

Auto China 2026: Pateo and NVIDIA collaborate to debut software-hardware integrated AI box solution

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Pateo advances the AI Box solutions on NVIDIA DRIVE AGX Thor with a leading NEV OEM

Pateo announced at the 2026 Auto China event in Shanghai that it has reached a series of deep collaborations with NVIDIA and a leading new-energy vehicle (NEV) original equipment manufacturer. The company said it is accelerating the transition of on-vehicle large models from technical verification to large-scale mass production and has achieved substantial progress in implementing in-vehicle AI large models and in applying advanced computing platforms.



Source: Getty/Peera_Sathawirawong

As automotive intelligence enters the deepwater zone of AI-defined systems, the deployment of Level 3 and Level 4 autonomous driving is driving exponential growth in computing demand. While edge-cloud synergy has become a consensus, edge AI is said to remain constrained by the computing power of native vehicle chips and by model performance, making it difficult to support continuous iteration of complex functions and adaptation to new scenarios.

In response to these trends, Pateo will develop on-vehicle large model solutions powered by the NVIDIA DRIVE AGX Thor accelerated computing platform and will implement its AI Box on this platform to provide high-performance computing power support for vehicle-side deployment of next-generation large AI models. The company indicated that this will also build a solid foundation for the global footprint of its intelligent driving solutions. It added that, benefiting from the versatility of its collaboration with NVIDIA on the DRIVE AGX Thor accelerated computing platform, AI box solutions developed on this platform can be rapidly deployed in intelligent vehicle projects of mainstream automakers.

Pateo has also received a nomination notice for a next-generation intelligent model from a leading NEV OEM. This project is described as the world's first AI box software and hardware integrated solution led and provided by Pateo, and as an AI commercial application case that achieves deep on-vehicle coupling between ByteDance's AI general large model and Pateo's edge large model, which is built upon years of in-vehicle infotainment (IVI) user operation experience. The securement of this nomination is presented as confirmation that the company has made substantial progress in implementing automotive AI large models and advanced computing platforms.

Pateo and its project partners have already initiated deployment of cutting-edge vehicle-side scenarios such as physical AI, AI agents and AI emotional agents and are exploring innovative business models, including computing power charging and vehicle-mounted token billing, with the goal of becoming a global leader in the vehicle-side token economy.

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