Aeva Expands Product Portfolio for Optical Connectivity Market

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Product Portfolio of Ultra-High Power Chipsets, Multiwavelength and Multichannel Solutions for a Broad Range of Optical Connectivity Applications

Solutions Built on Aeva's Proven Platform with Demonstrated Performance, Yield and Reliability

MOUNTAIN VIEW, Calif.--(BUSINESS WIRE)--Nov. 4, 2026-- Aeva® (Nasdaq: AEVA), a leader in next-generation sensing and perception systems, today introduced an expanded portfolio of solutions within Optical Connectivity, Aeva's business that leverages proprietary high-power, low noise optical sources and multiwavelength integrated silicon photonics technologies for next-generation AI data centers.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20261104011597/en/

Aeva is engaged with a growing number of optical solutions providers and AI compute companies, driven by our ability to deliver the high-power performance and other requirements needed for next-generation AI data centers, as well as address the significant supply constraints and options in high-power optical sources facing the industry.

"We are building strong momentum in Optical Connectivity with our proven high-power optical source technology and new multiwavelength integrated silicon photonics that meet the performance, efficiency and scalability required for next-generation AI data centers," said Pradeep Srinivasan, Senior Vice President of Optical Connectivity at Aeva. "By broadening our product portfolio, Aeva is extending its reach across the rapidly growing AI data center market and offering customers greater flexibility in integrating our technology for current and future architectures."

Portfolio of Solutions to Address the Growing AI Data Center Market

Optical Connectivity is built on Aeva's common high-power optical source technology and designed to deliver the high optical power, high efficiency, low noise, proven reliability, and scalability required to address the rapidly growing bandwidth and power demands of AI data centers. Our solutions range from chipsets and chip arrays to multiwavelength arrays and multichannel modules, which deliver new levels of flexibility for broad AI data center applications including transceivers, NPO, CPO and OCI-MSA. Together, our portfolio enables optical solutions providers, AI compute companies and hyperscalers to more easily integrate Aeva's solutions.

- **Ultra-High Power (UHP) Chipsets:** Aeva's UHP laser delivers high optical power of 350mW or higher at 50°C, narrow linewidth of less than 500kHz and low RIN of less than -150dB/Hz. This addresses a significant gap for high-volume hyperscaler deployments.
- **SPECTRA:** Proprietary software-defined multiwavelength array delivering precise wavelength control of less than 0.1nm over temperature and operating life. When combined with our UHP SOAs, this silicon photonics integrated array meets the rigorous OCI-MSA specifications across wavelength, optical power and efficiency.
- **MESA:** Compact Multichannel External Source Assembly (MESA) offering more than 600mW per channel at 50°C with integrated low noise drivers that can be readily assembled into the industry standard External Laser Small Form-factor Pluggable (ELSFP) and NPO form factors.

Proven High-Performance Platform Designed for Scale

Over the past decade, Aeva has developed and industrialized our high-power optical source technology with low noise and narrow linewidth for rigorous automotive and industrial applications. This foundation enables Aeva to bring to the data center market solutions with proven high-performance and demonstrated high-yield and reliability. With limited supply and options of reliable high-power optical sources, Aeva also expands and strengthens the AI infrastructure supply chain with our foundry and manufacturing partners qualified to meet the mass-scale requirements of Aeva's leading automotive and industrial customers.

To learn more about Optical Connectivity and Aeva's portfolio of solutions for AI data centers, visit: www.aeva.com/optical-connectivity

About Aeva Technologies, Inc. (Nasdaq: AEVA)

Aeva's mission is to bring the next wave of perception to a broad range of applications from automated driving, manufacturing automation and smart infrastructure, to robotics and consumer devices. Aeva is accelerating autonomy with its groundbreaking

perception platform that integrates lidar-on-chip technology, system-on-chip processing, and perception algorithms onto silicon leveraging silicon photonics. Aeva 4D LiDAR sensors uniquely detect velocity and position simultaneously, allowing automated devices like vehicles and robots to make more intelligent and safe decisions. For more information, visit www.aeva.com, or connect with us on X or LinkedIn.

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Forward looking statements

This press release contains certain forward-looking statements within the meaning of the federal securities laws. Forward-looking statements generally are identified by the words “believe,” “project,” “expect,” “anticipate,” “estimate,” “intend,” “strategy,” “future,” “opportunity,” “plan,” “may,” “should,” “will,” “would,” “will be,” “will continue,” “will likely result,” and similar expressions. These forward-looking statements include, but are not limited to, expectations about the addressable market of our Optical Connectivity business, the portfolio of products announced herein, our product features, performance, potential applications, the timing of production, and market adoption. Forward-looking statements are predictions, projections and other statements about future events that are based on current expectations and assumptions and, as a result, are subject to risks and uncertainties. Many factors could cause actual future events to differ materially from the forward-looking statements in this press release, including, but not limited to: (i) the fact that Aeva is an early stage company with a history of operating losses and may never achieve profitability, (ii) Aeva’s limited operating history, (iii) the ability to implement business plans, forecasts, and other expectations and to identify and realize additional opportunities, (iv) the ability for Aeva to have its products selected for inclusion in products for commercial scale production, (v) the commercial success of any products in which Aeva’s products might be included, including with respect to Optical Connectivity business, (vi) unforeseen manufacturing issues or defects, (vii) Aeva’s ability to scale production if any products achieve commercial success, (viii) market acceptance of LiDAR technology to the data center market and other applications, (ix) general economic conditions and other material risks and other important factors that could affect our financial results. Please refer to our filings with the SEC, including our most recent Form 10-Q and Form 10-K. These filings identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements. 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 Aeva assumes no obligation and does not intend to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise. Aeva does not give any assurance that it will achieve its expectations.

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