

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	Optional RAID-0, -1, -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.

³ IBM hardware products are made from new parts, or new and serviceable used parts. Regardless, our warranty terms apply. For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC 27709, Attn: Dept. JDJA/B203. IBM makes no representation or warranty regarding third-party products or services, including those designated as ServerProven or ClusterProven.



© Copyright IBM Corporation 2009

IBM Systems and Technology Group
Route 100
Somers, NY 10589

Produced in the United States of America
March 2009

All Rights Reserved

This publication could include technical inaccuracies or typographical errors. This publication was produced in the United States. IBM may not offer the products, services or features discussed in this document in other countries, and the information may be subject to change without notice. References herein to IBM products and services do not imply that IBM intends to make them available in other countries. Consult your local IBM business contact for information.

IBM, the IBM logo, ibm.com, iDataPlex and System x are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at ibm.com/legal/copytrade.shtml.

Microsoft, Windows and Windows Server are trademarks of Microsoft Corporation in the United States, other countries or both.

Intel and Xeon are registered trademarks of Intel Corporation or its subsidiaries in the United States, other countries or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries or both.

Other product, company or service names may be trademarks or service marks of others.



Recyclable, please recycle.

XSD03038-USEN-02