



**REASONS TO THINK ABOUT** HIGH-PERFORMANCE, AFFORDABLE, 64-BIT IBM SERVERS WITH INTEL® XEON<sup>™</sup> PROCESSORS.



24 **MICROSOFT®** READY.

36 **RESILIENT ENOUGH** TO HELP WEATHER THE UNTHINKABLE.

42 FASTER THAN EVER.

15

IBM GLOBAL

FINANCING.

51

HOT-SWAPPABLE,

REDUNDANT

COMPONENTS.

50

29

ISV EMBRACED.

**XTENDED DESIGN** 

ARCHITECTURE."

9

HIGHLY RELIABLE.

39

VISIBLE

ALERTS.

16 **IBM STORAGE-**SERVER COMPATIBILITY.

4(

PREDICTIVE

CALIBRATED VECTORED COOLING™ TECHNOLOGY.

37

UPTIME!!!

FAILURE ANALYSIS. FULL SUPPORT FOR INTEL'S EM64T MEMORY

CAPABILITIES.

38 BRAND-NEW, FASTER I/O FEATURES.

61 **MIGRATE WHEN** YOU WANT TO.

43 BETTER PERFORMANCE.

> 55 8 DIMM SLOTS.

34 **IBM EXPRESS** PORTFOLIO.™

> 30 CHIPKILL<sup>™</sup> MEMORY OPTIONS.

10 SIMPLE SWAP DRIVES.

27 SUSE LINUX READY.

12









26 REDHAT READY.

25 LINUX<sup>®</sup> READY.

THE X226.

58 POWERFUL INTEL<sup>®</sup> XEON™ PROCESSORS.

60 **ENHANCES** 32-BIT APPS.

20 INCREASED PRODUCTIVITY.

> 46 NEW LEVELS OF PERFORMANCE DENSITY.

63 HIGHLY AVAILABLE.

MODULAR EXPANSION OPTIONS.

9

FOOTPRINTS

IBM

eretaniani 🖬

5

START AT 1U X 27."

57

47 EASY TO MANAGE.

3 **REMOTE MANAGEMENT** FROM ANYWHERE ON THE NETWORK.

2 LOW, LOW TCO.

OPTIMIZED

FOR RACKS.

INTEGRATED RAID.

3

THE X336.

33

14 24-HOUR REMOTE SUPPORT.

THE R. O. LEWIS CO., LANSING MICH.

THE X346.

4

THE DS300 STORAGE ATTACHMENT.

45 HIGHLY FLEXIBLE.

UNBELIEVABLY ADVANCED SYSTEMS MANAGEMENT.

6 THE DS400 STORAGE ATTACHMENT.

28 VIRTUALIZATION OPTIONS.

62 BETTER PERFORMANCE WITH NEW INTEL XEON PROCESSORS.

52 AFFORDABLE.

8 PRICES START AT \$1,179.1

> 18 ULTRA SCALABLE.

23

MEMORY MIRRORING.

35

**FROM YOUR** 

VOCABULARY.

17 PLUG AND PLAY.





32 FOUR HARD DRIVES IN A 1U SERVER.









REMOVE "ADD AN APP, ADD A SERVER"







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### WHY IBM?

The IBM eServer<sup>™</sup> xSeries<sup>®</sup> family with Intel Xeon Processor-based Xtended Design Architecture is the next-generation architecture designed, priced and supported for businesses of every size. Giving you unbelievably high performance at an unbelievably low price.

The entry-level x226 is the most affordable xSeries system in the 2-way space. The x236 offers maximum internal scalability in an IBM industry-standard tower. Our x336 gives you new levels of performance density in a 2-way rack-mounted system. And the x346 offers exceptional scalability and flexible growth in a 2U system.

Of course, all of these systems are powered by stateof-the-art 64-bit Intel<sup>®</sup> Xeon<sup>™</sup> Processors.

Now let's talk about storage attachments for your eServer xSeries systems. Let's talk IBM TotalStorage<sup>®</sup> systems. The entry-level DS300 is for businesses of any size. Rack-ready, it's designed to let you pay as you grow. The very hard to outgrow DS400 is xSeries storage to the max. Fast. Expandable. And it scales up to 5.8 terabytes.<sup>2</sup> Both share reliability and data protection features found in IBM eServer solutions.

## WHY 64-BIT?

IBM's innovations are ideal complements for 64-bit Intel Xeon Processors: light path diagnostics; Calibrated Vectored Cooling; remote monitoring; 8 DIMM slots. We've got it all.

IBM eServer xSeries systems are cost-effective by almost every measure of TCO. And almost every measure of ROI. They fit in standard racks and are easily scalable.

Our new Xtended Design Architecture works with your 32-bit industry-standard apps. And your new 64-bit industry-standard apps. And those 32-bit and 64-bit apps that are still on the drawing board.

# WHY NOW?

This is the future. This is where developers are going. Where the industry standard is forming. Where business is headed.

The transition is well under way. Above all, 64-bit is stable. It's reliable. It's powerful. It's fast. It's here. And we're paving the way.

Every 64-bit-enabled xSeries server is designed to have more memory, which allows you to run more powerful apps. And if you're reticent about making the move to 64-bit, relax. Xtended Design Architecture actually enhances your 32-bit apps, so you can do more with what you already have. Do more now. Do more later. Do more period with 64-bit Intel Xeon Processors and IBM Xtended Design Architecture.

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Now, what if you're a mid-sized business with little or no IT staff? Enter the IBM Express Portfolio. All of the above xSeries and storage products offer Express models, specifically designed and optimized for midsized businesses. IBM Express offerings are easy to configure. Easy to install. Easy to manage. And easy on the checkbook.

IBM EXPRESS PORTFOLIO-BUILT FOR MID-SIZED BUSINESSES.

# **ON** DEMAND BUSINESS<sup>®</sup>

These servers and storage units are designed with one thing in mind – you. It's an exciting story. You need to learn more at **ibm.com**/eserver/64reasons



<sup>1</sup>IBM web price for the xSeries 226 (2.8 Ghz processor, 512 MB memory, 80 GB SATA HDD), current as of 10/18/04, and is subject to change without notice. Starting price may not include a hard drive, operating system or other features. Price does not include tax or shipping. Reseller prices may vary. See www.pc.ibm.com/us/eserver/xseries. IBM does not warrant non-IBM products. <sup>-</sup>Terabyte equals one trillion bytes when referring to total disk drive capacity. Accessible capacity may be less. IBM, the e-burporations in the United States and/or other countries. Intel, Intel Inside, the International Business Machines Corporation in the United States, other countries, or both. Microsoft and Windows NT are trademarks of Microsoft Corporation in the United States, other countries, or both. Other company, product and service names may be trademarks or service marks or service marks or service marks or other. <sup>©</sup>IPM States and Windows NT are trademarks of Microsoft Corporation in the United States, other countries, or both. Other company, product and service names may be trademarks or service marks or others. <sup>©</sup>IPM States and States a