

FOR YOU / HIGHLIGHTS • EDITOR'S LETTER

From usable models to deliverable systems

Open weights need a compatible serving stack, robots need reproducible training, and enterprise deployments need clear delivery conditions. Eight previously unreported developments from the past week, each dated, inform the week ahead.

Check release, integration, validation and delivery separately to assess readiness for adoption.

Weights also need a serving stack

Dedicated deployment images are available; stable-package support remains a separate check.

[MiniMax official model card](#)

[vLLM: M3.1 Flash day-zero support](#)

Robot training needs reproducible steps

The Microduck tutorial connects scene generation with policy evaluation.

[NVIDIA: Microduck simulation workflow](#)

Research proposals need real users

Beijing's call specifies application validation and matching funds.

[Beijing AI research topic call](#)

01 / AI companies

2026-10-23 • Seven-day watch

M3.1 Flash gains weights and serving integrations

MiniMax provides weights and local deployment guidance. vLLM's October 23 day-zero support offers NVIDIA and AMD images; inclusion in nightly packages still depends on upstream review and merging.

Self-hosting gains another option. Check the community license, hardware and image version, then measure workload cost. This differs from the October 19 hosted launch; model-card benchmarks are not independent replications.

[MiniMax official model card](#)

[vLLM: M3.1 Flash day-zero support](#)

2026-10-20 • Seven-day watch

Voxtral TTS 3 enters public preview

Mistral lists Voxtral TTS 3 in public preview with zero-shot and professional voice cloning, nine languages and streaming. Its lifecycle register confirms the October 20 release.

Voice applications can evaluate latency, pronunciation and expression. "Active" does not mean general availability; preview reliability, authorization for voice material and real-call quality still need validation.

[Mistral: Voxtral TTS 3](#)

[Mistral: Model lifecycle register](#)

02 / AI product tracker

Product	Version / date	Changes and sources
Voxtral TTS	3.0 2026-10-20 Recent version • preview	Recent verified baseline: public preview with voice cloning and streaming, not a stable GA release. Mistral: Voxtral TTS 3 Mistral: Model lifecycle register
Codex	0.164.0 2026-10-23 Recent version • stable	Recent stable baseline: prompt presets, enterprise MCP authorization and compaction recovery; 0.165 alpha remains a prerelease. Codex 0.164.0 stable release
Claude Code	2.1.310 2026-10-24 Recent version • stable	Recent stable baseline: wider Monitor availability and fixes for symlink permission prompts and unintended plan approval. Claude Code 2.1.310 stable release

03 / AI chips

2026-10-21 • Seven-day watch

HAWK studies cache transfer between GPUs and NPUs

HAWK places prefill on GPUs and decoding on NPUs, using RDMA and layout-aware buffers for cache transfer. The authors evaluate the design on an experimental system built from commercial devices.

Heterogeneous systems depend on software and data movement, not chip price alone. First submitted October 21 and revised October 23, this research is neither a universal performance guarantee nor a production-chip announcement.

[HAWK: GPU-NPU cache transfer research](#)

04 / Embodied AI

2026-10-23 • Seven-day watch

Microduck workflow connects agents, simulation and training

NVIDIA describes agent-assisted course planning and asset creation, Isaac Lab training and local Isaac Sim evaluation. The example uses 4,096 parallel simulations and evaluates falls, collisions and completion.

The reusable value is the development process. A physical walking example is included, but detailed hardware deployment is outside scope. Simulated obstacle handling still requires actuator calibration, randomization and hardware tests.

[NVIDIA: Microduck simulation workflow](#)

05 / Infrastructure

2026-10-21 • Seven-day watch

Nutanix and Supermicro plan an integrated private inference system

The planned system combines Supermicro servers, NVIDIA GPUs and Spectrum-X networking with Nutanix platforms, storage and agent management, aiming to reduce integration work.

Private deployment needs whole-system cost assessment across compute, networking, storage and operations. The announcement says capabilities remain in planning, development or testing and commercial arrangements may need finalization; availability and savings are not established.

[Nutanix and Supermicro private inference plans](#)

06 / Policy

2026-10-23 • Recent

Beijing AI topic call requires real-user validation for chips

Beijing's science authorities opened a call covering disruptive chips, algorithms and frontier model technology, closing November 2 at 18:00. Chip projects must complete validation with at least two real users.

Teams should plan technical targets, user scenarios and matching funds: enterprise applicants need at least a 2:1 ratio of matching to public science funding. This is a reserve-topic call, not an award or disbursement.

[Beijing AI research topic call](#)

07 / Business

2026-10-22 • Seven-day watch

Formic raises \$50 million across equity and debt

Formic announced \$50 million in growth financing, including a Mercato Partners-led Series B and debt from S2G Investments. It plans to expand its robotics service platform into general-purpose robots and more manufacturing uses.

The total is not all Series B equity. Formic reports production experience across over 100 facilities. Deployment, maintenance and financing are central to its proposition; general-purpose expansion still needs sustained customer results.

[Formic: \\$50 million growth financing](#)

[Lightscape: Portfolio news dates](#)

2026-10-21 • Seven-day watch

Christopher Stubbs joins Anthropic's Long-Term Benefit Trust

Anthropic announced that experimental physicist and former Harvard science dean Christopher Stubbs joined its Long-Term Benefit Trust. The Trust can appoint a board majority, and trustees are independent of management and investors.

This changes governance personnel, distinct from the previously covered public-benefit fund equity plan. It adds scientific expertise, but the appointment alone does not establish that every company decision meets public-benefit goals.

[Anthropic: Christopher Stubbs joins Trust](#)

08 / AI markets

Latest completed closes: storage performance diverges

At the October 23 closes, 18 of 27 verified companies rose and nine fell. Micron gained 2.46%; Sandisk, Western Digital and Seagate fell 1.82%, 2.97% and 1.81%. CXMT rose 7.93%, SK hynix 4.42% and Samsung 0.47%.

Closes are not simultaneous and this watchlist is not an index. Original USD/CNY/HKD/KRW are retained. All 30 rows remain; Cambricon, Hygon and BIWIN are missing due to conflicting or changing source values and excluded from counts. The same completed trading day as the weekend was rechecked. Weekend news is not used to explain Friday prices. Limited attributed excerpts from Stock Analysis.

Memory

Company / ticker	Market / FX	Close	Change	Session / source
Micron / MU	US / USD	877.55	+2.46%	2026-10-23 Stock Analysis • MU
Sandisk / SNDK	US / USD	1,238.03	-1.82%	2026-10-23 Stock Analysis • SNDK
SK hynix / 000660	KR / KRW	1,277,000	+4.42%	2026-10-23 Stock Analysis • 000660
Samsung Electronics / 005930	KR / KRW	215,500	+0.47%	2026-10-23 Stock Analysis • 005930
CXMT / 688825	CN / CNY	42.85	+7.93%	2026-10-23 Stock Analysis • 688825

Storage and components

Company / ticker	Market / FX	Close	Change	Session / source
Western Digital / WDC	US / USD	343.67	-2.97%	2026-10-23 Stock Analysis • WDC
Seagate / STX	US / USD	630.49	-1.81%	2026-10-23 Stock Analysis • STX
Montage Technology / 688008	CN / CNY	180.00	+2.78%	2026-10-23 Stock Analysis • 688008
GigaDevice / 603986	CN / CNY	292.00	+5.51%	2026-10-23 Stock Analysis • 603986
Longsys / 301308	CN / CNY	244.68	+1.11%	2026-10-23 Stock Analysis • 301308
BIWIN / 688525	CN / CNY	—	—	2026-10-23 Stock Analysis • 688525

Compute and manufacturing

Company / ticker	Market / FX	Close	Change	Session / source
Broadcom / AVGO	US / USD	321.68	-0.48%	2026-10-23 Stock Analysis • AVGO
TSMC ADR / TSM	US / USD	418.51	+1.49%	2026-10-23 Stock Analysis • TSM
NVIDIA / NVDA	US / USD	210.96	-0.59%	2026-10-23 Stock Analysis • NVDA
AMD / AMD	US / USD	516.79	+1.74%	2026-10-23 Stock Analysis • AMD
Intel / INTC	US / USD	86.96	+1.72%	2026-10-23 Stock Analysis • INTC
Cambricon / 688256	CN / CNY	—	—	2026-10-23 Stock Analysis • 688256 • Cngold: Cambricon October 23 cross-check
Hygon / 688041	CN / CNY	—	—	2026-10-23 Stock Analysis • 688041
SMIC / 00981	HK / HKD	47.06	+0.47%	2026-10-23 Stock Analysis • 00981

Networking, power and cooling

Company / ticker	Market / FX	Close	Change	Session / source
Arista Networks / ANET	US / USD	172.37	+0.76%	2026-10-23 Stock Analysis • ANET
Vertiv / VRT	US / USD	194.32	-0.65%	2026-10-23 Stock Analysis • VRT

Platforms and applications

Company / ticker	Market / FX	Close	Change	Session / source
Microsoft / MSFT	US / USD	524.51	+0.66%	2026-10-23 Stock Analysis • MSFT
Alphabet / GOOGL	US / USD	320.21	-1.24%	2026-10-23 Stock Analysis • GOOGL
Meta / META	US / USD	642.62	-0.96%	2026-10-23 Stock Analysis • META
Amazon / AMZN	US / USD	248.00	-0.95%	2026-10-23 Stock Analysis • AMZN
iFlytek / 002230	CN / CNY	38.20	+4.09%	2026-10-23 Stock Analysis • 002230
Baidu / 09888	HK / HKD	75.95	+1.13%	2026-10-23 Stock Analysis • 09888
Alibaba / 09988	HK / HKD	97.80	+0.46%	2026-10-23 Stock Analysis • 09988
Tencent / 00700	HK / HKD	386.00	+0.94%	2026-10-23 Stock Analysis • 00700
SenseTime / 00020	HK / HKD	1.16	+4.50%	2026-10-23 Stock Analysis • 00020

Watch whether serving integrations reach stable channels, simulation policies pass hardware tests, and funding and partnerships produce usable customer services.