

Dell Precision 490 Workstation

Intel® Core™ Processors
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Ultimate performance, small footprint

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Ultimate Performance, Small Footprint

The Dell Precision™ 490 is a fully-featured high-performance workstation with a compact, flexible chassis design. With excellent scalability for its size, the 490 offers up to two Dual-Core Intel® Xeon® 64-bit processors, up to 32GB¹ of memory in four fully-buffered DIMM channels² and a wide range of high-performance OpenGL graphics cards. This all means that the Dell Precision 490 is an excellent choice for critical, compute-intensive workstation environments where space is a concern.



Multi-Core Intel Xeon Processors

The Dell Precision 490 is equipped with up to two Dual or Quad-Core Intel® Xeon® 5100 and 5300 series 64-bit processors for a total of up to eight execution cores in two sockets. Dual-Core Intel Xeon processors can deliver a substantial performance increase over Intel single-core processors for multi-threaded applications, multi-tasking environments or very demanding single-threaded applications. The new Intel Xeon 5100 and 5300 series features a new architecture, Intel Core micro-architecture, with a shorter pipeline, lower clock speeds and higher front side bus speeds designed to deliver higher performance levels than previous generation Intel Xeon processors. Multi-core processors allow your system to split tasks between separate processor cores so that they can share the load and get more done in less time. The cores can do more work per second, allowing you to run multiple or multi-threaded applications (DCC rendering and analysis applications) with noticeably quicker results.

"Run multiple applications with noticeably quicker results."

[See All Dell Precision 490 Tech Specs](#)



Credit: Image courtesy of Softimage Co., model provided by Blur Studio, Inc.

OpenGL Graphics

The Dell Precision 490 offers a wide range of high-performance graphics cards for many of the most demanding visual applications like computer-aided design (CAD), geographic information systems (GIS) and digital content creation. These graphics options are designed to handle the demands of 2D and 3D applications for all types of engineering, architecture and design. All Dell Precision 490 graphic options also support a dual-monitor configuration.

"OpenGL graphics for the most demanding visual applications."



The Reassurance of ISV Certifications

Dell partners with leading independent software vendors (ISVs) to certify system and application compatibility so that your applications can run seamlessly on Dell Precision workstations. With rigorous testing, Dell also targets flawless compatibility and optimized performance in demanding work environments such as computer-aided design (CAD), engineering, digital content creation, and oil and gas and medical imaging.

[Get a Workstation Recommendation by Application](#)



Save Energy, Save Costs

Pre-setting the BIOS to go into low power state after 30 minutes of inactivity enables the Energy Star-compliant Dell Precision Workstation to be extremely energy efficient. This high level of power management, combined with power factor correcting power supplies, flat panel displays, Intel Core™ 2 Duo Processors and Dell's thermally efficient BTX chassis design, can help conserve your resources and the earth's resources at the same time.



Storage Flexibility

The Dell Precision 490 supports up to three hard drives, each with up to 500GB³ space. This potential capacity of 1.5TB³ means you've got space to spare when storing important data and files. And with serial ATA (SATA) and serial attached SCSI (SAS) options with RAID 0, RAID 1 and optional RAID 5 support, you can configure your storage to meet a range of needs from storing large files, to backing up data, to improving performance with data-striping.



Planning For the Future

Scalability is a priority in workstation environments. The Dell Precision™ 490 provides excellent scalability with support for up to two Dual Core Intel® Xeon® processors, Genuine Windows® 7 Professional, up to 32GB³ of quad-channel² memory, and up to three hard drives for 1.5TB³ of storage. That way, you have flexibility when you're configuring your system and flexibility for growth in the future.

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