

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934
Date of Report (Date of earliest event reported): October 22, 2025

Astera Labs, Inc.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-41979
(Commission
File Number)

82-3437062
(IRS Employer
Identification No.)

2345 North First Street,
San Jose, CA 95131
(Address of principal executive offices) (Zip Code)
Registrant's telephone number, including area code: (408) 766-3806

Not applicable
(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol	Name of each exchange on which registered
Common Stock, par value \$0.0001 per share	ALAB	Nasdaq Global Select Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 8.01 Other Events

On October 22, 2025, Astera Labs, Inc. issued a press release announcing that it has entered into a definitive agreement to acquire aiXscale Photonics GmbH. The press release is furnished herewith as Exhibit 99.1.

Item 9.01 Financial Statements and Exhibits.**(d) Exhibits.**

<u>Exhibit No.</u>	<u>Description of Exhibit</u>
99.1	Press release issued by Astera Labs, Inc. dated October 22, 2025.
104	Cover Page Interactive Data File (Cover page XBRL tags are embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: October 22, 2025

Astera Labs, Inc.

By: /s/ Philip Mazzara

Name: Philip Mazzara

Title: General Counsel and Secretary



Astera Labs to Acquire aiXscale Photonics

Deal is expected to help enable scale-up photonic chiplets in AI Infrastructure 2.0 and accelerate Astera Labs' deployment of rack-scale solutions

SAN JOSE, Calif.—October 22, 2025—Astera Labs, Inc. (Nasdaq: ALAB), a leader in semiconductor-based connectivity solutions for rack-scale AI infrastructure, today announced that it has entered into a definitive agreement to acquire aiXscale Photonics GmbH. The acquisition is expected to help enable Astera Labs to develop photonic scale-up solutions by combining aiXscale's fiber-chip coupling technologies with Astera Labs' connectivity and signal processing portfolio. The transaction is subject to customary closing conditions.

The evolution to AI Infrastructure 2.0 demands scale-up connectivity solutions that meet aggressive speed, power, and reliability requirements while facilitating high volume, rack-scale integration. As the AI industry prepares for the next wave of infrastructure requirements, optical connectivity is critical to supporting the massive bandwidth needs of scale-up systems with hundreds of AI accelerators. Photonic chiplets represent one of the key enabling technologies to deliver the performance and efficiency required for advanced AI infrastructure.

"The transition to AI Infrastructure 2.0 demands purpose-built optical solutions that can handle the complexity and capacity needs of future scale-up networks," said Sanjay Gajendra, COO and president of Astera Labs. "This acquisition will bring critical talent and advanced photonic technology that, when combined with our fabric switch and signal conditioning expertise, will unleash the full potential of rack-scale AI deployments."

"Our optical I/O precision glass coupler technology has been developed specifically to solve the key challenge of efficiently coupling light between photonic integrated circuits and optical fibers in high-density applications," said Jeremy Witzens, CEO and co-founder of aiXscale Photonics.

"Joining Astera Labs will allow us to deploy and scale this technology as part of a comprehensive photonic solution that will help define the future of AI infrastructure connectivity," said Florian Merget, co-founder of aiXscale Photonics.

About Astera Labs

Astera Labs (NASDAQ: ALAB) provides rack-scale AI infrastructure through purpose-built connectivity solutions grounded in open standards. By collaborating with hyperscalers and ecosystem partners, Astera Labs enables organizations to unlock the full potential of modern AI. Astera Labs' Intelligent Connectivity Platform integrates CXL®, Ethernet, PCIe®, and UALink™ semiconductor-based technologies with the company's COSMOS software suite to unify diverse components into cohesive, flexible systems that deliver end-to-end scale-up, and scale-out connectivity. Discover more at www.asteralabs.com.

Cautionary Note Regarding Forward-Looking Statements

This release contains forward-looking statements within the meaning of the federal securities laws regarding the acquisition by Astera Labs of aiXscale Photonics; the timing and satisfaction of any closing conditions; the anticipated benefits to, or impact of, the acquisition on Astera Lab's and aiXscale Photonic's businesses; and expectations for Astera Labs and aiXscale Photonics following the closing of the acquisition. Such forward-looking statements may be introduced using words such as "expected," "potential," "represent" and "will" and variations of such words and similar expressions. Such statements involve risks and uncertainties, many of which are beyond the control of Astera Labs and aiXscale Photonics, that could cause actual results to differ

materially from those expressed or implied in the forward-looking statements, including, among others, the risk that we may be unable to successfully satisfy the conditions to the closing of the acquisition on a timely basis or at all; possible disruption (including time and attention of management of either entity) related to the acquisition to the current plans, operations, opportunities, and business relationships of Astera Labs and aiXscale Photonics, including through the potential loss of any customers and employees; the ability to combine Astera Lab's expertise with aiXscale Photonic's capabilities; the expected benefits of the acquisition may not be realized; the response of competitors and other market participants to the acquisition; delays, disruptions, challenges or increased costs in developing photonic chiplets and scale-up solutions; the complexities and uncertainties in developing and implementing solutions based on new technologies; potential litigation or disputes relating to the acquisition; macroeconomic conditions, including general semiconductor industry economic conditions; regulatory restrictions; international conflict and other risks and uncertainties described in Astera Lab's Form 10-K, Form 10-Q and other SEC filings. Forward-looking statements speak only as of the date they are made. Readers are cautioned not to put undue reliance on forward-looking statements, and no person assumes any obligation to update or revise any such forward-looking statements, whether as a result of new information, future events or otherwise, except to the extent that disclosure may be required by law.

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