



MerlinCryption®

PROTECT YOUR PRIVATES

Encryption Authentication

More Than 10 Interchangeable Customizable Factors

MerlinCryption's dynamic, variable, changeable, Smart-Authentication Platform empowers retailers, manufacturers, enterprise, and security providers to take control with "under-the-hood" scripted security elements, resulting in bulletproof protection.

Most authentication is programmed in-house and based on something you know, something you have, and/or something you are. MerlinCryption secures authentication to the next level by incorporating additional methods based on dynamic "temporary" factors. This unexpected category includes non-linear and environmental factors, which aptly detect risk of compromise.

The indomitable power behind MerlinCryption's solution is not only in the *number* of factors available, but also in the ability to customize each client with factors that are unique to their company and business environment. These confidential, interchangeable factors are unlike other client's factors and cannot be identified or predicted by criminals.

ADVANCED TECHNOLOGY

Two-step authentication is static and vulnerable to attack.

Encrypted authentication with extensive choices is customized and cannot be identified or predicted

CUSTOMIZED INNOVATION

- Flexible >10 multi-factor authentication
- Sub-second Automation
- Keys scale from 2008 bits to 2 GB in length
- Passwords scale up to 64KB
- ASBE algorithm not subject to attack models and methods of Cryptanalysis
- No two encryptions are alike, even using the same input
- Parameter-controlled customized key generation
- NSA reviewed/BIS approved for export
- Scales and adapts to diverse environments

The Smart-World's Smart-Authentication

Breakthrough Security: It's All In The Script

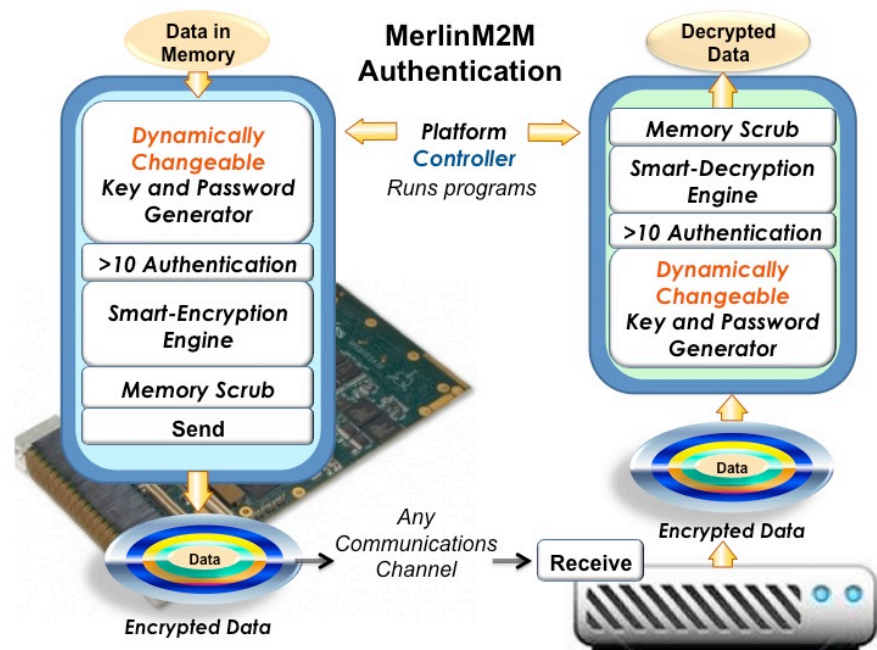
MerlinCryption clients not only expand authentication options, but also gain the advantage to choose, change, and increase or decrease factors, on demand, by running the platform's scripted controller, which "wraps" the authentication process into a tightly customized and impenetrable sequence of execution.

This programmable software development framework invokes the unique functionality of customized factors and automates all machine nodes during end-to-end encryption, decryption, and authentication processes. Clients have vast latitude to innovate flexible security, dictating the level of simplicity or complexity of their individualized authentication system.

Airtight Authentication...Protected by Dynamic Encryption

Unlike MD5 or SHA hash, which is sometimes added to authentication, and which is repeatedly attacked, MerlinCryption employs powerful Anti-Statistical Block Encryption (ASBE) to the authentication process. ASBE utilizes variable key length. Each key scales in size between 2008 bits and 2 GB. The encryption engine also allows scalable passwords up to 64 KB. ASBE is not subject to attack models and methods of Cryptanalysis. Every encrypted authenticating transmission is different, as the algorithm produces different cyphertext with varying length, even when repeating the same plaintext, key, and password input. NSA reviewed and BIS approved for export. OFAC compliant.

Clients doubly benefit from the added customization of the encryption engine, which is unique to the individual company's authentication platform and is not interoperable with any other company's encryption engine.



The Obvious Choice

Cyber criminals took in \$388 Billion in 2010, making the business of cybercrime as large as the international illegal drug trade. A swift and drastic solution is needed for this global problem.

MerlinCryption technology delivers a new genre of advanced authentication that thwarts crime through innovation and stealth. Our clients and partners meet and exceed security requirements with effective, practical, and relevant encrypted authentication software.

Contact Us For a Demo
512-348-SAFE

PROTECT YOUR PRIVATES®

MerlinCryption LLC develops invincible smart-world solutions that protect against counterfeiting, man-in-the-middle attack, cloning, and software compromise in diverse environments. Leading edge technology secures dynamic end-to-end data for M2M, POS, retailers, manufacturers, SCADA, and others.

The unprecedented encryption platform protects data as it is created, viewed, edited, shared, stored and moved across communications channels and through The Cloud.

MerlinCryption Is Changing The Way The World Protects Data



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