



► Encryption for applications that demand high security

Our patented encryption combines AES 256, RSA 4096 and RSA OAEP into one unified technology to create one of the world's most secure encryption standards.

Our patented security technology sets a new standard when it comes to securing data. It's at the core of our portfolio of solutions and its versatility means it can be deployed to virtually any application that needs more than just encryption alone. Developed over several years in collaboration with an elite team of Cryptographers, Mathematicians, Data Scientists and Software Developers. It combines three different encryption algorithms (AES 256, RSA 4096 and RSA OAEP) into one process and creates three different key pairs, all of which are required to decrypt the protected data. These three different key pairs are stored in three separate locations, meaning an attacker would need to carry out three separate attacks on different systems, without being detected, in order to decrypt any usable data. It works by encrypting data using AES 256 and generating an RSA 4096 key pair. That key pair is then split into three separate parts, which in turn have an additional key pair each. That secondary key pair is encrypted in RSA OAEP before being given to three separate parties (system, escrow and agent). Cryptoloc's patented encryption technology is designed for demanding applications where encryption alone is not enough.



Business Benefits

More than just encryption

Our technology combines three different algorithms into one, creating three separate key pairs which are retained by three separate parties.

Can be deployed to any application

Our technology can be deployed to virtually any software or hardware application that demands a higher level of security than encryption alone.

A fully supported technology

Unlike other encryption technologies we can work with your team to build your solution and provide full support and ongoing maintenance both pre and post implementation.

► cryptoloc.com/encryption



Our Business is
Securing Your Business

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