

# ▶ Raising The Bar When It Comes To Encryption Standards

Cryptoloc's multi-layered encryption technology combines AES 256, RSA 4096 and RSA OAEP into one, high security defence against cyber-attacks, ransomware and data theft.

Cryptoloc Technology Group has designed, developed and patented one of the world's most secure encryption technologies, which can be deployed to virtually any application, hardware or software. Unlike other encryption technologies, Cryptoloc's patented solution requires very little in terms of computing power, meaning it can be deployed to the world's smallest microprocessors, right through to world's largest multinational networks. It works by encrypting a piece of data using AES 256. The key pairs themselves are then encrypted using RSA 4096. The key pairs for this encryption layer are split into three parts (and then the key pairs for those parts get encrypted into RSA OAEP). A final key is issued to the user, system and an escrow agent. This escrow model allows you to offer an unmatched level of security because it requires not only one, but two systems to be compromised in order to obtain the final key. Cryptoloc's patented encryption technology is available for licencing.

**Distributed in Pakistan by your Cryptoloc Authorised Partner:**

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## ▶ Business Benefits

- ✔ **Highly secure, patented encryption technology that combines AES 256, RSA 4096 and RSA OAEP encryption into one unified solution.**
- ✔ **Very low computing cost**
- ✔ **Three key pairs required to decrypt files and data. Both key pairs and data are encrypted for multiple protection layers.**
- ✔ **Can be used by hardware and software applications.**
- ✔ **Simple licence agreement with full implementation support.**

▶ [rds.net.pk/cryptoloc](https://rds.net.pk/cryptoloc)

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