



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.

Flexible configurations, more choice

The FX architecture's innovative modular design supports IT resource building blocks of varying sizes (compute, storage, networking and management) so data centers have greater flexibility to construct their infrastructures. The FX architecture includes the following server nodes and storage block:

- **PowerEdge FC830:** 4-socket scale-up server with unprecedented density and expandability
- **PowerEdge FC630:** 2-socket shared infrastructure workhorse
- **PowerEdge FC430:** quarter-width, 2-socket server with outstanding density
- **PowerEdge FM120x4:** world's first enterprise-class microserver
- **PowerEdge FD332:** ultimate dense direct-attached storage with unprecedented flexibility

The FX2 chassis has two versions:

- **PowerEdge FX2s:** "switched" configuration supporting up to eight low-profile PCIe 3.0 expansion slots
- **PowerEdge FX2:** lower-cost "unswitched" configuration that does not offer expansion slots.

The FN I/O Module — purpose built for the FX2 — delivers choice for simplified network deployment and management, optimizing FX2 performance and enabling plug-and-play LAN/SAN convergence.

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 (2000W, 1600W or 1100W) and eight cooling fans. The FX2's compact flexible design, the FX2 lets you simply and efficiently add resources 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	PowerEdge FC830: Full-width: up to 2 FC830 per FX2 chassis PowerEdge FC630: Half-width: up to 4 FC630 per FX2 chassis PowerEdge FC430: Quarter-width: up to 8 FC430 per FX2 chassis PowerEdge FM120x4: Half-width: up to 4 FM120 per FX2 chassis PowerEdge FD332 storage block: Half-width: up to 3 FD332 per FX2 chassis for support of up to 16 x SFF 2.5" storage devices
Power supplies	Hot-plug PSUs: 2000W, 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	2 pass-through module or choice of 3 FN I/O Modules <ul style="list-style-type: none"> Dell PowerEdge FN410s 4-ports SFP+ provides 4 ports of SFP+ 10GbE connectivity. Supports optical and DAC cable media. Dell PowerEdge FN410t 4-port 10Gb Base-T provides 4 ports of 10GBASE-T connectivity. Supports cost effective copper media up to 100 meters. Dell PowerEdge FN2210s 4-port Combination Fibre Channel/Ethernet delivers up to 2 ports of 2/4/8Gbps Fibre Channel bandwidth (NPG mode and full fabric services and 2 ports of SFP+10GbE.) Also delivers up to 4 ports SFP+ 10GbE (with reboot).
I/O slots	FX2s configuration: 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 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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