

iPad Pro gets 'game changing' 53% performance boost from AirJet®



SAN JOSE, California – December 30, 2024: Frore Systems has demonstrated the massive increase in iPad performance possible with AirJet solid-state active cooling chips in Apple's iPad Pro. The proof-of-concept iPad Pro, upgraded with AirJet, achieves an incredible 53% increase in sustained CPU & AI performance – potentially a complete game changer for iPad users. Frore Systems will be showcasing the upgraded iPad Pro in January at CES2025.

Frore Systems achieved the 53% performance boost in the iPad Pro, increasing sustained CPU and AI performance from 7.5 Watts to a massive 11.5 Watts, by adding two AirJet chips inside the device – gaining a full 4 Watts of performance increase. The iPad Pro upgraded with AirJet also remains silent, dustproof, and is water-resistant. And if you thought an iPad couldn't get any cooler, think again - with the AirJet upgrade, when running at 7.5 Watts, the device skin temperature is 4 degrees cooler. That's really cool performance!

The additional 4 Watts of CPU and AI performance make a massive difference to the user experience, bringing powerful new levels of capability to:

- **Gamers** playing immersive high-performance games, like Genshin Impact, Call of Duty, and Minecraft, will be blown away by the increased frame rate for smoother and vivid imagery.

- **Creatives** will experience more responsive drawing and painting with apps like Procreate and Adobe Fresco Photo and video editing with powerful apps like LumaFusion and Affinity Photo.
- **Musicians** can create that next Grammy Award winning music faster than ever, recording, mixing, and mastering with apps like GarageBand and Cubasis.
- **Content creators** enter a new era of productivity, with high-speed master editing of high-resolution movies or videos with professional-level tools like Final Cut Pro – say farewell to painfully slow renders forever.

Pro Tablets have traditionally been built using repurposed Smartphone CPUs, but Apple has revolutionized the product category by introducing Apple Silicon M-series, purpose built for the MacBook product line, into Pro Tablets.” said Dr. Seshu Madhavapeddy, founder and CEO of Frore Systems. “But the realized performance in the iPad Pro is severely limited because it is constrained by heat. Noisy, bulky fans have never been a good fit for the ultra-thin Pro Tablets. AirJet solid-state active cooling chips, which are silent and a mere 2.65 mm thick, now change the game. The iPad Pro upgraded with AirJet realizes the same sustained CPU and AI performance as the 15” MacBook Air.”

See the iPad Pro upgraded with AirJet in action at CES2025, together with a range of commercially available products, manufactured by Frore Systems’ customers and featuring AirJet solid-state active cooling. Frore Systems will be demonstrating many more proof-of-concept devices upgraded with AirJet chips and, AirJet PAKs, which are plug-and-play solid-state active cooling modules targeting Industrial and Smart Cities Edge AI devices and delivering uncompromising AI performance in industrial grade casings that are ultra compact, light, silent, vibration free, dustproof and water-resistant.

Experience the future of AI performance and more, in the Frore Systems Demonstration Room, January 7 – 10 in Las Vegas, at the Venetian Expo on Level 2, in Room 2401B.

About Frore Systems

Frore Systems is the developer of breakthrough thermal technology for electronic and consumer devices. The company’s active cooling solutions, the AirJet®Mini, AirJet®Mini Slim, AirJet®Mini Sport, and AirJet®PAKs, are integrated into devices to remove heat silently, resulting in major performance gains and enabling thinner, lighter, silent, vibration free, dustproof and water-resistant devices. Frore Systems is headquartered in San Jose, CA with an office and manufacturing facility in Taiwan. For more information, please visit <https://froresystems.com/>

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