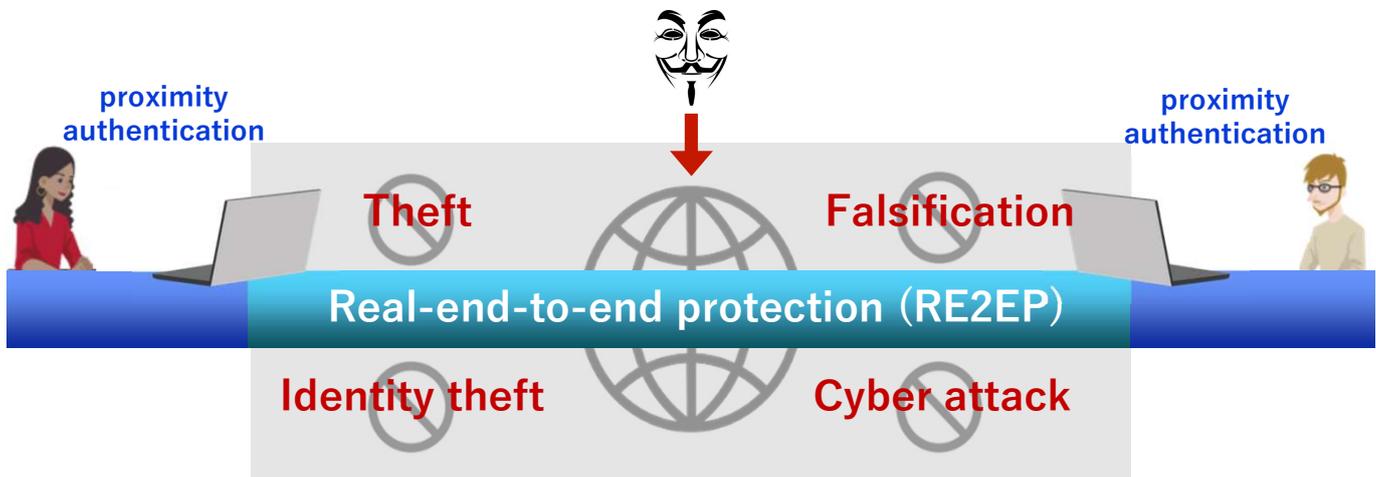


# Cipher Tunnel

The ultimate solution for confidential communication in the Internet age



Cipher Tunnel prevent threats for information security through confidential communications with true E2E capabilities. E2E means that all information is ciphered immediately after it is generated on the sending side and deciphered immediately before it is used on the receiving side.

## Our Product

- ◆ At the seventh layer of OSI (Open Systems Interconnection), information itself is protected by cipher to achieve E2E.
- ◆ All information is always ciphered except when it is being used, including within the device that transmits and receives the information.
- ◆ It is expected to be used not only in the financial sector, but also in the government, medical, and telecommunications sectors.

Application	<b>Cipher Tunnel</b>	Application
Presentation		Presentation
Session		Session
Transport		Transport
Network		Network
Data Link		Data Link
Physical		Physical

Provide various libraries, reference applications, and user manuals for system developers.

## Our Strengths

### Secure, Simple, Cost-effective

	Cipher Tunnel	IP-VPN	Internet VPN	Normal Internet Connections
Protocol	Original protocol	Carrier's line	IPsec + IKE	TLS 1.3 (TLS1.2 )
Certification	Original certification	ID/PW One time PW etc.	Kerberos, Common or Public key Authentication	Public key Authentication
Risk via VPN	N/A	Exists	Exists	N/A
Encryption key	Common key	Common or Public key	Common or Public key	Public key
Encryption key delivery	Don't deliver	Deliver or Don't	Deliver	Deliver
Cost-effective	◎	×	△	△
Encryption resistant quantum	○ (available)	×	×	×
MITMA (* 1) resistance	◎	○	△	×
Falsification resistance	◎	○	△	×

(\* 1) man-in-the-middle-attack : Attacks that intercept and control messages between users

## About Us

**CIPHER-CORE was established in December 2021 to provide a correct and effective solution using "complete cipher" to overcome this critical situation for all businesses and governments.**  
**Today, online theft is estimated to exceed 2 trillion USD/year.**  
**Using "Complete Cipher" based on "information-theoretic security", we provide secure remote authentication and confidential communications.**

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