

Category Award

P250Q M.2 SSD




TEAMGROUP

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[Company Website](https://www.teamgroup.com/)

Winning Reason

Users can destroy their data by a physical button or an event trigger, choosing between software quick erase and hardware high-voltage breakdown methods to delete data from the SSD. This meets the requirements for sensitive data in specific fields such as military (e.g., drones), industrial control (e.g., operational secrets), and gaming. The solution features a patented independent destruction circuit design that only targets Flash chips. The SSD design requires pairing with the main control chip, making it technically challenging for unauthorized access.

Product Feature

1. Dual-Mode One-Click Data Destruction: Combines hardware and software erasure functions. The intelligent button triggers high-voltage hardware breakdown or software quick erase based on press duration, meeting diverse military and industrial demands.
2. Continuous Erasure Mechanism: Automatically resumes data destruction after power restoration if interrupted, ensuring complete removal and eliminating security risks.
3. Independent Secure Destruction Circuit: Patented independent destruction circuit precisely erases Flash ICs, enhancing stability.
4. High Performance and Large Capacity: Addresses military, industrial automation, and smart application needs.
5. Patented Technology: Protected by Taiwan Utility Patent (M662727), offering innovative design and multi-layered data protection.

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