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Thread: [Apple iPhone Air and iPhone 17 Feature A19 Chips With Spyware-Resistant Memory Safety](#)

Stanley - September 19, 2025, 5:55 pm

Apple iPhone Air and iPhone 17 Feature A19 Chips With Spyware-Resistant Memory Safety

Apple on Tuesday revealed a new security feature called Memory Integrity Enforcement (MIE) that's built into its newly introduced iPhone models, including iPhone 17 and iPhone Air.

MIE, per the tech giant, offers "always-on memory safety protection" across critical attack surfaces such as the kernel and over 70 userland processes without sacrificing device performance by designing its A19 and

<https://thehackernews.com/2025/09/apple-iphone-air-and-iphone-17-feature.html>

The Pact - September 30, 2025, 3:03 am

Every memory access is checked against a hidden tag.

If a process tries to access memory with an outdated or incorrect tag, it's blocked instantly.

On Android, developers are encouraged to adopt Rust and safer APIs, but full protection depends on device and OS version.

Yanix - September 30, 2025, 4:50 am

I like that Apple is focusing on "always-on" security instead of optional settings. It means users are protected by default, not just the tech-savvy ones.

plops - October 7, 2025, 11:40 am

Thwy will never be 100% safe when its being built by the chinese

Fish - October 8, 2025, 4:27 am

Memory Integrity Enforcement on the A19 could set a new standard for built-in hardware security, protecting against common memory exploits without slowing the device.

Mech - October 8, 2025, 6:41 am

Finally making memory exploits a headache for hackers instead of us.

Oh_Well - October 9, 2025, 4:06 am

If it holds up, it will be a solid win against exploit chains. Especially with how much spyware's been targeting iOS lately.