POWEREDGE FC630

An impressively powerful two-socket FX converged architecture server, the Dell PowerEdge FC630 is designed to be a workhorse for data centers looking for new levels of efficiency and density in an incredibly small footprint.

With powerful processors, impressively large memory and highly scalable I/O capabilities, the PowerEdge FC630 excels at running applications for midsize and large businesses, like enterprise resource planning and customer relationship management. Combining exceptional performance and functional flexibility, the FC630 is also ideal for large databases or substantial virtualization environments.

Flexible, scalable, powerful

Powered by up to two 22-core Intel® Xeon® E5-2600 v4 processors, each FC630 has 24 DIMMs of memory, two 2.5-inch or eight 1.8-inch front-access drives, a 10GB SNA and access to two PCI Express® (PCIe) expansion slots in the shared chassis.

Fit the infrastructure to the job

With the capability to handle demanding business applications and the databases that support them, the future-ready FC630 is the perfect building block for the core of a corporate data center. Offering exceptional performance and a rich set of storage options, including the FD332 storage block with up to 16 direct attached drives, the FX architecture enables you to build an infrastructure that is tailor-made to suit your unique IT requirements.

The efficiencies of shared infrastructure

FC630 servers are housed in the FX2 enclosure — a 2U rack-based converged platform that delivers the density of a blade architecture with the simplicity and cost benefits of rack-based systems — all in a compact modular design. The FX2 delivers efficiency through shared power, cooling, networking, and management, as well as PCIe expansion slots and I/O module options that enable DAS, SAN or NAS storage.

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 up-dates automated and efficient. Using Chassis Man-agement Controller (CMC), an embedded component that is part of every FX2 chassis, you'll have the choice of managing FC630 serer 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 FC630

- Up to 24 DIMMs of DDR4 memory

- Powered by Intel Xeon processor E5-2600 v4 product family

- Access to 2 PCIe 3.0 slots and dual-port 10GB SNA

Feature	Technical specification
Form factor	Half-width – supports up to 4 sleds per PowerEdge FX2 enclosure
Dimensions	H: 4.03 cm (1.58 in) W: 21.09 cm (8.3 in) D: 50.83 cm (20.01 in)
Processor	Intel® Xeon® processor E5-2600 v4 product family **Processor sockets:** 2 **Cache:** 2.5MB per core; core options: 4, 6, 8, 10, 12, 16, 18, 22 **Chipset:** Intel C610 series
Memory[1]	Up to 1.5TB (24 DIMM slots): 4GB/8GB/16GB/32GB/64GB DDR4 up to 2400MT/s
I/O mezzanine cards	Access to 2 x PCIe 3.0 (x8) expansion slots
RAID controllers	**Internal controllers:** PERC S130 (SW RAID), PERC H330, PERC H730, PERC H730P
Primary storage	Hot-plug hard drive options: PowerEdge Express Flash NVMe PCIe SSD, SATA HDD/SSD or SAS HDD/SSD Up to 8 x 1.8" SSD or 2 x 2.5"
Optional adapters	Optional NICs and HBAs
Power supplies	Chassis level – PowerEdge FX2 hot-plug PSU: 2000W, 1600W AC or 1100W AC in 1+1 redundant or 2+0 non-redundant configurations
Video card	Video type Matrox® G200 (integrated with iDRAC8) 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 · 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
Operating systems	Microsoft® Windows Server® 2008 R2 Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 Novell® SUSE® Linux Enterprise Server Red Hat® Enterprise Linux VMware® ESX® For more information on the specific versions and editions, visit Dell.com/OSsupport.

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.

Recommended services

ProSupport Plus with SupportAssist provides proactive and predictive support for critical systems. ProSupport provides comprehensive hardware and software support. Get more from your technology starting on day one with ProDeploy Enterprise Suite deployment offers. For more information, visit Dell.com/itlifecycleservices.

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 EMC for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell EMC 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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