



Celestica Introduces New Family of 1.6TbE Data Center Switches to Power AI/ML Clusters

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TORONTO, Oct. 10, 2025 (GLOBE NEWSWIRE) -- [Celestica Inc.](#) (TSX: CLS) (NYSE: CLS), a leader in design, manufacturing, supply chain and platform solutions for the world's most innovative companies, today introduced two new 1.6TbE data center switches, the DS6000 and DS6001. These advanced switches are engineered to support high-bandwidth, AI/ML data center applications. Celestica plans to contribute the DS6000/DS6001 spec to the OCP Community and list them on the OCP Marketplace with the OCP Inspired™ recognition.

The [DS6000](#) is a 3RU, 64-port x 1.6TbE data center switch for traditional air-cooled data center installations. The [DS6001](#) is a 2OU, 64-port x 1.6TbE switch offering a hybrid cooled solution based on the 21-inch OCP ORv3 rack. Both switches are based on the new Broadcom Tomahawk 6 (TH6) switch chipset, providing up to 102.4Tbps of switching capacity. The DS6000 and DS6001 are the latest additions to the Celestica portfolio of high-performance data center switches and represent a doubling of switch capacity compared to Celestica's existing, market-leading 800G solutions. They also offer a comprehensive set of AI routing features and interconnect options, designed to meet the demands of AI clusters.

"The introduction of our new 1.6T switches marks a significant milestone for Celestica and our customers. The DS6000 and DS6001 represent a new era in high-performance networking, doubling the switching capacity of our current offerings and designed specifically to meet the demands of AI/ML cluster applications," says Gavin Cato, SVP & GM Portfolio Solutions & AI Platform Engineering, Celestica. "We're proud to showcase these innovations at OCP Global Summit, demonstrating our commitment to leading the open networking ecosystem."

The DS6000 offers several key advantages for data center customers seeking the highest performance:

- 102.4Tbps capacity with 224G SerDes lanes and support for LPO / LRO optics
- Performance through 64 x 1.6TbE OSFP ports
- Flexibility with 50/100/200/400/800GbE capable port speeds
- Reliability with redundant, field-replaceable fans and hot swappable power supplies
- Options for forward and reverse airflow configurations

The DS6001, while maintaining the same overall networking performance as the DS6000, is designed to operate in a hybrid cooling environment, leveraging a combination of air and liquid cooling techniques. The DS6001, taking up only 2U of rack density, is designed to operate in a 21-inch OCP ORv3 rack for maximum performance while optimizing energy efficiency and power utilization.

As with all of Celestica's switching solutions, both the DS6000 and DS6001 support an open-source Network Operating System (NOS) approach. This is achieved through the use of [Celestica Solutions for SONiC](#) and other SONiC distributions – open-source, validated and supported NOS that enable production-ready deployment in a multitude of use cases from the data center to the edge.

As important additions to Celestica's open networking platforms, the DS6000 will be on display at the [OCP Global Summit 2025](#) in San Jose, CA, October 13-16, in booth B2. For more information on Celestica's participation, and to learn more about Celestica's DS6000 and DS6001 high-performance AI/ML switches, visit our [event landing page](#).

Supporting Quotes

"We're pleased to see Celestica harness the power of our latest Tomahawk 6 chipset to bring these groundbreaking switches to market. Tomahawk 6 delivers incredible switching capacity, designed to meet the extreme bandwidth and low-latency demands of modern AI/ML workloads. With features like Cognitive Routing 2.0 and support for both scale-up and scale-out network topologies, this chipset is built to power the next generation of massive AI clusters. Celestica's new DS6000 and hybrid-cooled DS6001 switches showcase the innovation that's possible when we collaborate to deliver solutions truly optimized for the AI era," says Ram Velaga, Senior Vice President and General Manager, Core Switching Group, Broadcom.

"Celestica's introduction of these new 1.6T switches is a powerful extension of their recognized leadership in high-speed and AI networking. Having earned the 2024 Dell'Oro Market Share Leader Awards for both Ethernet Switch – AI Networks and High-Speed Networks (> 800 G), Celestica has already proven their ability to meet the incredible demand of AI infrastructure," says Sameh Boujelbene, Vice President of Research at Dell'Oro Group. "The DS6000 and DS6001 switches, with their massive 102.4Tbps capacity, show that Celestica continues to be at the forefront of addressing the future needs of AI networking."

"This new 1.6T switch family further marks Celestica's position as a leader in data center networking, particularly for mission-critical enterprise environments," says Alan Weckel, Founder and Technology Analyst for 650 Group. "While many companies, including Celestica, focus on hyperscalers, Celestica has also demonstrated a deep understanding of the unique needs of enterprise customers. These customers require not just raw speed but also unwavering reliability and a robust ecosystem."

About Celestica

Celestica enables the world's best brands. Through our recognized customer-centric approach, we partner with leading companies in Aerospace and Defense, Communications, Enterprise, HealthTech, Industrial, and Capital Equipment to deliver solutions for their most complex challenges. As a

leader in design, manufacturing, hardware platform and supply chain solutions, Celestica brings global expertise and insight at every stage of product development — from the drawing board to full-scale production and after-market services. With talented teams across North America, Europe and Asia, we imagine, develop and deliver a better future with our customers. For more information on Celestica, visit www.celestica.com. Our securities filings can be accessed at www.sedarplus.ca and www.sec.gov.

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This press release contains forward-looking statements, including, without limitation, those related to: plans to contribute the DS6000 and DS6001 spec to the OCP community and listing on the OCP Marketplace, and obtaining OCP Inspired™ recognition. Such forward-looking statements may, without limitation, be preceded by, followed by, or include words such as “believes,” “expects,” “anticipates,” “estimates,” “intends,” “plans,” “continues,” “project,” “target,” “outlook,” “goal,” “guidance,” “potential,” “possible,” “contemplate,” “seek,” or similar expressions, or may employ such future or conditional verbs as “may,” “might,” “will,” “could,” “should,” or “would,” or may otherwise be indicated as forward-looking statements by grammatical construction, phrasing or context. For those statements, we claim the protection of the safe harbor for forward-looking statements contained in the U.S. Private Securities Litigation Reform Act of 1995, where applicable, and for forward-looking information under applicable Canadian securities laws.

Forward-looking statements are provided to assist readers in understanding management’s current expectations and plans relating to the future. Forward-looking statements reflect our current estimates, beliefs and assumptions, which are based on management’s perception of historic trends, current conditions and expected future developments, as well as other factors it believes are appropriate in the circumstances, including certain assumptions about anticipated releases of products, anticipated product spec contributions, listings on marketplaces and recognitions. Readers are cautioned that such information may not be appropriate for other purposes. Readers should not place undue reliance on such forward-looking information. Forward-looking statements are not guarantees of future performance and are subject to risks that could cause actual results to differ materially from those expressed or implied in such forward-looking statements, including, among others, risks related to: uncertain market, industry trends, cyclical nature and/or volatility of certain of our businesses. For more exhaustive information on the foregoing and material risks, uncertainties and assumptions readers should refer to our public filings at www.sedarplus.ca and www.sec.gov, including in our most recent Management’s Discussion and Analysis of Financial Condition and Results of Operations, Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and other documents filed with, or furnished to, the U.S. Securities and Exchange Commission, and the Canadian Securities Administrators, as applicable.

Forward-looking statements speak only as of the date on which they are made, and we disclaim any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as expressly required by applicable law. All forward-looking statements attributable to us are expressly qualified by these cautionary statements.