

AI delivery meets the memory wall and the real world.

Beam opens its weights, robots target longer working days, and cloud tools tackle migration. Together, these developments put data movement, deployment cost and operations at the center of the AI story.

This edition brings together 12 distinct stories, six product tracking entries and 30 companies. New developments are supplemented with explicitly dated recent progress and seven-day observations. Market prices use the complete 16 October close.

Memory becomes a system question

SK hynix demonstrates cache reuse and pooled memory. DRAM, SSDs and interconnects matter alongside HBM.

[SK hynix: Memory-centric systems at OCP](#)

Count useful robot hours

Digit 5 targets 90 minutes of work per nine-minute charge; early access is planned for 2027.

[Agility: Digit 5 fast-charging partnership](#)

Check the transfer, not just the model

China's catalogue proposal distinguishes service access, technology transfer and temporary registration.

[MOFCOM: Technology export catalogue Q&A](#)

01 / AI companies

16 Oct • Recent development

Beam moves from announcement to open weights

Reflection released Beam weights under Apache 2.0, with BF16, FP8 and NVFP4 formats plus inference, fine-tuning and agent integrations. The coding and reasoning model has about 501 billion total parameters, 23 billion active per token and a one-million-token context, according to its model card.

The useful comparison is integration effort, deployment requirements and cost per completed task. A small active parameter count does not mean the full weights fit on an ordinary laptop; vendor benchmarks are not a substitute for workload testing.

[Reflection: Beam is now available](#)

[Beam model card](#)

19 Oct Beijing • New in this edition; website dated 18 Oct

Anthropic proposes a 5% equity commitment to a public-benefit fund

Anthropic announced a wholly owned LLC for public-benefit work and a proposed 5% equity commitment, subject to stockholder approval. The board may add two percentage points for each 50% increase in company value above a specified baseline. Labor-market impacts are one potential focus.

The next concrete measures are governance and actual distributions. This is an equity arrangement, not cash already paid out; the detailed valuation milestones and governance structure are still to come.

[Anthropic: Investing in the public benefit](#)

02 / AI product tracker

Product	Version / date	Changes and sources
Claude Code	2.1.303 2026-10-19 New this issue • stable	Released at 06:26 Beijing. Notes list bug fixes and reliability improvements, without a new capability announcement. Claude Code 2.1.303 release
DeepSeek	V4.1-Flash-1017 2026-10-17 Recent version • stable	Updated on web, app and API; deepseek-flash and pricing stay unchanged. Search/Fetch API opened on the same date. DeepSeek change log
Reflection Beam	Beam 2026-10-16 Recent version • stable	Apache 2.0; BF16, FP8 and NVFP4 weights, with a one-million-token context. Evaluate deployment and performance on your own tasks. Reflection: Beam is now available Beam model card
Cursor	Cloud agent canvases 2026-10-16 Recent version • stable	Cloud agents can deliver shareable interactive canvases. The separate Environments API is in beta. Cursor: Canvases from cloud agents
Mistral Timestral	5M / 28M / 123M / 209M 2026-10-15 Recent version • stable	Multivariate probabilistic forecasting, including CPU inference. Code uses Apache 2.0; the Modified MIT weights licence excludes companies above \$20 million in prior-month revenue without separate permission. Mistral: Introducing Timestral Timestral weights licence
Physical Intelligence	Pi API beta 2026-10-13 Recent version • beta	Upload robot demonstrations, fine-tune on managed infrastructure and use hosted inference. Access remains a beta application. Physical Intelligence: Pi API beta

03 / AI chips

Published 16 Oct • OCP demonstrations on 12–15 Oct

SK hynix connects memory pools, SSDs and the KV cache

At OCP, SK hynix demonstrated CXL pooled memory and its MARS memory-centric rack, including KV-cache sharing and DRAM/SSD reuse. It described proof-of-concept work with NAVER Cloud and system demonstrations with partners including AMD. The portfolio also spans HBM, server DRAM and enterprise SSDs.

This broadens the storage question beyond HBM: long-context agents need capacity and reusable data as well as bandwidth. Demonstrations and proofs of concept do not establish deployment at scale or universal speed gains.

[SK hynix: Memory-centric systems at OCP](#)

04 / Embodied AI

15 Oct • Seven-day watch

Digit 5 targets nine-minute charging and longer working days

Agility selected Nyobolt for Digit 5 batteries. Its announced design targets 90 minutes of runtime and nine minutes of charging, moving the run-to-charge ratio from Digit 4's 2:1 to 10:1 and targeting more than 20 working hours per day. Early access is expected in the first half of 2027.

These figures matter to shift planning and task economics, but remain company targets. Real-site task success, human intervention and battery life are the relevant acceptance tests.

[Agility: Digit 5 fast-charging partnership](#)

13 Oct • Seven-day watch

Pi API beta makes the robot-learning loop accessible to developers

Physical Intelligence opened applications for its Pi API beta. Developers upload demonstrations, fine-tune models on managed infrastructure and run inference through a hosted gateway. Its examples include heavy machinery, kitchens and manufacturing; it also acknowledges connectivity issues in some applications.

The shift is a practical path for robot companies to iterate their own policies. This is a beta workflow for physical robots, and the company's examples do not establish performance across all hardware and sites.

[Physical Intelligence: Pi API beta](#)

05 / Infrastructure

12 Oct • Seven-day watch

NVIDIA opens rack designs as power and cooling become shared specifications

At OCP, NVIDIA contributed Vera Rubin rack and compute-tray designs. MGX 1.2 covers blind-mate liquid cooling, rack interconnects and designs supporting up to 250 kW per rack. It also introduced open software for cluster readiness and rack management; partners outlined 800 V DC designs.

Standard interfaces and operations could reduce integration work. The 250 kW figure is a rack-design capability and 800 V is a power architecture, not newly commissioned data-centre capacity.

[NVIDIA: Open rack and facility specifications](#)

16 Oct • Recent development

AWS Transform adds Azure-to-AWS code conversion

AWS made Azure-to-AWS SDK conversion for .NET applications generally available in Transform, covering Functions, Blob Storage and Queue Storage mappings. Cosmos DB-to-DynamoDB conversion remains in preview. The service is available in eight listed AWS Regions.

Teams can review and adjust the plan before conversion. The value is less repetitive rewriting; generated code alone does not complete a production migration or verify data consistency, permissions and business behavior.

[AWS: Azure-to-AWS code conversion](#)

06 / Policy

16 Oct • Recent development

China's export proposal distinguishes API services from technology transfer

MOFCOM and the science ministry proposed adding 23 key AI technologies to the technology-export catalogue. The official Q&A distinguishes transfers of restricted technology for overseas deployment from API, app/web and SaaS service access. Temporary pre-export registration for covered technologies applies from the announcement.

Cross-border teams need to check the covered technology and transfer method. The catalogue revision is a proposal, not a blanket restriction on AI services; temporary registration and final licensing rules are distinct.

[MOFCOM: Technology export catalogue Q&A](#)

Adopted 14 Oct; published 15 Oct • Seven-day watch

The Dublin Declaration links AI sovereignty, compute and adoption

Participating EU member states set out seven cooperation priorities, including AI safety, public-sector and industrial adoption, sovereignty, infrastructure and compute, sustainability and international cooperation. Ireland published the declaration on 15 October, recording adoption on 14 October.

This is a cooperation declaration, not a newly effective EU regulation. Procurement, compute investment and implementation are the next signals to track.

[Irish government: Dublin AI Declaration](#)

07 / Business

17 Oct • Recent development

CXMT forecasts a nine-month profit as the memory cycle strengthens

CXMT forecasts nine-month revenue of RMB265–270 billion and net profit attributable to shareholders of RMB131–132.5 billion, versus a RMB5.28 billion loss a year earlier. It attributes the change to DRAM demand and prices, utilization and improved output per wafer.

These are unaudited preliminary estimates released on 17 October, not the final quarterly report. The announcement postdates the 16 October close used here, so it cannot explain that earlier day's gain.

[CXMT: Preliminary nine-month earnings forecast](#)

15 Oct • Seven-day watch

TSMC reports \$46.72 billion revenue and a higher Q4 range

TSMC reported Q3 revenue of \$46.72 billion, above its \$44.6–45.8 billion guidance, with a 66.4% gross margin. Its Q4 revenue guidance is \$52.3–54.3 billion and gross-margin guidance is 65–67%.

The release separates realized demand from the next quarter's expectations. Total revenue includes multiple end markets and should not be presented entirely as AI revenue.

[TSMC: Q3 2026 results](#)

16 Oct • Recent development

RapidCanvas raises \$29 million for a platform-and-engineers model

RapidCanvas announced a \$29 million Series B led by Vertex Ventures SEA & India, with Hitachi Ventures and other investors participating. Total funding reaches \$52.5 million. Its approach pairs an AI platform with field engineers to build applications and manage them in production.

The financing backs delivery and ongoing operations. The company also reports eightfold annual recurring revenue growth over six quarters; that ratio does not supply a comparable revenue amount or profit figure.

[RapidCanvas: \\$29 million Series B](#)

08 / AI markets

US storage shares retreat; Asian memory shares diverge

On 16 October, Micron fell 5.63%, Sandisk 6.85% and Seagate 7.50%; SK hynix gained 0.79%, Samsung 2.62% and CXMT 3.28%. These markets close at different times. This is a cross-market snapshot, not a synchronized comparison or an industry index.

All 30 rows show the 16 October close. Tencent's daily change is unverified and shown as “—”. Values remain in original currencies. Each row links to a one-day excerpt from Stock Analysis historical data; intraday and after-hours prices are excluded.

Memory

Company / ticker	Market / FX	Close	Change	Session / source
Micron / MU	US / USD	878.84	-5.63%	2026-10-16 Stock Analysis
Sandisk / SNDK	US / USD	1,299.30	-6.85%	2026-10-16 Stock Analysis
SK hynix / 000660	KR / KRW	1,272,000	+0.79%	2026-10-16 Stock Analysis
Samsung Electronics / 005930	KR / KRW	215,500	+2.62%	2026-10-16 Stock Analysis
CXMT / 688825	CN / CNY	45.02	+3.28%	2026-10-16 Stock Analysis

Storage and components

Company / ticker	Market / FX	Close	Change	Session / source
Western Digital / WDC	US / USD	332.00	-6.86%	2026-10-16 Stock Analysis
Seagate / STX	US / USD	639.01	-7.50%	2026-10-16 Stock Analysis
Montage Technology / 688008	CN / CNY	169.20	+3.80%	2026-10-16 Stock Analysis
GigaDevice / 603986	CN / CNY	281.86	+1.31%	2026-10-16 Stock Analysis
Longsys / 301308	CN / CNY	241.65	-0.96%	2026-10-16 Stock Analysis
BIWIN / 688525	CN / CNY	153.01	-0.64%	2026-10-16 Stock Analysis

Compute and manufacturing

Company / ticker	Market / FX	Close	Change	Session / source
Broadcom / AVGO	US / USD	328.75	-4.52%	2026-10-16 Stock Analysis
TSMC ADR / TSM	US / USD	412.61	-2.28%	2026-10-16 Stock Analysis
NVIDIA / NVDA	US / USD	214.13	-1.43%	2026-10-16 Stock Analysis
AMD / AMD	US / USD	528.75	-5.95%	2026-10-16 Stock Analysis
Intel / INTC	US / USD	89.85	-5.79%	2026-10-16 Stock Analysis
Cambricon / 688256	CN / CNY	915.00	+1.99%	2026-10-16 Stock Analysis
Hygon / 688041	CN / CNY	192.54	-0.66%	2026-10-16 Stock Analysis
SMIC / 00981	HK / HKD	52.40	+0.48%	2026-10-16 Stock Analysis

Networking, power and cooling

Company / ticker	Market / FX	Close	Change	Session / source
Arista Networks / ANET	US / USD	176.98	-4.63%	2026-10-16 Stock Analysis
Vertiv / VRT	US / USD	206.42	-3.88%	2026-10-16 Stock Analysis

Platforms and applications

Company / ticker	Market / FX	Close	Change	Session / source
Microsoft / MSFT	US / USD	529.05	-1.93%	2026-10-16 Stock Analysis
Alphabet / GOOGL	US / USD	340.59	-2.47%	2026-10-16 Stock Analysis
Meta / META	US / USD	709.33	-3.72%	2026-10-16 Stock Analysis
Amazon / AMZN	US / USD	250.00	-1.87%	2026-10-16 Stock Analysis
iFlytek / 002230	CN / CNY	36.00	-0.83%	2026-10-16 Stock Analysis
Baidu / 09888	HK / HKD	79.45	+1.40%	2026-10-16 Stock Analysis
Alibaba / 09988	HK / HKD	108.80	+2.26%	2026-10-16 Stock Analysis
Tencent / 00700	HK / HKD	417.80	—	2026-10-16 Stock Analysis
SenseTime / 00020	HK / HKD	1.16	+1.32%	2026-10-16 Stock Analysis

Next, watch how these plans turn into outcomes: models in real workflows, robots on dependable shifts, and memory growth in finalized financial statements.