

Scientists have created the world's first unbreakable encryption chip, including quantum computers

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After years of research, a group of scientists recently announced the successful development of the world's first 'completely unbreakable' encryption method. This newly developed method has such a high level of security that even the leading cracking methods today, even quantum computers, have to give up.

This new coding method results from a collaboration between scientists at the University of St Andrews (Scotland), King Abdullah University of Science and Technology (KAUST).

This study is expected to enhance the security of information transmission.



The team has developed a special silicon chip to enhance coding capabilities. The chip applies natural physics rules, including the second law of thermodynamics and chaos theory (Chaos Theory).

The data will be stored as light and transmitted via a specially designed silicon chip that can bend and refract light. This causes the information contained within the light to be disturbed.

Dr Al Cruz, author of the study, said that in order to understand what happens inside this chip, you must have a professor's degree in physics research.

The new encryption method does not include programming code or software for hackers to manipulate or interfere, so it is completely immune to traditional cracking methods. Meanwhile, the codes generated by the silicon chip cannot interfere with the message and are never stored.

In the case of a hacker gaining physical access to the chip, it could only prevent the security body from working, not knowing the password.



Quantum computers are supposed to be able to crack any current encryption method.

According to the scientists' introduction this new encryption method has the ability to use in existing communication systems and can specifically prevent the threat of quantum computers.

Although quantum computers are still in their infancy, security experts have warned that as soon as quantum computers go into operation cyber terrorist groups may have archived. information to attack.

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