



INTEL INSIDE® BETTER BUSINESS OUTSIDE.

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 V5 FAMILY: POWERFUL, RELIABLE, AND SECURE

With the latest servers powered by the Intel® Xeon® processor E3-1200 v5 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 For small and medium sized businesses, regardless of whether you are using a desktop PC or an outdated server, upgrade your infrastructure for a more powerful, reliable and secure solution.



POWERFUL

The Intel® Xeon® processor E3-1200 v5 family delivers:

- Up to 2.26x faster performance across range of graphics-intensive applications^{1,2}
- 1.43x more performance to run business-critical apps faster^{1,2}
- Adaptive performance that spikes when your workload demands it



SECURE

Safeguard data and help keep business more secure with:

- Accelerated encryption and decryption of sensitive data and files with Intel® Data Protection Technology³
- Protection from unauthorized updates or changes to your system with Intel® Platform Protection Technology³
- Enhanced security and performance of a wide range of security applications with Intel® Data Protection Technology³



RELIABLE

Intel® Xeon® E3-1200 v5 processor based servers keep businesses running smoothly around the clock and minimize data loss with:

- Error-correcting code memory that automatically checks for errors³
- Redundant storage for quick recovery in case of hard drive failure³
- Intel® Solid State Drive - 2.57x less likely to fail than a traditional hard drive⁴

A small investment can make a big difference. Keep your company's data easily accessible and better protected with an affordable Intel® Xeon® processor E3-1200 v5 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® E3-1200 v5 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 v5 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. Baseline system: Intel® Xeon® Processor E3-1275 v2, Intel HD graphics P400, 16GB (4x4GB DDR3-1600MHz ECC UDIMM), Western Digital WD2000FYYZ HDD, RHEL v6.3-2.6.32-278, ACRVMBY1.86C, IC13. Previous generation: Intel Xeon Processor E3-1276 v3 Supermicro 813M-3, X10SLM+-LN4f, Intel HD graphics P4600, 16 GB (4 x 4GB DDR3-1600MHz ECC UDIMM), Western Digital WD500GB HDD, RHEL6.5-2.6.32-431, 1.1a, IC14.

New Configuration: Intel Xeon Processor E3-1275 v5, RVP8 Skylake Reference Board, Intel HD Graphics P530, 16GB (2 x 8GB DDR4-2133MHz ECC UDIMM), Intel SSD 530 Serries 120GB model SSDSC2BW120A4, CentOS 7 - 3.10.0-123.el7.x86_64, SKLSE2R1.R00.X092.B00.1507130736, IC14.

3. 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.

4. Baseline comparable system: HGST HDS72202QALA330 2TB Hard Drive (1.57% AFR) as measured by Backblaze* May 2016 article "One Billion Drive Hours and Counting: Q1 2016 Hard Drive Stats", <https://www.backblaze.com/blog/hard-drive-reliability-stats-q1-2016/>.

Baseline Intel® SSD: DC S3510 1.6TB (0.44% AFR) as measure in the Intel SDD Data Center Family for SATA product brief [http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3x10-series-brief.html\(1.57-0.44\)/0.44=2.57](http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3x10-series-brief.html(1.57-0.44)/0.44=2.57).

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

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