

EXTRONPC

Technologies Built in to New Quad-Core Intel® Xeon® Processor-based Servers

What goes into a balanced server platform based on new Quad-Core Intel® Xeon® processors? Much more than your customers probably realize. That's why it's up to you to point out the tremendous value built in. Here's a rundown on how Quad-Core Intel Xeon processors and associated platform technologies can help you supercharge productivity, protect your business and manage technology investments more efficiently.



Quad-Core Processors

Multiply server performance. Multiply the possibilities. Quad-core processors have four complete processing units (cores) in a single chip, doubling processing capability without a comparable increase in power consumption. Quad-Core Intel® Xeon® processors enable servers to handle heavier workloads and server applications to process many simultaneous requests, such as e-mail and Web serving.

Dual Independent Bus Architecture

Dedicated data flow to each processor
Just like an assembly line, powerful servers with quad-core Intel® Xeon® processors need consistent data flow to maximize overall system performance. Intel has improved the architecture on new Quad-Core Intel® Xeon® processor-based servers to keep pace with higher levels of processing, memory, I/O and graphics performance.

Fully Buffered DIMM Memory

Memory that keeps pace with quad-core processing
Fully Buffered DIMM (FBDIMM) memory enables both increased capacity and memory bandwidth requirements needed to keep pace with the processor and I/O performance enhancements on today's quad-core server processors. In addition to providing up to three times the memory throughput(2) and four times the memory capacity of current Intel server platforms that use DDR2 memory, FBDIMM memory also offers innovative built-in data reliability and security features to help improve data access, integrity and automatic correction.

Intel® Extended Memory 64 Technology

Run faster today, move up to 64-bit computing tomorrow
Intel® Extended Memory 64 Technology extends the amount of server memory available to run a variety of operating systems and applications now and in the future. With Intel® Extended Memory 64, you have the flexibility to migrate to 64-bit applications when they're ready, while continuing to run their existing 32-bit applications. They'll enjoy an immediate speedup in today's applications and a smooth migration to 64-bit applications.

Intel® I/O Acceleration Technology

Accelerate and optimize server network performance
Intel® I/O Acceleration Technology (I/OAT) is a platform innovation that helps get network data to and from server applications faster while consuming far fewer CPU cycles. Customers' server applications can experience immediate benefits from Intel I/OAT because it works with existing Ethernet network infrastructure and requires no modification to current software applications. With Intel® I/OAT, your customers will enjoy better application and network responsiveness that scales with the network traffic workload and the number of users accessing their server.

Intel® Virtualization Technology

Make virtualization a reality
Virtualization lets you turn a physical server into multiple systems, or virtual machines, allowing multiple operating systems and applications to run independently inside a single platform. With Intel® Virtualization Technology, hardware enhancements built-in to the latest quad-core Intel® Xeon®-based server platforms, you and your customers will experience a more stable, robust and efficient virtual server experience. Differentiate your server business by offering virtualization services that can allow customers to migrate legacy applications onto new hardware, consolidate server functions running on more than one server into a single platform, and create cost-effective data backup solutions.

Intel® Active Server Manager

Remotely discover, heal, and protect customer servers
Improve the post-sales support offerings you provide to your customers with Intel® Active Server Manager. Track the health and status of connected servers, remotely diagnose and repair systems even when the operating system isn't running, and keep software and virus protection up-to-date across the network. Combined with a management software console, Intel Active Server Manager helps reduce on-site support costs while raising your service revenue opportunity.



Extron Server and Storage Products: a solid platform for Business Continuity

EXTRON NETSYSTEM & NETCLUSTER SERVERS

Extron NetSystem Performance Tower Servers are highly configurable, feature rich solutions available in freestanding and rack-capable formats. Built with high performance chipset technologies and designed for versatility, these general-purpose servers are rock-solid solutions for even the most complex business needs.

Ready to deliver on a host of business priorities such as performance, expandability, availability and ease of management, these multipurpose servers are prepared to run your mission-critical applications.



Extron NetCluster rack servers offer density without giving up scalability and uptime. Extron offers a competitive, comprehensive rack server offering. These complete lines of servers are offered in one, two, and four-way designs to help match your performance and scalability requirements. Availability features are not sacrificed in the name of density allowing use for critical applications while providing efficient use of space. Coupled with Extron NetStorage products, these rack dense servers offer a robust computing solution to the most demanding enterprise requirements.

Extron NetCluster Servers are designed to meet a host of business priorities, such as affordability, performance, scalability, space-optimization and support for mission-critical applications. All Extron NetSystem & NetCluster servers are powered by Quad-Core Intel® Xeon® processors and backed by award-winning Extron service and support.



Enterprise Platform Highlights:

- Tower configuration or rack-optimized form factors.
- Scalable Intel® processing power to help meet your needs.
- Redundant, hot-swap drives, power supplies, cooling fans and PCI slots help improve reliability and performance.
- Optional Extron Expandable RAID Controller (NetRAID).
- Optional Extron NetManager Module and Embedded Remote Access enable the remote management of servers around the corner ... or around the world.
- All Extron NetSystem Enterprise Servers are delivered with the Extron SysManager systems management CDs for installing, discovering, monitoring, and managing your server, at no extra charge!

EXTRON NETSTORAGE BACK-UP & STORAGE SOLUTIONS

Everyone needs help today storing more data, more reliably. Store more with new storage systems from Extron. The new Extron NetStorage systems can help businesses and home users take control of spiraling data storage volumes. Available in storage area network (SAN), network-attached storage (NAS), and direct-attached storage (DAS) configurations, Intel Storage Systems provide robust, flexible, scalable solutions that are easy to manage and easy to grow.



Extron NetStorage NAS family offers consolidated storage that is easy to use and quickly deployed in a variety of network environments. The comprehensive NAS offering includes solutions that range from entry-level to high-end.

UPS, TAPE BACK-UP, SOFTWARE, NETWORKING AND MORE...

Battery backups provide a temporary power source to bridge short power losses or to allow servers to complete current transactions and back-up to hard disk prior to shutting down. It helps protect systems from power surges.

Our direct model makes us a central resource for feedback from our broad customer base, enabling us to develop best practices as well as technology - solutions packages consisting of products and services that can be easily customized to fit your organization's unique needs.



Internal and external tape drives, tape autoloaders to automate the backup process, and tape libraries to allow for unattended backup and recovery. We have wide variety of media, capacities (10GB to multi TB) and speeds.

The ExtronPC system is managed by Bhinneka.Com. Represents an end-to-end offering of products to fit your particular business needs. Furthermore, Bhinneka.Com focuses on environments that benefit most for our customers, as a member of particular partnership with well-known vendors such as to be an Intel Premier Partner, Microsoft Gold Partner for System Builder, Symantec Software Partner, MGE UPS System Partner, Cisco Authorized Partner, and many more...



12,893 ITEMS LISTED
and STILL COUNTING...

We offer best practices, technical white papers and customer case studies so you can have the advantage of shared knowledge.

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Extron's normal terms and conditions apply and are available on request.

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