mainstream business applications.

Enjoy excellent performance and exceptional value with the Dell PowerEdge M520’s well-balanced processing capabilities and memory capacity in a compact half-height blade form factor. With up to 16 processor cores and up to 12 DIMMs of RAM, the scalability and performance of the M520 makes it a natural fit for general business applications such as e-mail and databases, as well as mid-tier virtual environments.

Achieve business continuity
Ensure maximum uptime with the fully redundant M-series power, cooling, and networking infrastructure, designed to provide the stability and resiliency our customers demand for Enterprise-class deployments. The M520’s design matches Dell’s commitment to reliability, with features such as multiple hardware RAID choices and our unique failsafe virtualization technology, which uses redundant SD media to provide failover capabilities for embedded hypervisors.
PowerEdge M620

The M620 delivers maximum performance combined with extreme density and power efficiency.

Designed for your taxing workloads, such as email, database and virtual environments, the Dell PowerEdge M620 blade server is an ideal blend of density, performance, efficiency and scalability. The M620 delivers unprecedented memory density and superb performance with no compromise on enterprise-class features.

Accomplish more
Bring impressive new capabilities to your data center with the PowerEdge M620, which offers a memory capacity of up to 768GB of RAM along with scalable I/O capabilities. Powered by Intel Xeon E5-2600 processors and Dell’s unique Select Network Adapter, our flexible NIC technology, the M620 provides the performance you require and allows you to allocate your network throughput to match your application needs.

Designed for your hyper-dense environments
Dell’s exclusive failsafe virtualization technology provides redundant media for hypervisor failover to keep your critical virtual environments running. Your virtualization environments demand high memory capacity in order to maximize the number of virtual machines per server, and the PowerEdge M620 was designed with this in mind. If you are running high HPC application clusters, the M620 provides you with outstanding computational density and powerful processing capability in a compact form factor.
The PowerEdge M820’s scalability makes it a perfect fit for core business applications or consolidated workloads. Virtual environments supporting large numbers of sizeable virtual machines will find the M820 a perfect choice. With up to four Intel Xeon E5-4600 processors and up to 1.5TB of RAM per node—12TB of memory in just a single M1000e chassis—the M820’s remarkable computational capability and memory scalability can address even the toughest demands. With Dell’s Select Network Adapter, you can fully customize the I/O capabilities of the M820 to match the networking technology that’s right for your applications.

Ensure business continuity
Ensure maximum uptime with the fully redundant M-series power, cooling and networking infrastructure designed to provide the stability and resiliency our customers demand for Enterprise-class deployments. The M820’s design matches Dell’s commitment to reliability, with features such as multiple hardware RAID choices and our unique failsafe virtualization technology, which uses redundant SD media to provide failover capabilities for embedded hypervisors.

The M820 delivers performance and scalability for core business applications or consolidated environments with no compromise on Enterprise-class features.
# Dell PowerEdge M1000e blade enclosure

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Form factors</th>
<th>Power supplies</th>
<th>Cooling fans</th>
<th>I/O modules</th>
<th>Management modules</th>
<th>Management highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1000e</td>
<td>Unrivaled power efficiency and I/O throughput for performance combined with scalability and flexibility to meet blade server needs for multiple generations.</td>
<td>Fully modular blade enclosure optimized for Dell blade servers</td>
<td>10U enclosure holds up to 16 blade servers</td>
<td>Choice of up to 6 hot-pluggable power supplies</td>
<td>Up to 6 I/O modules for 3 redundant fabrics; available switches include Dell and Cisco® 1Gb/10Gb Ethernet with modular bays, Dell 10Gb Ethernet with modular bays, Dell Ethernet pass-through, Brocade® 8GbE Fibre Channel, Fibre Channel pass-through, Mellanox® DDR QDR and FDR infiniband</td>
<td>1 (standard) or 2 (redundant) Chassis Management Controllers (CMCs); optional integrated KVM switch for 'crash cart' management</td>
<td>Dynamic power management allows for predefined power limits to individual blades; real-time reporting for enclosure and blade power consumption; real-time thermal monitoring; secure SSL and command line interfaces; front control panel with interactive LCD for module setup, info and troubleshooting</td>
</tr>
</tbody>
</table>

---

# Dell PowerEdge blade servers

<table>
<thead>
<tr>
<th>Description</th>
<th>Form factor</th>
<th>Features</th>
<th>Processor(s)</th>
<th>Memory</th>
<th>Mezzanine slots</th>
<th>RAID controllers</th>
<th>Embedded NIC</th>
<th>Hard drives</th>
<th>Availability features</th>
</tr>
</thead>
<tbody>
<tr>
<td>M910</td>
<td>The PowerEdge M910 is a full-height, 4-socket AMD processor-based blade server with robust performance, flexibility, and throughput for maximized performance per watt and cost.</td>
<td>Full-height blade; up to 8 fit in an M1000e enclosure</td>
<td>2- or 4-socket, 8- or 12-core AMD processors 32 DDR3 DIMM slots Two Flexible LOM Internal dual SD module for hypervisor redundancy Advanced embedded systems management</td>
<td>Up to four AMD Opteron 6100 and 6200 series processors</td>
<td>Up to 512GB Up to 1333MT/s</td>
<td>4 mezzanine card slots for up to 3 fully redundant, highly available I/O fabrics</td>
<td>PERC H200 (6GB/s) PERC H700 (6GB/s)</td>
<td>Four modular Broadcom® BCM57095 Gigabit Ethernet NICS</td>
<td>Up to two 2.5&quot; SAS or SSD hot-plug drives</td>
</tr>
<tr>
<td>M820</td>
<td>The PowerEdge M820 is an Intel processor-based 4-socket, full-height blade server that delivers exceptional performance and scalability for core business applications or consolidated workloads.</td>
<td>Full-height blade; up to 8 fit in an M1000e enclosure</td>
<td>4-socket, 4, 6, or 8-core Intel processors 48 DDR3 DIMM slots Up to 1.5TB of RAM per blade or 12TB per M1000e chassis Advanced embedded systems management and Internal dual SD module for hypervisor redundancy</td>
<td>Up to four Intel Xeon E5-4600 product family processors</td>
<td>Up to 1.5TB Up to 1600MT/s</td>
<td>4 PCIe 3.0 mezzanine card slots for flexible I/O options</td>
<td>PERC H310 PERC H710 PERC H710P</td>
<td>2 Dual Port Select Network Adapters; 3 options of 4 x 10GbE</td>
<td>Up to four 2.5&quot; SAS, SSD or Express Flash PCIe SSD hot-plug drives</td>
</tr>
</tbody>
</table>

---

Dell PowerEdge M-Series Blade Servers Portfolio Guide
### Dell PowerEdge M1000e blade servers

<table>
<thead>
<tr>
<th>Description</th>
<th>Form factor</th>
<th>Features</th>
<th>Processor(s)</th>
<th>Memory</th>
<th>Mezzanine slots</th>
<th>Embedded RAID controllers</th>
<th>Embedded NIC</th>
<th>Hard drives</th>
<th>Availability features</th>
</tr>
</thead>
<tbody>
<tr>
<td>The PowerEdge M710 is an Intel processor-based, 2-socket, full-height blade server providing the bandwidth necessary for virtualization and performance-intensive business-critical applications.</td>
<td>Full-height blade; up to 8 fit in an M1000e enclosure</td>
<td>2-socket, 4- or 6-core Intel processors 18 DDR3 DIMM slots Excellent memory scalability Advanced embedded systems management</td>
<td>Up to two Intel Xeon 5500 or 5600 series processors</td>
<td>Up to 288GB Up to 1333MT/s</td>
<td>4 mezzanine card slots for up to 2 fully redundant, highly available, high-speed mezzanine card I/O options</td>
<td>PERC H200 PERC H700 SAS 6/iR CERC 6/i PERC 6/i</td>
<td>Four embedded Broadcom Gigabit NICs</td>
<td>Up to four 2.5&quot; SAS or SSD hot-plug drives</td>
<td>Three USB 2.0 bootable ports on front panel for floppy, CD/DVD, memory key, keyboard/mouse; embedded ATi RN50 video controller with 32MB memory; Integrated Dell Remote Access Controller (iDRAC6); flexible I/O options include 1/10 Gigabit Ethernet, 4/8GbE Fibre Channel, and DDR or QDR InfiniBand; Integrated Persistent Storage for Virtualization</td>
</tr>
<tr>
<td>The PowerEdge M710HD is an Intel processor-based, 2-socket, half-height blade server with extensive I/O flexibility and robust memory scalability for virtualization and workload consolidation.</td>
<td>Half-height blade; up to 16 fit in an M1000e enclosure</td>
<td>2-socket, 4- or 6-core Intel processors 18 DDR3 DIMM slots Excellent memory scalability Advanced embedded systems management</td>
<td>Up to two Intel Xeon 5500 or 5600 series processors</td>
<td>Up to 288GB Up to 1333MT/s</td>
<td>2 mezzanine card slots for flexible I/O options</td>
<td>PERC H200</td>
<td>Two embedded Broadcom® 5709 Gigabit Ethernet NICs</td>
<td>Up to two 2.5&quot; SAS or SSD hot-plug drives</td>
<td>Two USB 2.0 bootable ports on front panel for floppy, CD/DVD, memory key, keyboard/mouse; Integrated Dell Remote Access Controller (iDRAC), Integrated Dell LifeCycle Controller; Optional redundant embedded persistent storage for virtualization hypervisor</td>
</tr>
<tr>
<td>The PowerEdge M620 is an exceptionally feature-rich 2-socket blade server, and is designed for maximum performance combined with extreme density and power efficiency.</td>
<td>Half-height blade; up to 16 fit in an M1000e enclosure</td>
<td>2-socket, 2-, 4-, 6-, or 8-core Intel processors Up to 24 DIMM slots Advanced embedded systems management</td>
<td>Up to two Intel Xeon E5-2600 product family processors</td>
<td>Up to 768GB Up to 1600 MT/s</td>
<td>2 PCIe 3.0 mezzanine card slots for I/O options</td>
<td>PERC S110 PERC H310 PERC H710 PERC H710P</td>
<td>Dual Port Select Network Adapters; 3 options of 2 x 10GbE</td>
<td>Up to two 2.5&quot; SAS, SATA, SSD hot-plug drives or Up to two 2.5&quot; Express Flash PCIe SSDs</td>
<td>Hot-plug hard drives ECC memory Single Device Data Correction (SDDC) supports memory demand and patrol scrubbing; High availability failover cluster support</td>
</tr>
<tr>
<td>The PowerEdge M610 is an Intel processor-based, 2-socket, half-height blade server built for virtualization, mainstream business applications, and front-end database workloads.</td>
<td>Half-height blade; up to 16 fit in an M1000e enclosure</td>
<td>2-socket, 4- or 6-core Intel processors 12 DDR3 DIMM slots Advanced embedded systems management</td>
<td>Up to two Intel Xeon 5500 or 5600 series processors</td>
<td>Up to 192GB Up to 1333 MT/s</td>
<td>2 mezzanine card slots for flexible I/O options</td>
<td>PERC H200 PERC H700 SAS 6/iR CERC 6/i PERC 6/i</td>
<td>Two embedded Broadcom 5709 Gigabit NIC</td>
<td>Up to two 2.5&quot; SAS or SSD hot-plug drives</td>
<td>Two full-height, full-length 2nd Generation x16 PCIe expansion slots; Two USB 2.0 bootable ports on front panel for floppy, CD/DVD, memory key, keyboard/mouse; Integrated Dell Remote Access Controller (iDRAC); Integrated Dell LifeCycle Controller; Optional embedded persistent storage for virtualization hypervisor</td>
</tr>
</tbody>
</table>
### Dell PowerEdge M1000e Blade Servers

<table>
<thead>
<tr>
<th>Blades</th>
<th>Description</th>
<th>Form factor</th>
<th>Features</th>
<th>Processor(s)</th>
<th>Memory</th>
<th>Mezzanine slots</th>
<th>Embedded RAID controllers</th>
<th>Embedded NIC</th>
<th>Hard drives</th>
<th>Availability features</th>
</tr>
</thead>
<tbody>
<tr>
<td>M610x</td>
<td>The PowerEdge M610x is an Intel processor-based 2-socket, full-height blade server ideal for organizations with unique I/O or computational needs requiring industry-standard PCIe slots.</td>
<td>Full-height blade; Up to 8 fit into an M1000e enclosure</td>
<td>2-socket, 2-, 4-, 6-, or 8-core Intel processors 12 DDR3 DIMM slots PCIe expansion module for added flexibility Advanced embedded systems management</td>
<td>Up to two Intel Xeon 5500 and 5600 series processors</td>
<td>Up to 192GB Up to 133 MT/s</td>
<td>2 mezzanine card slots for flexible I/O options</td>
<td>PERC H200 PERC H700</td>
<td>Two embedded Broadcom 5709 Gigabit Ethernet NICs</td>
<td>Up to two 2.5” SAS or SSD hot-plug drives</td>
<td>Two full-height, full-length 2nd Generation x16 PCIe expansion slots; Two USB 2.0 bootable ports on front panel for floppy, CD/DVD, memory key, keyboard/mouse; Integrated Dell Remote Access Controller (iDRAC); Integrated Dell Lifecycle Controller; Optional embedded persistent storage for virtualization hypervisor</td>
</tr>
<tr>
<td>M520</td>
<td>The PowerEdge M520 is an Intel processor-based 2-socket, half-height blade server built for virtualization, mainstream business applications and front-end database workloads.</td>
<td>Half-height blade; Up to 16 fit into an M1000e enclosure</td>
<td>2-socket, 2-, 4-, 6-, or 8-core Intel processors 12 DDR3 DIMM slots Advanced embedded systems management</td>
<td>Up to two Intel Xeon E5-2400 product family processors</td>
<td>Up to 192GB Up to 1600 MT/s</td>
<td>2 PCIe 3.0 mezzanine card slots for flexible I/O options</td>
<td>PERC S110 PERC H310 PERC H710 PERC H710P</td>
<td>1 x 1GbE Dual Port LOM</td>
<td>Up to two 2.5” SAS or SATA SSD hot-plug drives</td>
<td>Hot-plug hard drives ECC memory Single Device Data Correction (SDDC) supports memory demand and patrol scrubbing High availability failover cluster support iDRAC7 with Lifecycle Controller for Blades (default), iDRAC7 Enterprise with Lifecycle Controller (upgrade option)</td>
</tr>
<tr>
<td>M420</td>
<td>The PowerEdge M420 is an Intel processor-based ultra-dense 2-socket, quarter-height blade server that allows up to 32 serviceable blade servers per chassis, offering an unprecedented high-performance computing environment.</td>
<td>Quarter-height blade; Up to 32 fit into an M1000e enclosure</td>
<td>Scaling up to 16-core processors 6 DDR3 DIMM slots Advanced embedded systems management</td>
<td>Up to two Intel Xeon E5-2400 product family processors</td>
<td>Up to 192GB Up to 1600 MT/s</td>
<td>1 PCIe 3.0 mezzanine card slots for flexible I/O options</td>
<td>PERC H310</td>
<td>1 x 1GbE Dual Port LOM</td>
<td>Up to two 1.8” SSD hot-plug drives</td>
<td>Hot-plug hard drives ECC memory Single Device Data Correction (SDDC) supports memory demand and patrol scrubbing High availability failover cluster support iDRAC7 with Lifecycle Controller for Blades (default), iDRAC7 Enterprise with Lifecycle Controller (upgrade option)</td>
</tr>
</tbody>
</table>
Dell M-Series: Design leadership for the future