



Sidus Space Completes Design for FeatherEdge™ 248Vi: Advancing AI/ML Processing for Space and Defense Applications

CAPE CANAVERAL, Fla.--(BUSINESS WIRE)-- **Sidus Space (NASDAQ: SIDU)** ("Sidus" or the "Company"), an innovative space and defense technology company, today announced the successful completion of the design phase for its FeatherEdge™ 248Vi edge computer, a modular Artificial Intelligence (AI) and Machine Learning (ML) processor line that represents the next evolution in Sidus' Orlaith™ AI Ecosystem and is purpose-built to support spaceborne, aerial, and autonomous missions. Building on the proven on-orbit performance of FeatherEdge™ 100i, one of the first commercially operational space edge computers, the new 248Vi is engineered to deliver unmatched compute power and ruggedized reliability for mission-critical operations across all domains.

FeatherEdge™ 248Vi Key Features:

- 248 TOPS of AI Performance powered by NVIDIA® Jetson AGX Orin™ Industrial, enabling advanced multi-sensor perception, situational awareness, and near real-time decision-making
- 64 GB LPDDR5 ECC RAM and 680 GB pSLC NVMe SSD for high-speed data processing and storage
- SOSA®/ MOSA®- aligned 3U VPX design for seamless integration into defense and aerospace systems
- Expanded I/O including 10GbE, PCIe® Gen4, SpaceWire, and CANbus for flexible connectivity
- Ruggedized for Extreme Environments with conduction cooling, MIL-STD-810H compliance, and operational range from -40°C to +85°C.
- Radiation-tolerant architecture supporting LEO and GEO missions with up to 100 krad TID.

Compared to previous generations, FeatherEdge™ 248Vi delivers a 2.5x increase in AI compute capability and 4x memory capacity, while maintaining optimized Size, Weight, Power, and Cost (SWaP-C) for unmanned platforms, electronic warfare, and space and defense operations.

"Completing the design of FeatherEdge™ 248Vi marks a major milestone in our mission to redefine edge computing for space and defense," said Jim Larson, Senior Vice President, AI Strategic Initiatives at Sidus Space. "This cutting-edge high-performance computer sets the stage for advanced AI/ML applications in the most demanding environments and size constrained applications."

FeatherEdge™ 248Vi is expected to be available for delivery in early Q2 2026. The 248Vi is available in standalone format or as a part of the Fortis™ Maxima suite, which includes Sidus Single Board Computer (SSBC), Position, Navigation, and Timing (PNT), Global Positioning System (GPS) Receiver, Custom Input/Output (I/O) Card, Power Converter Card, and Software Defined Radio (SDR), delivering a comprehensive solution for advanced space and defense missions.

FeatherEdge™ 100i is commercially available for purchase. To reserve your FeatherEdge™ 248Vi, contact sales@sidusspace.com or visit www.sidusspace.com to place a pre-order.

About Sidus Space

Sidus Space (NASDAQ: SIDU) is an innovative space and defense technology provider offering flexible, cost-effective solutions, including satellite manufacturing and technology integration, AI-driven space-based data solutions, mission planning and management operations, AI/ML products and services, and space and defense hardware manufacturing. With its mission of Space Access Reimagined®, Sidus Space is committed to rapid innovation, adaptable and cost-effective solutions, and the optimization of space system and data collection performance. With demonstrated space heritage, including manufacturing and operating its own satellite and sensor system, LizzieSat®, Sidus Space serves government, defense, intelligence, and commercial companies around the globe. Strategically headquartered on Florida's Space Coast, Sidus Space operates a 35,000-square-foot space manufacturing, assembly, integration, and testing facility and provides easy access to nearby launch facilities. For more information, visit: www.sidusspace.com.

Forward-Looking Statements

Statements in this press release about future expectations, plans and prospects, as well as any other statements regarding matters that are not historical facts, may constitute 'forward-looking statements' within the meaning of The Private Securities Litigation Reform Act of 1995. These statements include, but are not limited to, statements relating to the expected trading commencement and closing dates. The words 'anticipate,' 'believe,' 'continue,' 'could,' 'estimate,' 'expect,' 'intend,' 'may,' 'plan,' 'potential,' 'predict,' 'project,' 'should,' 'target,' 'will,' 'would' and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: the uncertainties related to market conditions and other factors described more fully in the section entitled 'Risk Factors' in Sidus Space's Annual Report on Form 10-K for the year ended December 31, 2024, and other periodic reports filed with the Securities and Exchange Commission. Any forward-looking statements contained in this press release speak only as of the date hereof, and Sidus Space, Inc. specifically disclaims any obligation to update any forward-looking statement, whether as a result of new information, future events or otherwise.

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