



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. You have a choice of a switched configuration with eight PCI Express® (PCIe) expansion slots enabled at the back of the enclosure, or a cost-optimized, entry-level option with Ethernet only.

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

End-to-end technology solutions

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