

AI Chips Are Being Hacked Before They Ship

Zero-day exploits found in robotics systems in under hours.

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THE DATA

28

Zero-day vulnerabilities

Discovered in robotics software within just two days of testing.

This alarming rate reveals a systemic flaw in the AI hardware development lifecycle: security is not being baked in at the design stage. As AI systems become more autonomous and embedded in critical infrastructure, the window for exploitation is shrinking, and the cost of failure is rising.

Source: businessinsider.com
https://www.businessinsider.com/villa-vie-odyssey-residents-describe-cruise-shutdown-aftermath-2026-10



01

Security Is the New Performance Metric

The race to build faster, more efficient AI chips is being undermined by the fact that no chip is secure until it’s proven unbreakable in real-world conditions. This demands a shift from performance-centric to security-first chip design, where formal verification and hardware-based trusted execution environments are non-negotiable from day one.

02

The AI Hardware Stack Is Fragile

The discovery of 28 zero-day exploits in such a short time exposes a deeper issue: the integration of AI software into embedded systems is outpacing the development of secure hardware foundations. This creates a cascade of risk—where a single unpatched flaw in a chip's firmware can compromise an entire autonomous system. The solution isn't just faster patching; it's architectural redesign to ensure that AI inference engines operate within isolated, verifiable hardware enclaves from the outset.

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