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Intel Data Center GPU Flex Series

Solution Provider Quote Sheet

Sept. 27, 2022 — Intel Corporation today shared updates to The Intel® Data Center GPU Flex Series. First announced in August, the Flex Series is flexible and robust and the industry's most open graphics processing unit (GPU) solution for the intelligent visual cloud. It supports an open, standards-based software stack optimized for density and quality with critical server capabilities for high reliability, availability and scalability. It will now run popular industry AI and deep learning frameworks, including OpenVINO, TensorFlow and PyTorch. Driving the technology depends on close collaboration with an ecosystem of solution providers that help bring this GPU to life. Intel is privileged to have deep, longstanding relationships with the key players in this ecosystem.

Supporting quotes:

"Intel Data Center GPUs offer several feature highlights for professional video solutions that are of great interest to us. High-performance video encoder hardware and customizable encoder software architecture can help the video solutions of Arcvideo achieve a balance between quality and performance. The multilevel monitoring and fault tolerance mechanism from the code stream to the kernel guarantees the robustness of Arcvideo's high-density video services."

Huang Jin, CTO, Hangzhou Arcvideo Technology Co. Ltd.

"China Mobile Cloud Capability Center is accelerating the creation of computing power application products, such as cloud desktops, cloud computers, cloud games and cloud mobile phones. Computing power application products rely on the high-performance, cost-effectiveness and reliable GPU computing power provided by the cloud. Intel Data Center GPUs provide us with a more open, general-purpose, high-performance solution."

Lang Zhang, deputy general manager, China Mobile Cloud Capability Center

"Cisco and Intel have a long history of technical collaboration in delivering innovation for Cisco Unified Computing System (UCS) and Cisco HyperFlex hyper-converged infrastructure. We're excited about building upon our partnership to provide customers with accelerated compute capabilities for a wide range of modern workloads through an open, flexible architecture consisting of Cisco Intersight, UCS X-Fabric technology, and the new Intel Data Center GPU Flex Series."

Vikas Ratna, senior director, product management, Cisco

"Dell is collaborating with Intel to bring forth breakthrough innovations and technology, powering organizations to new levels with the Intel Data Center GPU Flex Series family of accelerators in Dell PowerEdge servers. Together we are enabling customers to accelerate their GPU-based outcomes for media analytics, inferencing, and VDI."

Rajesh Pohani, vice president, PowerEdge, HPC, and Core Compute, Dell Technologies

"In our testing, Intel's Data Center Flex Series GPUs deliver compelling AI inferencing performance required for realtime solutions like Smart Cities and other industry verticals. They do this while (thanks to Intel's OpenVINO) providing significantly easier AI development, deployment and management vs competitive discrete GPU options, making it a great choice for our customers."

Ken Mills, CEO, EPIC iO

"H3C adheres to the concept of open ecosystem to embrace the era of accelerated computing and is committed to meeting requirements of diversified scenarios with rich product portfolio. We believe that Intel Data Center GPU Flex Series will empower cloud gaming media, artificial intelligence and other industries. H3C is willing to join hands with Intel to create a bright and intelligent future."

Tao Tang, director of Server Product Management Department, Compute & Storage Product Line, H3C

"At HPE, we are committed to offering our customers choice, and, by doing so, we provide heterogeneous data center solutions to meet a variety of needs. We look forward to collaborating with Intel on the Intel Data Center GPU Flex Series to expand our support of AI workloads."

Dr. Arti Garg, chief strategist, AI Solutions, HPE

About Intel

Intel (NASDAQ: INTC), a leader in the semiconductor industry, is shaping the data-centric future with computing and communications technology that is the foundation of the world's innovations. The company's engineering expertise is helping address the world's greatest challenges as well as helping secure, power and connect billions of devices and the infrastructure of the smart, connected world – from the cloud to the network to the edge and everything in between. Find more information about Intel at newsroom.intel.com and intel.com.

"Inspur has always maintained a close relationship with Intel to jointly promote innovation in products and technologies to meet the growing computing needs of customers in the era of artificial intelligence. The Intel Data Center GPU Flex Series will provide strong scalability and can flexibly respond to diverse application scenarios in the market."

Jenny Jia, HPC and AI market specialist, Inspur

"Lenovo is focused on enabling customers to more easily deploy and leverage artificial intelligence. The Intel Data Center GPU Flex Series deliver performance benefits across some of the most demanding workloads, ranging from graphics, gaming and even AI inferencing. With the addition of the Flex Series GPUs, along with OneAPI, Intel is delivering the broadest range of compute on a scalable and open platform. Partnering with Intel on the expansion of compute architecture helps us better serve customers on their AI journey."

Scott Tease, vice president and general manager of HPC and AI, Lenovo

"As a leading global semiconductor company, Intel has been committed to building a world-class intelligent computing platform. Nettrix is willing to join hands with Intel to empower partners with digitalization and intellectualization with leading products and services and promote the iterative upgrade of the server industry."

Lane Zhao, CTO, Nettrix

"The Intel Flex Series card using OpenVINO in Intel Developer Cloud performed ResNet50 inference on real world MRI data from our collaborators at Stanford several times faster than the PyTorch and ONNX runtimes on other vendor GPU platforms we were previously using. Additionally, by using the AUTO feature available in OpenVINO we were able to observe linear scaling across several Flex Series cards, further multiplying the speedup."

Subutai, CEO, Numenta

"We're excited to start using the Intel Data Center GPU Flex Series to offer accelerator services on top of our bare metal cloud and better service our media transcoding encoding workloads by delivering on Intel Data Center GPU Flex Series. The challenges that the Intel Data Center GPU Flex Series helps us solve are being able to better perform on the media transcoding encoding workloads and open up new opportunities for us when it comes to streaming gaming clients."

Ian McClarty, president, phoenixNAP

"Based on combination advantages of Intel Xeon Scalable processor and Intel Data Center GPU product, Powerleader has created a new heterogeneous acceleration servers with Intel CPU+GPU which provides Data Center users with powerful graphics computing power and advanced AV1 codec capabilities, which perfectly meet the computing power requirements of users in multimedia processing, desktop cloud, cloud games, cloud reasoning and other industries, and provides users with a one-stop full stack computing facility service platform. We will continue to work with Intel to explore solutions for GPU products in diverse application scenarios such as computing, encoding and decoding, rendering, reasoning, etc., accelerate the population of AI application, promote AI industry development and further contribute to the digital and intelligent transformation of various industries."

Deng Kewu, IA BU general manager, Powerleader

"Supermicro will extend our media processing solutions by incorporating the Intel Data Center GPU. The new future solutions will increase video stream rates and enable lower latency Android cloud gaming. As a result, Android cloud gaming performance and interactivity will increase dramatically with the Supermicro BigTwin systems, while media delivery and transcoding will show dramatic improvements with the new Intel Data Center GPUs. The solutions will expand our market-leading accelerated computing offerings, including everything from media processing and delivery to collaboration and HPC."

Charles Liang, president, and CEO, Supermicro

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"As a leading cloud gaming and metaverse solution provider, Ubitus has been helping clients in games, fashion, real estate, telecommunication and manufacturing distribute their rich and interactive applications to their target audience globally. With the latest Intel Data Center GPU Flex Series, Ubitus can easily support 4K streaming and ray tracing features for gamers who enjoy the high-quality gameplay. Equally impressively, Ubitus can smoothly demonstrate immersive and vivid virtual world for participants in metaverse. Ubitus is excited and welcomes the arrival of Intel Flex Series, which can provide great performance and cost combination to our clients."

Wesley Kuo, CEO, Ubitus

"There is tremendous interest among our clients in rolling out vision-based solutions at scale, and frictionless checkout is a great example of this. We are constantly looking to improve performance for our vision checkout solutions and Intel's Data Center Flex Series GPUs are providing 3X better speed than existing discrete GPU alternatives. Powered by scalable OpenVINO inferencing software, we support multi-GPU edge servers powering multiple retail checkout stations. This is lowering total cost of ownership for operators and delivering outstanding user experience. UST Vision AI and our partner Xplorazzi are excited to take this to our clients and deliver meaningful outcomes."

Alexander Varghese, COO, UST

"At VR Vision, we're focused on industry-leading cloud-gaming solutions for our global customers. For VR Vision, Intel Data Center GPU Flex Series is the perfect choice for our Windows and Android cloud-gaming solutions. We see newer opportunities down the future, such as cloud VR, 4K and 8K video live-streaming, cloud workstation, and many more."

Crusoe Mao, founder, and CEO, VR Vision

"xFusion has been cooperating deeply with Intel in product research and development. FusionServer intelligent servers which will be equipped with Intel Data Center GPU Flex Series, can provide more flexible, powerful, and open AI computing power. In the future, xFusion will continue to release advanced servers based on Intel processors, helping customers' business succeed."

Tab Tang, president of General Purpose Server Field, xFusion