

October 21, 2020



OSS Introduces New Gen 4 Expansion Platform for AI Edge Computing

ESCONDIDO, Calif., Oct. 21, 2020 (GLOBE NEWSWIRE) -- One Stop Systems, Inc. (Nasdaq: OSS), a leader in specialized high-performance computing, has expanded its PCI Express Gen 4 product line with the introduction of the [4U Pro](#), a Gen 4 professional expansion platform that delivers twice the performance of its popular Gen 3 solutions.

The 4U Pro offers a significantly enhanced and configurable feature set compared to the OSS Gen 4 4UV product launched earlier this year. At only 18.5" deep, the 4U Pro's proven OSS Gen 4 capabilities enables quick time-to-market for OSS customers with harsh and demanding edge computing applications.

The 4U Pro provides an industry-leading 1 terabit per second of low-latency PCIe externally-cabled interconnect between the latest high-performance servers and AI accelerators, which is ideal for powering large-scale AI data acquisition, training, and inference applications at the edge.

In addition to four Gen 4 x16 host connections, the 4U Pro features multiple slot configurations, including eight x16 slots that can support up to eight of the latest Gen 4 GPUs that deliver unprecedented acceleration and flexibility for AI, data analytics and HPC to tackle the world's toughest computing challenges.

The 4U Pro can also be configured with 16 x8 slots. They can be populated with 16 of Liquid's new [LQD4500](#) PCIe Gen 4 NVMe drives that can store more than 500 terabytes of datasets at industry-leading speeds, making the configuration ideal for the most demanding storage challenges.

The 4U Pro also supports and enables the high-performance edge computing ecosystem that includes many other PCIe Gen 4 CPUs, NICs, host adapters and FPGAs - all with OSS' proven Gen 4 interoperability. This often requires supporting a mix of x8 and x16 slots, which is also available on the 4U Pro. This level of flexibility, combined with OSS host adapters, riser cards and cables, provides a solid Gen 4 offering.

Initial customer interest includes industry leaders in instrumentation, measurement, factory automation, automotive, military, and other edge markets.

The 4U Pro sets the standard for high-performance AI workflows at the edge with other key features that include rugged frame-in-frame design, shock isolation, remote monitoring and control, AC or DC power supplies, OSS management software, and the ability to scale servers to an industry-leading density of 64 GPUs, FPGAs or NVMe drives using multiple systems.

The 4U Pro is compatible with OSS' Ion Accelerator SAN and NAS storage applications that deliver the industry's lowest-latency, as well as work with the widest suite of AI applications and frameworks. This enables a fast time-to-deployment with pre-trained AI models and popular frameworks, such as Tensorflow and PyTorch, which are critical to edge designs.

[Liqid](#), OSS' partner in delivering composable infrastructure solutions, recently [announced](#) a contract with the Department of Defense (DoD) to provide the world's largest composable high-performance computer to the U.S. Army. The project combines the OSS 4U Pro with Gen 4 GPUs and Liqid's LQD4500 FHFL NVMe add-in cards to achieve unparalleled compute and 56GB/s data storage throughput, which is more than double the performance from Liqid's previous generation product.

"OSS' leadership in PCI Express expansion technology allowed us to scale GPUs and NVMe storage in record time, enabling us to win this U.S. Army data center project," said Sumit Puri, CEO and co-founder of Liqid. "The flexibility, features, compatibility and pure speed of the 4U Pro unleashed the maximum capability of our software-defined composable infrastructure solution featuring Gen 4 GPUs and Liqid 'Honey Badger' NVMe drives."

David Raun, OSS president and CEO, commented: "The 4U Pro is an excellent addition to the OSS standard product line, offering new features, enhancements and capabilities for key applications that require a rugged platform on the edge which is backed by our trusted Gen 4 interoperability. The deployment of the U.S. Army with a valuable partner like Liqid, which utilizes the wide range of these features, is an ideal application that showcases the capabilities and benefits of our PCIe expansion technology."

OSS 4U Pro expansion platform is available to order today from the company's channel partners worldwide. It is also available directly from OSS at sales@onestopsystems.com or by calling toll free +1 (877) 438-2724.

About Liqid

Liqid provides the world's most-comprehensive software-defined [composable infrastructure](#) platform. The Liqid empowers users to manage, scale and configure physical, bare-metal server systems in seconds and then reallocate core data center devices on-demand as workflows and business needs evolve. Liqid Command Center software enables users to dynamically right size their IT resources on the fly. For more information, contact info@liqid.com or visit www.liqid.com. Follow Liqid on [Twitter](#) and [LinkedIn](#).

About One Stop Systems

One Stop Systems, Inc. (OSS) designs and manufactures innovative specialized high-performance computing modules and systems, including customized servers, compute accelerators, expansion systems, flash storage arrays and Ion Accelerator storage software. These products are used for deep learning, AI, defense, finance and entertainment applications, and empower scientists, engineers, creators and other professionals to push the boundaries of their industries.

OSS utilizes the power of PCI Express, the latest GPU accelerators and NVMe storage to build award-winning systems, including many industry firsts, for OEMs and government customers. The company enables AI on the Fly® by bringing AI datacenter performance to 'the edge' and on mobile platforms, and by addressing the entire AI workflow, from high speed data acquisition to deep learning, training and inference. OSS products are available

directly or through global distributors. For more information, go to www.onestopsystems.com.

Forward-Looking Statements

One Stop Systems cautions you that statements in this press release that are not a description of historical facts are forward-looking statements. These statements are based on the company's current beliefs and expectations. The inclusion of forward-looking statements should not be regarded as a representation by One Stop Systems or its affiliates that any of our plans or expectations will be achieved, including but not limited to, the performance of the 4U Pro interconnect, application compatibility, compatibility with Liquid or other 3rd party company hardware, application performance, the timing of the 4U Pro product shipments, or the fitness of the products for a particular DoD, US Army or edge application. Actual results may differ from those set forth in this press release due to the risk and uncertainties inherent in our business, including risks described in our prior press releases and in our filings with the Securities and Exchange Commission (SEC), including under the heading "Risk Factors" in our Annual Report on Form 10-K and any subsequent filings with the SEC. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof, and we undertake no obligation to revise or update this press release to reflect events or circumstances after the date hereof. All forward-looking statements are qualified in their entirety by this cautionary statement, which is made under the safe harbor provisions of the Private Securities Litigation Reform Act of 1995.

Media Contact:

Katie Rivera
One Stop Systems, Inc.
Tel (760) 745-9883
[Email contact](#)

Investor Relations:

Ronald Both or Grant Stude
CMA
Tel (949) 432-7557
[Email contact](#)



Source: One Stop Systems, Inc.