



POWEREDGE FD332 STORAGE BLOCK

A half-width storage block, the Dell PowerEdge FD332 provides up to 48 direct-attached small form factor (SFF) storage devices in an FX2 chassis, enabling dense, highly flexible, scale-out computing solutions.

The FX architecture brings greater flexibility and density to data center infrastructures with relatively “bite-sized” blocks that enable you to add resources incrementally and tailor an infrastructure optimized for specific workloads. PowerEdge FD332 delivers on the storage component of the FX promise.

With up to 16 devices in each FD332, you can flexibly provision up to 48 SFF storage devices in a 2U FX2 chassis. (This example leaves one half-width slot to house a PowerEdge FC640 for processing.) The flexibility provided by FX architecture modular components results in 2U rack computing with massive direct-attached storage (DAS) capacity, enabling a pay-as-you-grow IT model.

FX servers can be attached to a single FD332, or multiple FD332s, and can either attach to all 16 devices in the block or, when using dual RAID controllers, split access and attach to eight devices separately. So, you can combine FX servers and storage in a wide variety of configurations to address specific processing needs. Additionally, software can be employed to pool storage attached to multiple controllers or multiple FD332s across FX servers. With the latest support for Dell EMC HBA330, VMware vSAN environments are supported with FX2 and FD332.

Each FD332 accommodates up to 16 hot-plug SAS or SATA drives (SSD/HDD) in a side-loading, front removable drive bay sleeve. Drives are independently serviceable while the FX2 chassis is in operation.

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. Because the FD332 is direct-attached storage, it is monitored by iDRAC - just like any DAS storage on any PowerEdge server. Using the Chassis Management Controller (CMC), an embedded component that is part of every FX2 chassis, you’ll have the choice of managing components individually or collectively via its browser-based interface. The CMC gives an administrator the choice of connecting one or two controllers on the FD332 to one or two hosts. This can also be done via Dell’s RACADM commands via the iDRAC.

Workloads love it

The FD332’s flexibility and scalability enable it to span customer environments from traditional IT to cutting-edge service providers. The FD332 is an excellent option for enabling dense virtual SAN clusters by combining compute and storage blocks. It can also help consolidate applications like Hadoop that require high-performance, low-cost scale-out storage. It’s also ideal for database-driven centralized software that needs scale-up and scale-out capability. With HBA330 support, the FD332 is vSAN-ready, enabling higher performance operations, and available in single or dual configurations. The FD332 can support Microsoft Windows Spaces Direct, with certification coming in the near future.

PowerEdge FD332

- Up to 16 x 2.5-inch drives
- SAS or SATA, HDD or SSD
- Hot-pluggable
- Optional dual RAID controller for split access
- Now supports VMware vSAN via Dell EMC HBA330

PowerEdge FD332

Features	Technical Specification
Form factor	Half-width – supports up to 16 small form factor 2.5" storage devices Up to 3 FD332 storage blocks per PowerEdge FX2 enclosure (configuration dependent)
Dimensions	H: 40.15 mm (1.58 in) W: 211.9 mm (8.32 in) D: 518.8 mm (20.43 in)
Enclosure	Dell PowerEdge FX2 Enclosure
RAID controllers	Internal Controllers: FD33xS (Single PERC), FD33xD (Dual PERC). Default is HBA mode; upgradeable to RAID mode via license. HBA330: FD332xS_HBA (Single), FD332xD_HBA (Dual)
Hot-plug hard drive options	SATA HDD/SSD or SAS HDD/SSD Up to 16 x SFF storage devices per FD332
Power supplies	Supplied by the FX2 enclosure
Remote management	iDRAC9 Express with Lifecycle Controller (default) iDRAC9 Enterprise with Lifecycle Controller (upgrade option)
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 iDRAC9 with Lifecycle Controller for agent-free, automated systems management

For more information about the FX architecture, visit the [PowerEdge FX product page on Dell.com](#).

Recommended services

ProSupport Plus with SupportAssist provides automated 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 [DellEMC.com/Services](#)

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