EnQuanta™

Marketing Overview

Forging a New Era of Quantum Cyber Resilience Solutions for Today's and Tomorrow's Cyber Threats

Breaches Happen
Protect Your Digital Assets With EnQuanta

Company Overview

■ Hybrid Cryptography

EnQuanta's hybrid cryptography is powered by our patent-pending **QuantaPack** process, it uses a dynamic combination of standard and non-standard ciphers to create a unique **QuantaKey** cryptex for each **QuantaSafe** ciphertext. These pieces are then encrypted and encapsulated as protected packages of data-at-rest or data-in-transit.

Our quantum cyber resilience solutions* ensure that organizations can protect the integrity of their digital data today and have the agility to face Quantum Computing paired with Artificial Intelligence **(QAI)** threats of tomorrow with confidence.

The **QuantaPack** process quantum-hardens digital assets, enabling them to be safely transmitted over unsecured networks and securely stored in permanent memory devices.

■ Our Advantages

Your protected digital assets appear as a "sea of nothingness," rendering them incomprehensible, indecipherable, and impregnable to potential attackers by providing:

Superior Protection: Our enhanced protection processes generate unique keys for each protected package, offering a level of protection that far surpasses traditional AES-256 encryption.

Integrated Key Encapsulation Management: Our integrated key encapsulation mechanism streamlines the encryption of data in transit, eliminating the complexities associated with managing and distributing public and private cryptographic keys.

Cryptographic Agility: Our software-only solution is agile, ensuring compatibility with current and future National Institute of Standards and Technology (NIST) standards.

Quantum Resilience: EnQuanta's solution is designed to withstand today's threats and future QAI threats.

Digital Assets   QuantaPack Process   QuantaSafe + QuantaKey

* Our cryptography solutions received the 2024 Encryption Innovation Award from Cybersecurity Breakthrough Awards.

Why EnQuanta ?

- **Proven Cyber Resilience:** Independent testing and vulnerability analysis from industry experts concluded — "No significant components or insights have been revealed regarding the reverse engineering of the process...and it would be impossible to reconstitute the data."

- **Proactive Threat Protection:** Unlike solutions that only meet current compliance standards, EnQuanta proactively anticipates and counters new threats, ensuring organizations can stay ahead of cyber adversaries.

- **Comprehensive Solutions:** With customizable solutions for industries like defense, healthcare, and financial services, EnQuanta safeguards data at rest and in transit, ensuring end-to-end protection for sensitive information.

- **Ease of Integration:** Designed with agility in mind, EnQuanta's software-only solutions integrate seamlessly with existing systems, ensuring robust security without disrupting operations. This makes it a cost-effective and scalable choice for organizations of all sizes.

- **Ensures Business Continuity:** Features like advanced ransomware resilience and secure storage solutions ensure operational continuity even during cyberattacks, minimizing downtime and financial loss.

Our Products

EnQuanta Vault: software protection for data-at-rest in non-volatile memories, including firmware, datasets, and executables to maintain data integrity during attempted reverse engineering of code in high value products.
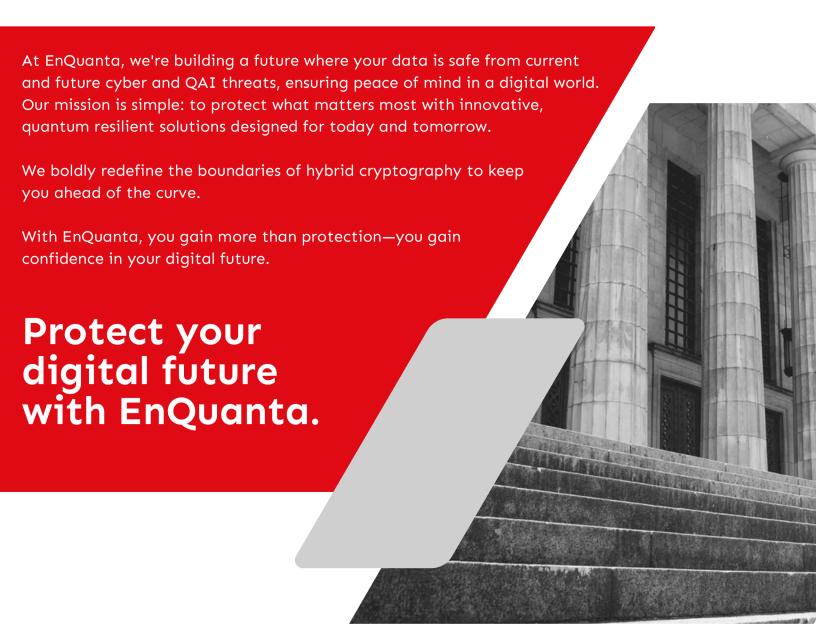
EnQuanta Comms: software protection for data-in-transit over unsecure networks sent as streaming data to maintain data integrity in low-latency mode when comms are intercepted.

EnQuanta Storage: software protection for data in a client-server network storage environment to maintain data integrity during a cyber breach and/or ransomware attacks.

EnQuanta Transfer: software protection for data-in-transit over unsecure networks sent as data files to maintain data integrity when batch mode communications are intercepted.

At EnQuanta, we're building a future where your data is safe from current and future cyber and QAI threats, ensuring peace of mind in a digital world. Our mission is simple: to protect what matters most with innovative, quantum resilient solutions designed for today and tomorrow.

We boldly redefine the boundaries of hybrid cryptography to keep you ahead of the curve.

With EnQuanta, you gain more than protection—you gain confidence in your digital future.

Protect your digital future with EnQuanta.

Let's Get In Touch

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