



# Merlin Cryption®

PROTECT YOUR PRIVATES

## Leading-Edge Encryption

### *Distinctly Superior Key Technology*

Data security in the contemporary business environment is increasingly complex. It requires acute acumen and calculated strategy to innovate products that protect both clients and their users. With new levels of severe and sophisticated threats penetrating the most fortified systems, exponential security tactics are mandatory for M2Ms to successfully compete.

MerlinCryption helps developers master this demand with an invulnerable encryption solution platform designed specifically for Machine-to-Machine communications. Vastly more powerful encryption than the current market standard, the embedded solution has unpredictable and changing keys which defeats increasing computer-power and investigative technique.

### **The MerlinM2M Advantage: Absolute Stealth For Today's Precarious Environment**

Other encryption produces a simple short key strand, which continually repeats in cipher text. This fixed length key is detectable and routinely broken.

MerlinM2M's technique hides the key, using the digital contents of a file. The key-in-a-file is scalable in length, from 2008 bits up to 2 GB.

This CryptoFile™ key multiplies available keys-for-use by up to billions of keys at a time, working under-the-hood to leverage productivity, speed, and invulnerability in M2M environments.

## ADVANCED TECHNOLOGY

### PROPRIETARY INNOVATION

- Keys scale from 2008 bits up to 2 GB in size
- Flexible multi-factor authentication
- No two encryptions are alike, even using the same input
- Parameter-controlled customized key generation
- BIS/NSA approved for export. OFAC compliant
- Enables partners with HIPAA compliance
- Scalable and adaptable for diverse M2M partner environments
- Algorithm not based on mathematical technique
- Encryption not subject to statistical analysis

### SUB-SECOND AUTOMATION

- Checks program size to detect tampering
- Scrubs memory before exiting
- Upon decryption, performs multiple-stage checking of version and key.
- Speed-optimized, mass-quantity encryption

*The Smart-World's Smart-Encryption™*

## Encryption Innovation: Partnering in Breakthrough Security

Delivering an advanced encryption solution to companies that need a security component, MerlinCryption helps M2M and OEM partners solve challenges and create new opportunities. By bundling encryption technology into their solution, partners provide their customers a complete integrated offering with flexible and compliant iron-clad security.

MerlinCryption business partners benefit from accelerated

time to market, reduced development costs, and improved profitability with a benchmark encryption protection platform.

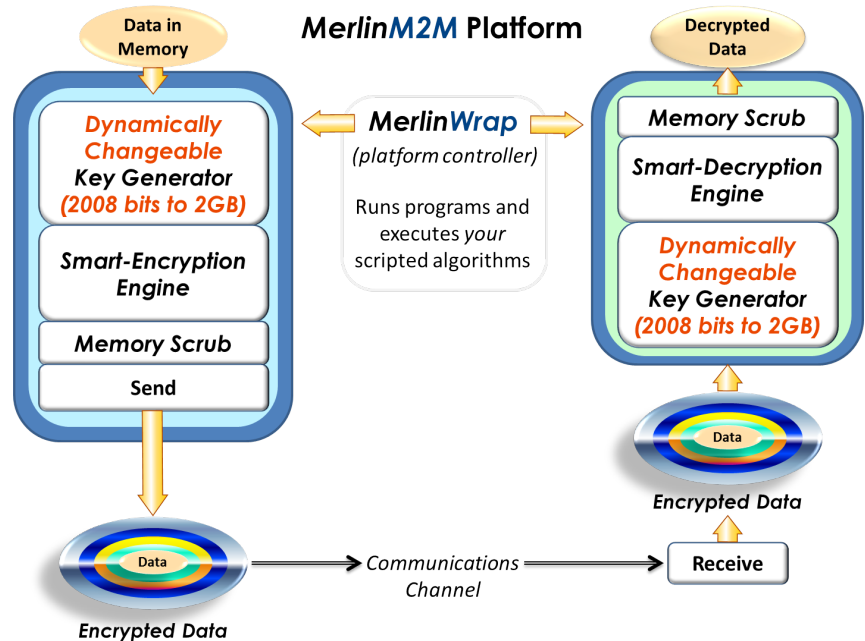
MerlinCryption's forward-thinking technology is built for change, and is easily integrated, adaptable and scalable. It bundles and assimilates easily into existing systems, strengthening the partner's application as it is... and as it evolves in the future.

# Embedded Encryption Solutions for M2M

MerlinM2M™ protects normal data transfer, software updates, remote control, status queries, problem alert, and billing/usage information.

The platform creates keys, when needed, using a parameter-controlled customizable key generator. The key exists only until encryption is complete, at which point the platform deletes the key and scrubs memory. Although keys are massive, the platform realizes sub-second speed, as desired by M2M solution providers.

*The machine-to-machine encryption platform establishes a complete solution utilizing uncomplicated software scripting, designed to the individual organization's security needs and product structure.*



## 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 encryption that thwarts crime through innovation and stealth. M2M providers can now meet and exceed security requirements with effective, practical, and relevant embedded encryption software.

Contact Us For a Demo  
512-348-SAFE

## THE SMART-WORLD'S SMART-ENCRYPTION™

MerlinCryption LLC develops invincible smart-world solutions that protect against cyber theft and cloning in diverse M2M environments. Leading edge technology secures dynamic end-to-end data for smart-phone, smart-home, smart-grid, V2V, medical device, industry, and extraordinary emerging technologies.

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

**MerlinCryption Is Changing The Way The World Protects Data**



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