Innovation and Discovery with Intel-based Workstations

Remember when designers always built physical prototypes in order to determine whether or not the product would fail? You probably remember slide rules, too. But nobody uses them anymore, either.
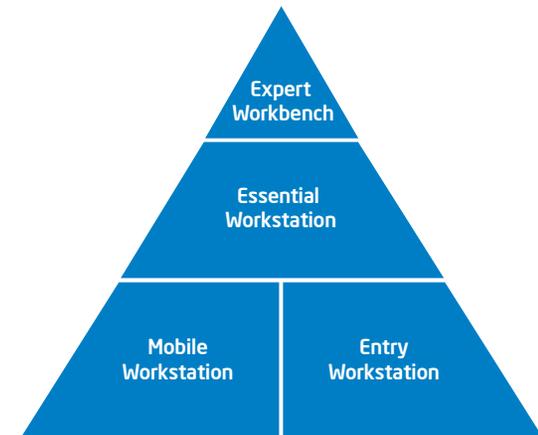
Today, designers and engineers are using 3D software to design and model, and Intel's family of workstation platforms provides a range of options to meet your needs. They give you the tools to multi-task more productively, iterate through alternatives faster, and innovate more.

Expert Workbench – Powered by two Intel® Xeon® processors 5600 series, today's expert workbench is nothing at all like the previous workstations, which may have struggled to design and simulate. This new breed powers digital prototyping and analysis-driven design, giving you the capability to rapidly play "what if?"

Essential Workstation – Optimized for the power user, the essential workstation gives you more capacity, performance, and reliability than an entry workstation. Based on the Intel® Xeon® processor 3600 series, these workstations easily handle 2D and 3D model generation and basic CAD, giving you the capacity and capability to accelerate your innovation.

Entry Workstation – As a creative professional, you need professional tools. Step up to workstations powered by the Intel® Xeon® processor E3 family. Entry-level workstations powered by the Intel Xeon processor E3 family deliver the intelligent performance and optimized, integrated Intel® HD Graphics P3000 you need for entry-level data analysis and content creation.

Mobile Workstation – Sometimes you need to be onsite and collaborate closely with your customers. Mobile workstations based on the new 2nd generation Intel® Core™ i7 vPro™ processors deliver performance nearly equal to the entry workstation so you can design with your customer, not just for your customer.

Expert
Workbench

Essential
Workstation

Mobile
Workstation

Entry
Workstation

Matching Your Needs to the Right Workstation

Computing System	Business Desktop	Mobile Workstation	Entry Workstation	Essential Workstation	Expert Workbench
Processor Options	2nd Gen Intel® Core™ i5 vPro™ or 2nd Gen Intel® Core™ i7 vPro™ Processor	2nd Gen Intel® Core™ i7 vPro™ Processor Family	Intel® Xeon® Processor E3 Family	Intel® Xeon® Processor 3600 Series	Two Intel® Xeon® Processors 5600 Series
Graphics Adapter	Integrated Intel® HD graphics optimized for business applications	Supports up to 1 discrete professional graphics adapter	Support for discrete professional graphics adapters with Intel® HD Graphics P3000	Supports up to 2 discrete professional graphics adapters	Supports up to 2 discrete professional graphics adapters
Memory Support	Up to 16 GB non-ECC	Up to 8 GB non-ECC	Up to 32 GB with ECC	Up to 48 GB with ECC	Up to 192 GB with ECC[1]
Application					
Business Applications (Typical User)	●	●●	●●	●●	●●
Business Applications (Power User)	○	●	●	●	●●
2D Design	○	●	●	●	●●
3D Design	○	●	●	●	●●
Model Generation	○	●	●	●	●●
Large Assemblies	○	○	○	○	●
Analysis-driven Design	○	○	○	○	●
Rapid Prototyping	○	○	○	○	●

●● Performance headroom for growth and innovation ● Ideal system ○ Not recommended

Visit www.intel.com/go/workstation to see which workstation is right for you.