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Amulet Hotkey Unveils Best-in-Class Density Workstations and Entry-Level Models with Intel Xeon E-2100 Processors

Three powerful data centre optimized workstations enable secure mobility to reinvent workflows and unleash creativity

NEWS HIGHLIGHTS

- **Unique Blade Workstation:** combines NVIDIA® Quadro® GPUs with Dell EMC PowerEdge FC640 to handle evolving workloads with the efficiency of blades and cost benefits of rack-based systems.
- **Breakthrough performance:** with NVIDIA Quadro P5000 GPUs designed for Dell EMC PowerEdge FX2 and M-series blades.
- **Entry-level Rack Workstation:** with Intel Xeon E-2100 processors and unique multi-monitor options for versatility and performance.

London, October 3, 2018 – Amulet Hotkey Ltd., a leader in design, manufacturing and system integration for remote physical and virtual workstation solutions, today announced key additions to the CoreStation workstation family based on the Dell EMC PowerEdge FX2, M-series and Dell Precision platforms.

Amulet Hotkey CoreStation data centre optimized workstation solutions help speed the design, visualization and simulation of anything from animation and movies to cars, airplanes and financial trading models. They allow valuable IP to be moved into the data centre to boost productivity, security and availability. Professionals can connect to graphics-intensive applications anytime, and from anywhere using Amulet Hotkey zero clients or mobile devices.

The CoreStation WFC640 blade workstation incorporates unique PCIe expansion modules and GPU cards to create a powerful platform to handle a broad range of tough workloads. Developed in collaboration with Dell EMC and NVIDIA product engineering teams, the Amulet Hotkey DXF-EXP-W modules can support up to eight NVIDIA Quadro professional GPUs within the FX2s chassis while maintaining the benefits of the FX2 architecture. The WFC640 delivers class-leading density and efficiency by fitting up to four multi-GPU and dual-socket workstations in an industry standard 2U rackmount form factor.

The DXM-P5000 mezzanine card for the CoreStation WM640 uses the NVIDIA Quadro P5000 GPU for a 2x increase in GPU memoryⁱ and 1.5x increase in GPU performanceⁱ while delivering scalability and efficiency. This enables new applications and workloads for blade workstations that were not previously possible.

The CoreStation WR3930 1U rack workstation is optimized for single threaded application performance at affordable price points. Intel Xeon E-2100 or 8th generation Core i7, i5, i3 processors deliver clock speeds up to 3.8 GHz / 4.7GHz turbo. Amulet Hotkey DXP4 PCIe cards enable unique multi-monitor options with multi-GPU and remote display protocol acceleration. When using Intel integrated graphics or full-size graphics cards, the Amulet Hotkey DXH4, a low-profile PCIe card provides remote access for up to four monitors. With a combination of NVIDIA Quadro P6000 graphics cards and Intel Core i7-8700K processors, the Dell Precision 3930 rack is the world's fastest workstationⁱⁱ.

"The need to deliver scalable and secure infrastructure with exceptional performance for demanding professionals is significant," said Tony Hilliard, global sales director, Amulet Hotkey Inc. "Our new CoreStation solutions combine powerful GPUs, flexible platform options and class-leading density to address this and help companies focus on innovation to gain a competitive edge."

"The NVIDIA Quadro P5000 redefines the graphics and compute performance of blade workstations with breakthrough capabilities for workflows infused with artificial intelligence and photorealism," said Bob Pette, vice president, professional visualization, NVIDIA. "Customers that need creative freedom while working with large datasets and complex models can turn to high-density workstations integrating NVIDIA Quadro GPUs and Amulet Hotkey technology."

"Today workforce transformation is being driven by need for increased productivity while optimizing graphic-intensive applications and customers are looking for solutions that drive performance and efficiency while delivering maximum return on investment," said Ron Pugh, vice President and general manager for the Americas, Dell EMC OEM Solutions. "We are excited to work with Amulet Hotkey on innovative solutions for our customers to increase productivity, creativity and accelerate growth."

Amulet Hotkey Centralized Workstation Key Benefits

- **Secure anywhere access:** to powerful workstations from the office, from home or from overseas offices. Connect with confidence using strong 256-bit AES encryption to protect your session and data.
- **Power and performance:** Intel Xeon and 8th generation Core processors combined with professional graphics and multi-GPU capability provide exceptional power to visualize and manipulate complex designs.
- **Small footprint:** up to four dual-socket workstations in the same space of a 2U rack workstation.
- **Increase productivity and security:** ensure datasets stay within the data centre on high-speed networks to boost application performance and avoid the use of old data across teams while increasing security.
- **Exceptional experience:** remote display protocol acceleration avoids loading the workstation CPU to safeguard application performance and deliver rapid encoding for multi-display and high frame-rate workloads.



CoreStation WFC640 features:

- Blade workstation optimized for performance, efficiency and scalability for the Dell EMC PowerEdge FX2s chassis.
- Based on the PowerEdge FC640 blade server using Intel Xeon Scalable processors with more cores and fast speeds for compute intensive workloads.
- Amulet Hotkey DXF-EXP-W PCIe expansion module with card options such as:
 - **DXF-G-P5000:** NVIDIA Quadro P5000 GPU, 16GB GDDR5, 2028 CUDA cores.
 - **DXF-G-M2200:** NVIDIA Quadro M2200 GPU, 4GB GDDR5, 1024 CUDA cores.
 - **DXF-H4:** KVM Extender Host card with a Teradici PCoIP Processor.
- Multi-protocol support: Teradici PCoIP, Citrix HDX, and Mechdyne TGX.
- Third party connection broker support such as Leostream and VMware Horizon.
- Connect using remote access devices such as Amulet Hotkey [DXZ Zero Clients](#) and mobile devices running software clients.



4x dual-socket workstations in 2U

CoreStation WM640 with NVIDIA Quadro P5000 features:

- Blade workstation optimized for performance, efficiency and scalability for the Dell EMC PowerEdge M1000e chassis.
- Based on the PowerEdge M640 blade server using Intel Xeon Scalable processors with more cores and fast speeds for compute intensive workloads.
- Amulet Hotkey DXM-P5000 mezzanine card using a Teradici PCoIP processor and NVIDIA Quadro P5000 GPU with 16GB GDDR5 and 2048 CUDA cores.
- Multi-protocol support: Teradici PCoIP, Citrix HDX, and Mechdyne TGX.
- Third party connection broker support such as Leostream and VMware Horizon.
- Connect using remote access devices such as Amulet Hotkey [DXZ Zero Clients](#) and mobile devices running software clients.



16x dual-socket workstations in 10U

CoreStation WR3930 features:

- Entry-level 1U rack workstation optimized for single threaded application performance based on the Dell Precision 3930 rack workstation.
- Intel Xeon E-2100 or Core i7, i5, i3 processor, 3.8 GHz up to 4.7GHz turbo speeds.
- Unique configurations options including multi-GPU support and hardware remote display protocol acceleration using Amulet Hotkey DXP4 2-in-1 Pro GPU and KVM Extender Host card.
- Multi-monitor support for quad high-resolution or octal display configurations.
- Third party connection broker support such as Leostream and VMware Horizon
- Connect using remote access devices such as Amulet Hotkey [DXZ Zero Clients](#) and mobile devices running software clients.



One workstation in 1U

Availability

The CoreStation WFC640, WM640 and WR3930 are available now.

For more information visit www.amulethotkey.com.

[About Amulet Hotkey](#)

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- i. Comparing NVIDIA Quadro P5000 to the previous generation Quadro M5000SE.
- ii. When equipped with NVIDIA Quadro P6000 Intel UHD Graphics 630 and Intel Core i7-8700K CPU @ 3.70GHz. Based on Dell internal analysis of publicly available SPECviewperf benchmark results, July 2018.

Attachments:

Press release photo:



CoreStation®
Datacenter Optimized Workstations

AMULET HOTKEY

Secure mobility to unleash your creativity

NVIDIA QUADRO **Best-in-Class Density - Breakthrough GPU Performance - New Intel E-2100 Processors** **intel**