



## PowerEdge FX2 Enclosure

The Dell PowerEdge FX2 enclosure is the uniquely small modular foundation for the PowerEdge FX architecture, an extremely flexible and efficient platform for building an IT infrastructure that precisely fits your computing needs.

The PowerEdge FX2 is a 2U hybrid rack-based computing platform that combines the density and efficiencies of blades with the simplicity and cost benefits of rack-based systems. With an innovative modular design that accommodates IT resource building blocks of various sizes — compute, storage, networking and management — the FX2 enables data centers to construct their infrastructures with greater flexibility.

### Flexible configurations, more choice

The initial release of the FX2 enclosure can be configured to hold four 1U half-width resource blocks, the PowerEdge FC630 server node or PowerEdge FM120x4 microserver. Future releases will support quarter- and full-width servers and a half-width storage block. There are two versions of the FX2 chassis — the “switched” configuration, PowerEdge FX2s, supports up to eight low-profile PCI Express® (PCIe) 3.0 expansion slots, and the “unswitched” FX2 configuration, a lower-cost alternative that does not offer expansion slots.

The FX2 enclosure also offers I/O modules to several I/O aggregators that can simplify cabling, improve East/West traffic within the server, and enable LAN/SAN convergence — reducing cost and complexity.

### The efficiencies of shared infrastructure

The FX2 enclosure allows servers and storage to share power, cooling, management and networking. It houses redundant power supply units (either 1600W or 1100W) and eight cooling fans. With a compact highly flexible design, the FX2 chassis lets you simply and efficiently add resources to your infrastructure when and where you need them, so you can let demand and budget determine your level of investment.

### Innovative management with intelligent automation

The Dell OpenManage systems management portfolio simplifies and automates server lifecycle management — making IT operations more efficient and Dell servers the most productive, reliable and cost effective. Dell’s agent-free integrated Dell Remote Access Controller (iDRAC) with Lifecycle Controller makes server deployment, configuration and updates automated and efficient. Using Chassis Management Controller (CMC), an embedded component that is part of every FX2 chassis, you’ll have the choice of managing server nodes individually or collectively via a browser-based interface.

OpenManage Essentials provides enterprise-level monitoring and control of Dell and third-party data center hardware, and works with OpenManage Mobile to provide similar information on smart phones. OpenManage Essentials now also delivers server configuration management capabilities that automate bare-metal server and OS deployments, replication of configurations, and ensures ongoing compliance with set system configurations.

PowerEdge FX2, the foundation of Dell’s revolutionary approach to converged infrastructure, combines blade density and efficiency with the cost advantages of rack servers.

Feature	PowerEdge FX2 technical specification
<b>Chassis enclosure</b>	<b>Form factor:</b> <ul style="list-style-type: none"> <li>2U chassis in height</li> </ul> <b>Dimensions:</b> <ul style="list-style-type: none"> <li>H: 8.68 cm (3.41 in)</li> <li>W: 43.35 cm (17.06 in) without rack ears; 48.19 cm (18.97 in) with rack ears</li> <li>D: 85.16 cm (33.52 in)</li> </ul>
<b>Server node options</b>	Up to 4 half-width Dell PowerEdge FC630 servers or PowerEdge FM120x4
<b>Power supplies</b>	Hot-plug PSUs: 1600W or 1100W AC in 1+1 redundant or 2+0 non-redundant configurations
<b>Cooling</b>	8 hot-swappable fans provide cooling to the I/O components in the system
<b>Communications</b>	2 pass-through module or choice of 3 networking FN I/O Aggregator modules <ul style="list-style-type: none"> <li>Dell PowerEdge FN410S: 4 ports SFP+</li> <li>Dell PowerEdge FN410T: 4 ports 10Gb Base-T</li> <li>Dell PowerEdge FN2210S: Either 2 ports 2/4/8G Fibre Channel (NPG mode) and 2 ports of SFP+ or 4 ports of SFP+ with reboot</li> </ul>
<b>I/O slots</b>	FX2s configuration: Up to 8 x PCIe 3.0 I/O expansion slots (low profile/half-length)
<b>Systems management</b>	<ul style="list-style-type: none"> <li>FX uses Chassis Management Controller (CMC) to manage all resources (server nodes and shared infrastructure) in a single web console</li> <li>OpenManage portfolio for FX supports local and remote management, consistent with other PowerEdge products</li> <li>CMC and iDRAC are available with either Enterprise or Express licensing to best suit specific management needs</li> <li>Server nodes each contain proven iDRAC8 with Lifecycle Controller for agent-free, automated systems management</li> </ul>
<b>Recommended support</b>	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> .

## 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.\*\*

Learn more at [Dell.com/PowerEdge](http://Dell.com/PowerEdge).

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February 2015 | Version 1.  
Dell\_PowerEdge\_FX2\_SpecSheet

