



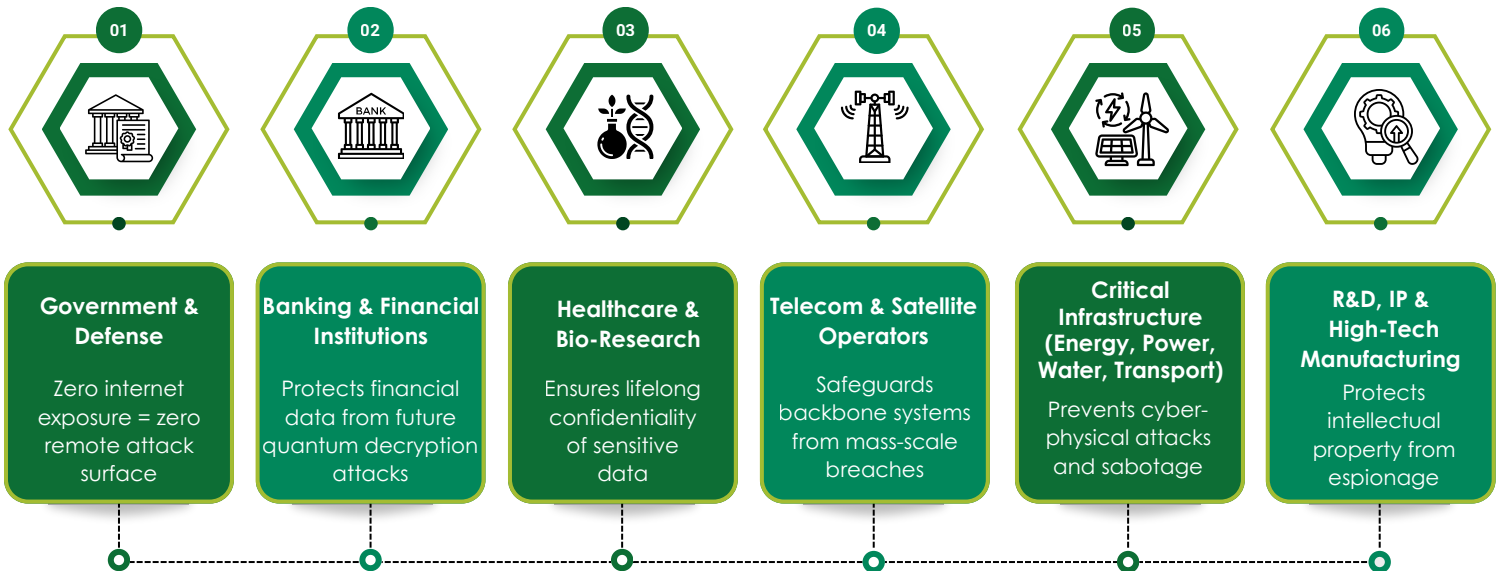
Q-Safe

Your Data's Safety with Next-Gen Security Standards is Ensured

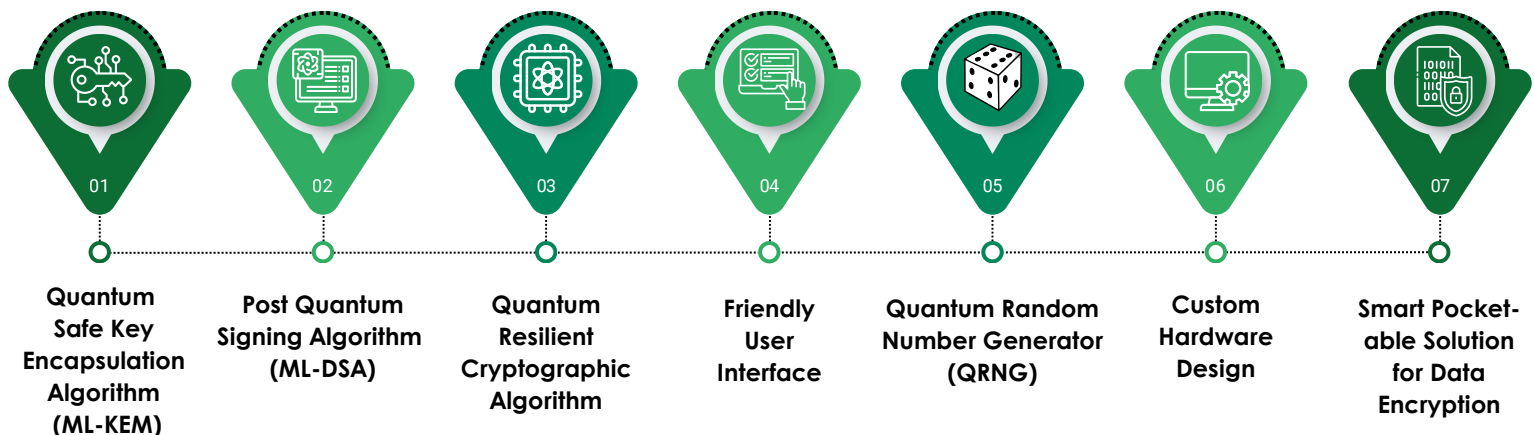


Q-Safe is a compact, air-gapped offline encryptor that delivers quantum-resilient security for PCs, laptops, and storage devices. It uses NIST standards compliant post-quantum algorithms (ML-KEM & ML-DSA), powered by an integrated QRNG generating a unique 256-bit key per session. Built for field use with a rugged metallic casing, USB power, and 1–2 Mbps encryption speed, Q-Safe enables organizations to future-proof sensitive data against quantum threats.

CRITICAL APPLICATIONS ACROSS INDUSTRIES



CORE FEATURES





Unique Value Propositions

Quantum-Resilient Encryption for Post-Quantum Era	Uses quantum-safe algorithms (ML-KEM as standardized under FIPS 203 for key encapsulation and ML-DSA as per FIPS 204 standards for signing) to protect data even against future quantum computers.
Built-In Quantum Random Number Generator (QRNG)	Generates true quantum randomness for keys, ensuring maximum unpredictability and cryptographic strength.
Unique 256-Bit Session Key for Every Encryption	Automatically generates a fresh, unique key for each session, eliminating key reuse risks and enhancing forward secrecy.
Secure Offline Encryption: No Network, No Attack Surface	Operates completely offline, removing exposure to remote hacks, malware injection, and network-based attacks.
Fast Hardware-Level Encryption (1–2 Mbps)	Optimized for secure data encryption on laptops, PCs, and external storage devices without relying on online systems.
Rugged Metallic Casing for High Durability	Strong industrial-grade casing ensures long-term reliability in both field and office environments.
Reliable Performance across Tough Temperature Ranges	Operational from 0°C to 40°C, and can be safely stored between –10°C to 60°C, making it suitable for diverse deployment conditions.
Ideal for High-Security Data Protection	Perfect for government, defense, telecom, banking, legal, and corporate users who require offline, quantum-safe, tamper-resistant data security.
Pakistan-Engineered Quantum Security Device	Indigenously designed, providing trusted supply chain, national data sovereignty, and local technical support.



Stay Connected

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