# PowerEdge FC430

A quarter-width, two-socket FX architecture server, the Dell PowerEdge FC430 offers the ultimate in shared infrastructure density with the option for smaller, physically discrete servers.

With the perfect balance of performance, memory and high-speed I/O to rapidly deliver resources to applications, the FC430 is ideal for mainstream enterprise workloads, including midsized virtualization and database environments, and is an excellent choice for distributed environments needing higher levels of reliability. With the ability to host applications in smaller, physically discrete servers, the FC430 can help minimize the scope of potential system failures.

## Optimize for workload

The FC430 offers choices:

- Two 14-core Intel® Xeon® E5-2600 v3 processors, or a single-socket Intel Xeon E5-1600 v3 alternative
- Two 1.8-inch drives or one 1.8-inch drive with a front-access mezzanine port Mellanox® InfiniBand® connection.

All configurations have up to 8 DIMMs of memory and a dual port 10Gb LOM for networking. Each FC430 has access to one PCIe 3.0 expansion slot.

## Implement higher reliability

One of the FC430's distinguishing features is its quarter-width size. It can run multiple applications as a virtualized environment, or house the operations of different clients as a dedicated host. Either way, it offers the benefit of higher reliability through physical separation; one server failing does not disrupt the operation of virtual machines or clients running on other servers.

## Right-size your IT

React at the speed of business with the highly flexible FX architecture. Add resources to the chassis at the single server level or add one or more fully loaded 2U enclosures. An FX2 chassis fully loaded with eight FC430s has 224 cores and 48 DIMMs of memory available for processing — all in a dense 2U space.

## Innovative management with intelligent automation

The Dell OpenManage systems management portfolio simplifies and automates server life-cycle 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 FC430 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 FC430

- Choice of Intel Xeon E5-2600 or E5-1600 processors
- Front-access Infiniband option and PCIe 3.0 expansion slot
- Up to 8 DIMMS
- Up to 2 x 1.8" internal drives
- Dual-port 10Gb LOM

| Feature | PowerEdge FC430 technical specification |
|---|---|
| Form factor | Quarter-width – supports up to 8 sleds per PowerEdge FX2 enclosure |
| Processor | Intel® Xeon® processor E5-2600 v3 product family<br>**Processor sockets:** 2<br>**Cache:** 2.5MB per core; core options: 4, 6, 8, 10, 12, 14<br>**Chipset**: Intel C610 series |
| Dimensions | H: 4.03 cm (1.58 in), W: 1.03 cm (4.04 in), D: 5480 cm (18.89 in) |
| Memory[1] | Up to 256GB (8 DIMM slots): 4GB/8GB/16GB/32GB DDR4 up to 2133MT/s |
| I/O mezzanine cards | Access to 1 x PCIe 3.0 (x8) expansion slots |
| RAID controllers | **Internal controllers**: PERC S130 (SW RAID) |
| Primary storage | **Hot-plug hard drive options:**<br>Up to 2 x 1.8" uSATA SSDs |
| Optional adapters | Optional NICs and HBAs |
| Power supplies | Chassis level – PowerEdge FX2 hot-plug PSU: 2000W, 1600W AC in 1+1 redundant or 2+0 non-redundant configurations |
| Video card | Video type Matrox® G200 (integrated with iDRAC8)<br>Video memory: 16MB shared with iDRAC8 application memory |
| Systems management | • FX uses Chassis Management Controller (CMC) to manage all resources (server nodes and shared infrastructure) in a single web console<br><br>• OpenManage portfolio for FX supports local and remote management, consistent with other PowerEdge products<br><br>• CMC and iDRAC are available with either Enterprise or Express licensing to best suit specific management needs<br><br>• Server nodes each contain proven iDRAC8 with Lifecycle Controller for agent-free, automated systems management |
| Operating systems | Microsoft® Windows Server® 2008 R2<br>Microsoft Windows Server 2012<br>Microsoft Windows Server 2012 R2<br>Microsoft Windows® HPC Server 2008<br>Novell® SUSE® Linux Enterprise Server<br>Red Hat® Enterprise Linux<br>VMware® ESX®<br>For more information on the specific versions and editions, visit Dell.com/OSsupport. |
| 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. |

For more information about the FX architecture, visit the PowerEdge FX product page on Dell.com.

[1] GB equals 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

# 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.**

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