Krown Announces Final Development and Planned Production of EXCALIBUR, the World's First Quantum-Secured Cold Wallet

Quantum eMotion's QRNG2 technology will support a dedicated self-custody device combining quantum randomness, native QwickAuth and biometric authentication.



Solo of Excalibur



Combo of Krown Watch and Excalibur

MONROE, LA, UNITED STATES, September 9, 2026 /EINPresswire.com/ -- Krown Technologies Inc. today announced finalized development and planned production of EXCALIBUR, a dedicated cryptocurrency cold wallet being developed with quantum random number generation technology from its partner, Quantum eMotion Corp.

EXCALIBUR is being designed to give digital asset owners direct control over their private keys through a dedicated hardware experience. Its development brings together quantum-generated randomness, native authentication and a device interface built around clear, deliberate user approval.

"Self-custody should put people in control without making strong security difficult to use," said James Stephens, CEO of Krown Technologies Inc. "With EXCALIBUR, we are bringing together Quantum eMotion's quantum randomness technology, native QwickAuth and a dedicated hardware experience. Our goal is to make advanced protection practical—something people can hold, understand and use with confidence."

At the foundation of the planned security architecture is Quantum eMotion's QRNG2 technology. QRNG stands for quantum random number generator. Quantum eMotion's technology uses electron quantum tunneling to generate entropy: unpredictable physical randomness that can supply cryptographic key-generation processes. The technology addresses a fundamental requirement of secure cryptography—the quality of the randomness used to create keys. Quantum eMotion's QRNG2 technology.

Quantum-generated entropy is one part of the planned protection. EXCALIBUR's development also encompasses private-key isolation, authentication and transaction authorization. Resistance to quantum-computing attacks depends on the complete cryptographic architecture, including the algorithms and their implementation.

The collaboration builds on the companies' strategic agreement announced in April 2026, under which Quantum eMotion granted Krown an exclusive worldwide license to commercialize QRNG2 technology across blockchain, decentralized finance, wallets and related applications. Quantum eMotion describes quantum entropy as a foundation that works alongside classical and post-quantum cryptography. Strategic partnership announcement.



Lifestyle shot of Krown Watch and Excalibur



Front and Back of Excalibur



Woman holding Excalibur

EXCALIBUR's planned product features include:

Native QwickAuth integration: Authentication built directly into the device experience.
Biometric authentication: A thumb-oriented fingerprint sensor and a camera intended to support facial recognition.
On-device transaction review: A dedicated display for reviewing transaction details before authorization.
Krown Watch interoperability: Coordinated authentication and transaction workflows between EXCALIBUR and Krown Watch.
Purpose-built hardware: A black-on-black enclosure with physical controls, USB-C connectivity and a built-in microphone.

The production roadmap includes prototype assembly, hardware and software integration, security evaluation and manufacturing validation. Final specifications, supported assets, pricing and commercial availability will be announced as those milestones are completed.

With EXCALIBUR, Krown is working to bring quantum randomness into a tangible, everyday self-custody experience—uniting specialized security technology with hardware designed around the person holding it.

About Krown Technologies Inc.

Krown Technologies Inc. develops blockchain infrastructure and digital asset products, including Krown Network and Qastle Wallet. Its work spans decentralized finance, interoperability and wallet technology. Learn more at krown.network.

About Quantum eMotion Corp.

Quantum eMotion Corp. develops hardware and software cybersecurity technologies based on its patented quantum random number generation technology. Its electron-based approach uses the unpredictability of quantum mechanics to support cryptographic security. Learn more at quantumemotion.com.

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