10 reasons to choose workstations

Image provided by Dell Technologies

When you're choosing devices to help take your business to the next level, you have to decide: commercial PCs or workstations?
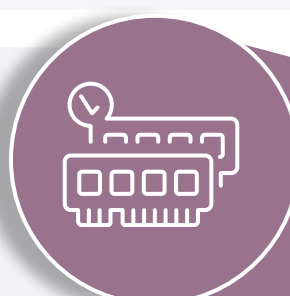
1 ISV certifications
- Specialized applications require specialized hardware
- Independent software vendors (ISVs) test and certify to guarantee smooth, reliable performance
- Teams working with specialized software may need ISV-certified drivers, CPUs, and GPUs for optimized performance

2 Enterprise-grade memory
- Workstations can offer advanced memory technologies that reduce memory corruption, increase speed, and improve serviceability
- Error-correcting code (ECC) memory can help improve reliability
- Compression Attached Memory Modules (CAMM) or Low-Power Compression Attached Memory Modules (LPCAMM) offer a more compact design and faster speeds
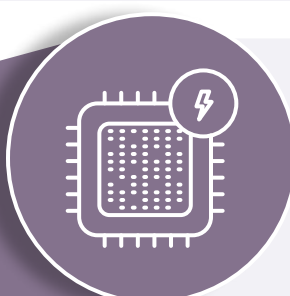
3 Extreme processing power
- Support resource-intensive, multi-threaded applications with CPUs containing higher core and thread counts
- Speed software development, AI/ML, computer-aided design (CAD), and rendering workloads
- Less time spent waiting can turn into higher productivity

4 Professional-grade graphics
- Workstations with professional-grade GPUs can boost performance beyond CPUs alone
- Process AI/ML, video editing, engineering, and rendering workloads faster
- Get more from your investment with superior GPU performance, which translates to streaming acceleration, faster loading, and clearer pictures for greater accuracy
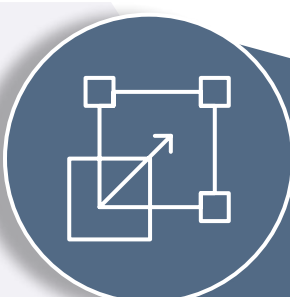
5 Next-gen AI capabilities
- Sustain the high performance that AI/ML workloads require
- Get the RAM and vRAM you need for increasingly large AI models
- Invest in tomorrow by preparing for an AI-forward future

6 Scalability
- Take advantage of form factors that can provide more powerful components
- Utilize multiple GPUs and resource pooling for intensive workloads
- Gain the flexibility to expand and swap out components

7 Reliability
- Extend the life of your investment, including upgrading components as necessary
- Save time for oversubscribed IT teams
- ISV certifications help ensure reliability for key applications

8 Cost
- Faster performance can add minutes, hours, or days of productive work back to your business
- With the ability to swap out and replace components, potentially keep your hardware in action longer
- You might see a higher purchase price than a standard PC—but also a faster ROI

9 Support
- Workstations may be eligible for enterprise-level manufacturer warranties and service agreements
- ISV certifications come with the potential for more frequent driver updates

10 Future-proofing
- The world is changing rapidly—and it shows no sign of slowing down
- Stay in front of tomorrow's technologies with a powerful workstation

Learn more in the report

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