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

Form 6-K

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT
OF 1934**

For the month of March, 2026

Commission file number 001-41800

Arm Holdings plc

**110 Fulbourn Road
Cambridge
United Kingdom**
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F ☒ Form 40-F ☐

EXHIBIT INDEX

Exhibit Number	Description
99.1	Press Release dated March 24, 2026

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, thereunto duly authorized.

ARM HOLDINGS PLC

Date: March 24, 2026

By: /s/ Laura Bartels

Name: Laura Bartels

Title: Chief Accounting Officer
(Principal Accounting Officer)

Arm Expands Compute Platform to Silicon Products in Historic Company First

News Highlights

- *Arm extends its platform breadth to include production silicon products for the first time, offering the broadest choice of compute across IP, Arm Compute Subsystems (CSS) and silicon*
- *Introducing the first Arm-designed data center CPU, the Arm AGI CPU, for agentic AI infrastructure, delivering more than 2x performance per rack compared with x86 platforms**
- *Developed with lead partner Meta, with other customers and leading ODMs committed for production, the Arm AGI CPU is backed by strong support from the global ecosystem*

Cambridge, England – Mar. 24, 2026 – Arm Holdings plc (NASDAQ: ARM) today announced the next evolution of the Arm compute platform, extending into production silicon products for the first time in the company’s history. This begins with the launch of the Arm AGI CPU, an Arm-designed CPU for AI data centers, built to address a rising class of agentic AI workloads.

For more than three decades, the industry has innovated on the Arm compute platform to deliver scalable, power-efficient computing across hundreds of billions of devices. As AI transforms global computing infrastructure, partners across the ecosystem are asking for ways to deploy Arm technology at scale. In response, Arm is expanding its platform strategy beyond IP and Compute Subsystems (CSS) to include Arm-designed silicon products – giving partners the broadest set of options to build on Arm and enabling faster innovation across the AI ecosystem.

“AI has fundamentally redefined how computing is built and deployed. Agentic computing is accelerating that change,” said Rene Haas, CEO, Arm. “Today marks the next phase of the Arm compute platform and a defining moment for our company. With the expansion into delivering production silicon with our Arm AGI CPU, we are giving partners more choices all built on Arm’s foundation of high-performance, power-efficient computing, to support agentic AI infrastructure at global scale.”

Agentic AI is Reshaping AI Infrastructure, Driving More Demand for CPUs

The rise of AI agents is driving a major inflection point in global computing. As AI shifts from training models to deploying continuously running agents that reason, plan and act, the volume of tokens generated across AI systems is rapidly increasing and requires significantly more CPUs to handle reasoning, coordination and data movement.

As organizations scale agent-driven applications, data centers are expected to require more than 4x the current CPU capacity per GW* — driving the need for significantly more compute within the same power envelope. This is driving demand for a new class of CPUs designed for AI-scale infrastructure — delivering the performance needed to sustain high token throughput, the efficiency required to operate within real-world power constraints and a simplified architecture built without the overhead and complexity of x86 processors.

Extending the Arm Platform into Production Silicon

To help partners move faster in this new environment, Arm is introducing the Arm AGI CPU, which is expected to be the foundation for agentic data centers. The expansion into silicon

products provides the ecosystem with greater flexibility in how they build and deploy Arm-based infrastructure — whether licensing Arm IP, adopting Arm CSS, or deploying Arm-designed silicon.

The Arm AGI CPU delivers:

- **Performance:** Up to 136 Arm Neoverse V3 cores per CPU, delivering leading performance per core, SoC, blade and rack*, with 6GB/s memory bandwidth per core at sub-100ns latency.
- **Scale:** 300-watt TDP with a dedicated core per program thread enables deterministic performance under sustained load, eliminating throttling and idle threads.
- **Efficiency:** Supports high-density 1U server chassis’ supporting air-cooled deployments with up to 8,160 cores per rack, and liquid-cooled systems delivering 45,000+ cores per rack.

These capabilities translate into greater workload density, improved accelerator utilization and more usable compute within existing power envelopes — critical advantages as AI infrastructure scales. The Arm AGI CPU delivers more than 2x performance per rack versus x86 CPUs, enabling up to \$10B in CAPEX savings per GW of AI data center capacity*.

Broad Ecosystem Support for Arm AGI CPU

Meta serves as the lead partner and co-developer, leveraging Arm AGI CPU to optimize infrastructure for its family of apps and working alongside Meta’s own custom silicon, called Meta Training and Inference Accelerator (MTIA), enabling more efficient orchestration in large-scale AI systems. Arm and Meta are committed to collaborating across multiple generations of the Arm AGI CPU roadmap.

“Delivering AI experiences at global scale demands a robust and adaptable portfolio of custom silicon solutions, purpose-built to accelerate AI workloads and optimize performance across Meta’s platforms,” said Santosh Janardhan, head of infrastructure, Meta. “We worked alongside Arm to develop the Arm AGI CPU to deploy an efficient compute platform that significantly improves our data center performance density and supports a multi-generation roadmap for our evolving AI systems.”

Alongside Meta, Arm has confirmed additional commercial momentum with partners including Cerebras, Cloudflare, F5, OpenAI, Positron, Rebellions, SAP, and SK Telecom. These customers will deploy the Arm AGI CPU for key agentic CPU use-cases including accelerator management, control plane processing, and cloud and enterprise-based API, task and application hosting.

To accelerate this ramp, Arm is partnering with lead OEMs and ODMs including ASRock Rack, Lenovo, Quanta Computer, and Supermicro, with early systems available now and broader availability expected in the second half of the year.

More than 50 leading companies across hyperscale, cloud, silicon, memory, networking, software, system design and manufacturing are supporting the expansion of the Arm compute platform into silicon. That momentum includes industry leaders such as AWS, Broadcom,

Google, Marvell, Micron, Microsoft, NVIDIA, Samsung, SK Hynix and TSMC, alongside many others.

A New Era for the Arm Compute Platform

For decades, the industry has built on the Arm compute platform through its industry-leading IP and, more recently, Arm CSS, grounded in a foundation of high-performance, power-efficient computing. The expansion into production silicon with the Arm AGI CPU marks the next phase of that evolution — extending Arm into data center silicon and bringing its power-efficient architecture to AI infrastructure at scale.

Ecosystem support:

[Click here to view supporting quotes from more than 50 leading ecosystem players:](#)

Advantest, Altera, AMI, Amazon Web Services, Amkor, Arista, ASRock Rack, ASE Holdings, Broadcom, Bristol Centre for Supercomputing, Cadence, Canonical, Cerebras, Cisco, Cloudflare, Databricks, F5, Furiosa, GitHub, Google Cloud, Hugging Face, Intel Foundry, Lenovo, Marvell, MediaTek, Meta, Micron, Microsoft Azure, MongoDB, NVIDIA, NXP, Open AI (OAI), Open Compute Project, Oracle Cloud Infrastructure (OCI), Positron, Red Hat, Rebellions, Redis, Samsung, SAP, Siemens, SK Hynix, SK Telecom, Snowflake, Socionext (SNI), ST Micro, StatsChipPac, SUSE, SuperMicro, Synopsys, TSMC, VMWare.

Supporting quotes include:

AWS

"Back in 2009, I first wrote about Arm becoming the next generation general purpose server CPU. Over the last decade, we've partnered closely with Arm in building Graviton here at AWS, and it's been a remarkable success - the majority of compute capacity AWS added to our fleet in 2025 was powered by Graviton. This collaboration has been great for both companies, and Graviton continues to deliver better price/performance for our customers. Here's to celebrating with Arm and to our continued partnership delivering big for customers." - **James Hamilton, SVP and Distinguished Engineer, Amazon**

Broadcom

"As Broadcom builds the world's most capable XPU and networking solutions for hyperscalers at the heart of the AI transformation, our partnership with Arm has enabled us to move with unmatched intent and speed. By building on Arm's power-efficient technology leadership, we continue to deliver market-leading innovations that scale the most complex AI infrastructure. The new Arm AGI CPU will further unlock the Arm ecosystem for a broad range of customers, creating significant new opportunities for everyone building the future of intelligence on Arm." - **Charlie Kawwas, Ph. D., President, Semiconductor Solutions Group, Broadcom Inc.**

Google

"At Google Cloud, we are committed to delivering compute infrastructure that allows customers to maximize performance, reduce costs, and meet sustainability goals. Google's custom Axion CPUs, built on the Arm architecture, provide organizations with the energy efficiency and scalability required to support modern cloud-native and AI-driven workloads. CPU innovation with Arm's new AGI CPU can unlock a new generation of purpose-built compute capabilities across the industry." - **Amin Vahdat, SVP & Chief Technologist, AI Infrastructure, Google**

Marvell

“As AI workloads grow in scale and complexity, advances in compute, connectivity, and data center infrastructure must evolve to support the insatiable demand for AI. The new AGI CPU provides more options for the Arm ecosystem and broadens the accessibility of compute to a new set of customers. Marvell brings leadership in custom compute, end-to-end connectivity, and accelerated infrastructure technologies that power modern data centers, and we are proud to partner with Arm to enable the next generation of AI infrastructure.” - **Matt Murphy, Chairman and CEO, Marvell**

Micron

“As AI systems become more autonomous and data-intensive, performance is no longer defined by compute alone, but by how efficiently compute and memory work together. That’s why our longstanding partnership with Arm is so important. Today’s announcement of the Arm AGI CPU is a significant milestone, opening new opportunities for system-level innovation when paired with Micron’s leading memory and storage portfolio.” - **Sanjay Mehrotra, Chairman, President and CEO, Micron Technology**

Microsoft Azure

“Arm’s AGI CPU and ongoing CSS investments strengthen the Arm ecosystem for the next wave of AI and cloud workloads. Microsoft’s Azure Cobalt family of CPUs, built on Neoverse CSS, is a key part of how we optimize every layer of our stack to deliver high performance and efficient infrastructure for our customers.” - **Rani Borkar, President, Azure Hardware Systems and Infrastructure, Microsoft**

NVIDIA

“Our partnership began nearly two decades ago and since then, Arm’s adaptability has made it possible for us to integrate Arm across all of our platforms and for all different phases of AI. Together we’re creating one seamless platform, from cloud to edge to AI factories. We look forward to building the future with Arm.” - **Jensen Huang, Founder and CEO of NVIDIA.**

Samsung

“As AI workloads rise, performance gains will increasingly depend on tight co-optimization across logic, memory, and advanced packaging technologies. Samsung’s broad semiconductor capabilities and long-term collaboration with compute leaders like Arm position us to support next-generation AI platforms at scale. Purpose-built AI compute platforms like the Arm AGI CPU create new opportunities for deeper collaboration across silicon design, memory integration, and manufacturing innovation with cutting-edge process technology, making this an important milestone for the ecosystem.” - **Young Hyun Jun, Vice Chairman and CEO of Samsung Electronics**

SK Hynix

“SK Hynix has a long history of collaborating with industry leaders to support high-performance computing and accelerate innovation for global customers. As AI datacenters evolve, platforms designed for AI workloads must be supported by advanced memory technologies that deliver the capacity and bandwidth required for modern applications. The introduction of purpose-built AI compute with the Arm AGI CPU is an important milestone for the ecosystem, and we look

forward to continued partnership with Arm to advance the next generation of AI-driven infrastructure.” - **Noh-Jung Kwak, CEO, SK Hynix**

TSMC

"Datacenter AI workloads are evolving, and we are seeing more demand than ever for efficient, scalable compute, driving deeper collaboration across every layer of the ecosystem—from silicon design to manufacturing innovation. As the Arm AGI CPU manufacturer, we are excited to support this breakthrough platform. By leveraging our advanced 3nm process technology, the new Arm AGI CPU delivers significant performance and energy efficiency and is expected to play an important role in enabling the next generation of AI infrastructure across the datacenter ecosystem." - **Dr. Kevin Zhang, SVP and Deputy Co-COO at TSMC**

About Arm

Arm is the industry's highest-performing and most power-efficient compute platform with unmatched scale that touches 100 percent of the connected global population. To meet the insatiable demand for compute, Arm is delivering advanced solutions that allow the world's leading technology companies to unleash the unprecedented experiences and capabilities of AI. Together with the world's largest computing ecosystem and 22 million software developers, we are building the future of AI on Arm.

All information is provided “as is” and without warranty or representation. This document may be shared freely, attributed and unmodified. Arm is a registered trademark of Arm Limited (or its subsidiaries or affiliates). All brands or product names are the property of their respective holders. © 1995-2026 Arm Limited.

Forward-looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and as defined in the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical fact could be deemed forward-looking statements, including without limitation, statements relating to our growth opportunities and platform expansion, opportunities arising from the continued adoption of artificial intelligence (AI) technologies, including the growth of AI data centers and agentic AI; market and industry trends; our TAM expectation, expansion and our being well positioned to address such expanded opportunity; and our expectations for new AI data center capacity. In some cases, you can identify forward-looking statements because they contain words such as “may,” “might,” “will,” “could,” “would,” “should,” “expect,” “is/are likely to,” “intend,” “plan,” “objective,” “anticipate,” “believe,” “estimate,” “predict,” “potential,” “target,” “continue,” “ongoing” or similar words or phrases, or the negative of these words or phrases. These statements involve known and unknown risks, uncertainties and other important factors that may cause Arm's actual results, levels of activity, performance or achievements to be materially different from the information expressed or implied by these forward-looking statements. There are many factors that could cause or contribute to such differences, including, but not limited to, any of the following: Arm's dependence on the semiconductor and electronics industries and the demand for the products of its customers; Arm's dependence on the compatibility of its products with the manufacturing and design processes of its customers; Arm's development of compute subsystems, chiplets, or

complete System-on-a-Chip (SoC) solutions as well as other more integrated compute products; Arm's reliance on third parties to market and sell chips and end products incorporating its products, as well as add value to its licensed products; Arm's dependence on a limited number of customers for a significant portion of its revenue; the loss of any of Arm's senior management personnel or one or more key employees or Arm's inability to attract and retain qualified personnel; Arm's ability to adequately fund its research and development efforts; risks related to the availability of development tools, systems software, electronic design automation tools and operating systems compatible with its architecture; Arm's ability to protect its proprietary products and its brand, and the costs of protecting such intellectual property rights, particularly as a result of litigation; Arm's ability to verify royalty amounts owed to it under its licensing agreements; risks related to foreign exchange fluctuations; changes in Arm's effective tax rate; risks associated with organic growth or growth from strategic investments or acquisitions Arm makes, and the risk of failing to effectively manage its growth; risks associated with the slow development of the market for Arm's connectivity, device and data management platform; the possibility of cyberattacks, breaches of Arm's security controls and unauthorized access to its data or a customer's data; Arm's ability to satisfy data protection, security, privacy or other government- and industry-specific requirements; risks associated with the interests of SoftBank Group Corp., Arm's controlling shareholder, conflicting with the interests of other holders of Arm's ordinary shares and American depositary shares; and effects of global general economic conditions, political factors, war or hostility, pandemics and other events outside of Arm's control and those discussed in Arm's Annual Report on Form 20-F for the fiscal year ended March 31, 2025, filed with the Securities and Exchange Commission on May 28, 2025. Any forward-looking statement in this press release speaks only as of the date hereof, and Arm does not undertake any obligation to update any forward-looking statement to reflect events or circumstances after the date of this press release except as required by applicable law. Arm cautions that you should not place undue reliance on any of Arm's forward-looking statements.

**Based on estimates.*

Contacts

Media

Arm External Communications
Global-PRteam@arm.com

Investors

Arm Investor Relations
Investor.Relations@arm.com