

AI substrate AI server



Overview

Substrate is an MCP server that gives every AI agent shared memory. Substrate AI is Europe's sovereign AI platform: build, deploy, and run AI on infrastructure you control, with full data residency. SVM-OS™ delivers a secure OS layer for synthetic virtual machines agents that learn and serve within a shared digital habitat AI agents acting as cells within a synthetic tumor micro-environment (SVM™) Substrate AI is a research and innovation company building the foundation for a new kind of. AI-optimized compute powered by NVIDIA's H100, H200, and next-generation Blackwell, and Vera Rubin architectures (H100, H200, Blackwell, Rubin) across European regions with sovereign operations in Spain. Bare-metal or virtual clusters with auto-scaling API access. NVMe, S3 and POSIX integrations. · GitHub feat: SUBSTRATE MCP npm package v1.0 — bridge client. ABF substrates are the core component of next-generation AI servers, and heightened demand is going to see their prices bumped by up to 30%. ABF or Ajinomoto Built-Up Film is a high-performance insulating film used to package semiconductors, particularly for advanced flip-chip ball grid array. build and manage AI agents easily and securely. Identity, authentication, permissions, payments, and more.



Article Content

Europe's Sovereign Operating Platform for AI | Substrate AI

Substrate AI is Europe's sovereign AI platform: build, deploy, and run AI on infrastructure you control, with full data residency.

Substrate AI — The Operating System for AI™

At Substrate AI we are pioneering a new paradigm: Servers become digital properties where AI agents live, and humans earn rent in tokens. Our vision extends to homes built with server rooms and hybrid

The Full Sovereign AI Product Suite | Substrate AI

Substrate AI provides sovereign compute rooted in Europe, extended globally. Our sovereign AI infrastructure powered by NVIDIA's latest AI compute architectures

MSG Maker, Ajinomoto, To Raise Prices By 30% As

ABF substrates are the core component of next-generation AI servers, and heightened demand is going to see their prices bumped by up to 30%.

Substrates.ai

Our Solution Substrates provides open-source infrastructure that makes agent collaboration possible — secure, scalable, and purpose-built for the agentic internet.

Substrate AI Review – Cost, Use Cases & Alternatives

Substrate AI helps users deploy secure, sovereign AI infrastructure and applications across Europe with full compliance and scalable GPU resources. Substrate AI integrates AI software,

AI-Driven Chip Substrate Shortage Prompts Samsung

Samsung Electro-Mechanics begins price hike talks with Big Tech customers as AI-driven FC-BGA substrate demand exceeds capacity by 50%,

Projects

SVM-OS™ and Fabric Protocol™ power real-world systems. The operating system for AI agents—portable, governed, and observable through Synthetic Virtual Machines (SVMs). Each SVM

Glass Substrates vs Organic PCB Packaging: Intel, Samsung Race

Intel and Samsung accelerate glass-core substrate production for AI chip packaging, challenging organic ABF materials with near-silicon CTE matching and sub-2-micron interconnects.

Samsung And Sk Hynix Lead Memory Price Hikes As Ai Server

Samsung and SK Hynix are raising DRAM and NAND prices as AI server demand soars. Samsung's HBM4 leadership and AI-driven DRAM growth are expected to reshape the global

Ibiden's \$3.2 Billion Bet on AI: Japan's IC Substrate Giant Plans to ...

Ibiden, the dominant supplier of IC package substrates to NVIDIA and Intel, has announced a massive \$3.2 billion investment plan over three years to boost production capacity

Why GPU and HBM Supply Is Still Broken in 2026 — CoWoS, 2nm,

Discover why CoWoS packaging, HBM supply, and 3nm wafer capacity are falling short of AI demand through 2027, and what this means for procurement leaders.

Ajinomoto raises ABF substrate film prices 30%

Ajinomoto has informed IC substrate makers that it will raise prices for its key ABF build-up film by 30%, with the new pricing expected to take effect in the third quarter of 2026. Taiwanese

Taiwan Q1 2026 PCB Output Hits Record NT\$245.6 Billion on AI Server ...

Strong demand for AI servers continues to drive growth in high-end PCBs. The Taiwan Printed Circuit Association (TPCA) and the Industrial Technology & Information Technology Institute

TSMC CoWoS Packaging the Silent Bottleneck in the AI

CoWoS advanced packaging — not wafer fabrication — is the real AI chip bottleneck. TSMC controls 90%, Nvidia holds 60%, and Arizona isn't ready

Printed Circuit Board Industry Size & Trends Report 2031

AI servers require 40-plus-layer boards and advanced package substrates, adding premium revenue that lifts overall industry CAGR by an

The Government invests 19 million euros in the Spanish company Substrate AI

The company also has a subsidiary in the health sector with a very experienced team. In this sense, Substrate AI has launched a hub project for the development of AI solutions for the health

TSMC Targets 2H26 COUPE on Substrate; NVIDIA Could Eye

Notably, industry sources say that if CPO becomes the dominant architecture for future AI servers, NVIDIA may seek to secure high-end substrate capacity in advance through long-term

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