

A SMART INVESTMENT FOR YOUR BUSINESS

HOW SERVERS CAN HELP YOUR BUSINESS DO MORE

Computing needs are becoming increasingly sophisticated in businesses of all sizes. Applications are more demanding and the value of your data is enormous. You need a versatile server platform to meet your broad range of business needs.

THE INTEL® XEON® PROCESSOR E3-1200 V6 PRODUCT FAMILY: POWER, RELIABILITY, AND SECURITY

With the latest servers powered by the Intel® Xeon® processor E3-1200 v6 product family, you can access information faster and respond to customers sooner from any device. For small and medium sized businesses, regardless of whether you are using a desktop PC or an outdated server, upgrade your infrastructure for more power, reliability and security.



PRODUCTIVITY

The Intel® Xeon® processor E3-1200 v6 product family delivers:

- Up to 1.57 times more performance versus a 4 year old PC to run business-critical applications faster^{1,2}
- Adaptive performance that spikes when your workload demands it
- Up to 2 times increased data throughput because of support for PCI Express* 3.0 interface^{1,2,3}



SECURITY

Safeguard data and help keep business more secure with:

- Accelerated encryption and decryption of sensitive data and files with Intel® Data Protection Technology⁴
- Protection from unauthorized updates or changes to your system with Intel® Platform Protection Technology⁴
- Enhanced security and performance of a wide range of security applications with Intel® Data Protection Technology⁴



RELIABILITY

Intel® Xeon® processor E3-1200 v6 product family-based servers help keep businesses running smoothly around the clock and minimize data loss with:

- Error-correcting code memory that automatically checks for errors⁴
- Redundant storage for quick recovery in case of hard drive failure⁴

A small investment can make a big difference. Keep your company's data easily accessible and better protected with an affordable Intel® Xeon® processor E3 family-based server.

HOW YOUR SERVER AND THE CLOUD WORK TOGETHER

A WINNING COMBINATION FOR YOUR BUSINESS

If you're like most small companies, your infrastructure involves both a private server and a cloud solution, offering an ideal foundation to protect and grow your business. Use this table as a guide for which tools and data are ideal for each.

SERVER

Choose an on-site server for:

- High application performance, supporting data-intensive workloads
- Rich control over your environment, including data and settings
- Independence from Internet connectivity

Run these apps on a server:

- Databases
- File and print services
- Collaboration applications
- Enterprise resource planning (ERP)
- Data analytics
- Engineering and design tools

Recommended Specs: Servers based on Intel® Xeon® processor E3-1200 v6 product family for small and medium sized businesses.

CLOUD

Choose cloud for:

- Easy manageability when you have limited IT resources
- Access to large-business capabilities and services
- Flexibility to scale up and down to meet your changing business needs

Run these apps in the cloud:

- E-mail
- Backup and recovery
- Customer relationship management (CRM)
- Human resources
- Video streaming
- Accounting

Recommended Specs: Ensure cloud service provider has your workloads running on genuine Intel processors by asking for servers powered by Intel® Cloud Technology.

As an Intel® Technology Provider, understanding servers is our business. Let us show you what a server based on the Intel® Xeon® processor E3-1200 v6 product family can do for your business' productivity, reliability, and security. Let us focus on your server so you can focus on your business.

1. Software and workloads used in performance tests may have been optimized for performance only on Intel® microprocessors. Performance tests such as SYSmark® and MobileMark® are measured using specific computer systems, components, software, operations, and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

2. 166 SPECint_rate_base2006 on i5-4670. 262 ESTIMATED SPECint_rate_base2006 on E3-1280v6.

1-Node, 1 x Intel® Core™ i5-4670 Processor with 8 GB (2 x 4 GB 2Rx4 PC3-12800U-11) Total Memory on Microsoft Windows 8.1 Pro, 6.3.9600 N/A Build 9600 using C/C++: Version 14.0.1.139 of Intel C++ Studio XE, for Windows; Libraries: Version 16.00.30319.01 of Microsoft, Visual Studio 2010 Professional SP1. Data Source: <http://www.spec.org/cpu2006/results/res2014q3/cpu2006-20140715-30456.html>, Benchmark: SPECint*_rate_base2006, Score: 166 Higher is better

1-Node, 1 x Intel® Xeon® E3-1280v6 Processor with 32 GB (4 x 8 GB DDR4 ECC UDIMM 2400MT/s) Total Memory on CentOS 7.1.1503 (Core) Kernel 3.10.0-229.14.1.el7.x86_64 using Compiler: Version 16.0 of Intel C++ Studio XE, for Linux; Data Source: Intel TR: 2449, Benchmark: SPECint*_rate_base2006, Score: 262 Higher is better

3. (PCIe® 3.0 Performance) 8 GT/s and 128b/130b encoding in PCIe® 3.0 specification enables double the interconnect bandwidth over the PCIe 2.0 specification. Source: pcisig.com/news_room/November_18_2010_Press_Release/.

4. Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software, or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer, or learn more at intel.com.

For more complete information about performance and benchmark results, visit intel.com/benchmarks.

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