

IBM System x iDataPlex dx360 M2



Highlights

- ***Flexible design for data centers with constrained floor space, power and cooling***
- ***Half-depth server form factor dramatically reduces power and cooling needs***
- ***Simplified systems management, common management tools with other IBM® System x® platforms***

Designed for data centers that require high performance, yet are constrained on floor space, power and cooling infrastructure, the IBM System x iDataPlex™ dx360 M2 provides an innovative, half-depth solution optimized for maximum density and incredible efficiency. Featuring the latest intel® Xeon® Processor 5500 series and DDR-3 memory, the dx360 M2 is easy to manage and delivers outstanding performance in a flexible platform that can be tailored to your data center's processing, storage or I/O needs.

For high-performance computing, the dx360 M2 allows you to pack more processors into the same power and

cooling envelope as traditional servers, better utilizing floor space and optimizing the data center. The flexible design of the dx360 M2 enables the right compute, storage or I/O capabilities required in your data center.

The innovative, half-depth form factor of the dx360 M2 reduces the airflow required across the components, lowering the power needed for cooling. High-efficiency power supplies, larger better-optimized fans in the 2U chassis, and power management capabilities provide further efficiencies to minimize the dx360 M2's power requirements.

The dx360 M2 is simple to manage on a server level or at a rack level as part of an iDataPlex rack. IBM ToolsCenter provides common management across all System x servers, making the dx360 M2 easy to incorporate into your data center.

IBM System x iDataPlex dx360 M2 at a glance

Form factor/height	Half-depth, 2U Flex chassis or 3U storage chassis
Processor (max)	Intel® Xeon® 5500 series quad-core up to 2.93 GHz
Number of processors (std/max)	2
Cache (max)	4 MB to 8 MB
Memory ¹ (max)	Up to 64 GB DDR-3 1333 MHz via 16 DIMM slots
Expansion slots	1 slot PCI-Express x16 electrical/x16 mech (Gen 2), 2 x8 PCI-Express
Disk bays (total/hot-swap)	Up to five 3.5" (2U) or 12 3.5" (3U storage density)
Maximum internal storage ^{1,2}	12.0 TB (3U storage chassis)
Network interface	Integrated dual Gigabit Ethernet plus configurable dedicated management port—optional I/O adapters for 10 Gigabit Ethernet, InfiniBand DDR
Power supply (std/max)	900 W high efficiency (per two servers)
Hot-swap components	Hot-swap HDDs in 3U storage dense configuration
RAID support	Integrated RAID-0, -1, optional RAID-5, -6, -10 via optional I/O controller
Systems management	IBM Systems Director including IBM Systems Director Active Energy Manager™, Integrated Management Module (IMM) with optional remote KVM support
Operating systems supported	Red Hat Enterprise Linux® 5, Red Hat Enterprise Linux 4, SUSE Linux Enterprise Server 10, Microsoft® Windows Server® 2008 including HPC Edition, Microsoft Windows Server 2003 R2 including Microsoft Windows® Compute Cluster Edition
Limited warranty ³	3-year customer replaceable unit and onsite limited warranty

For more information

Contact your IBM representative or IBM Business Partner or visit:
ibm.com/systems/x/hardware/idataplex.html

¹ Maximum internal hard disk and memory capacities may require the replacement of any standard hard drives and/or memory and the population of all hard disk bays and memory slots with the largest capacity supported drives available. When referring to variable speed CD-ROMs, CD-Rs, CD-RWs and DVDs, actual playback speed will vary and is often less than the maximum possible.

² When referring to storage capacity, TB = 1,000,000,000,000 bytes. Accessible capacity is less.

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