

# ReSA

## Awaken of brand- new network security platform

\*Revolutional Security Architecture

Due to the expansion of cyber-physical systems, the number of Internet-based products is rapidly increasing.

By connecting products and services, you can build a more convenient system. On the other hand, although it is convenient, **there is a risk of attack via the network.**

### Exponential increase in network attacks on embedded devices.

Due to the impact of COVID-19, **the digital shift has progressed at once.** Many things are connected to the network, increasing the attack surface. Embedded devices are no exception. Immediate action is required.

### Security Essential for Network Connections of Embedded Devices.

With a platform that supports anti-DDoS<sup>\*1</sup> shielding functions, TLS 1.3<sup>\*2</sup>, and thoroughly implements functions into hardware, it is possible to provide a **high-speed, low-consumption, safe and secure Internet connection environment.**

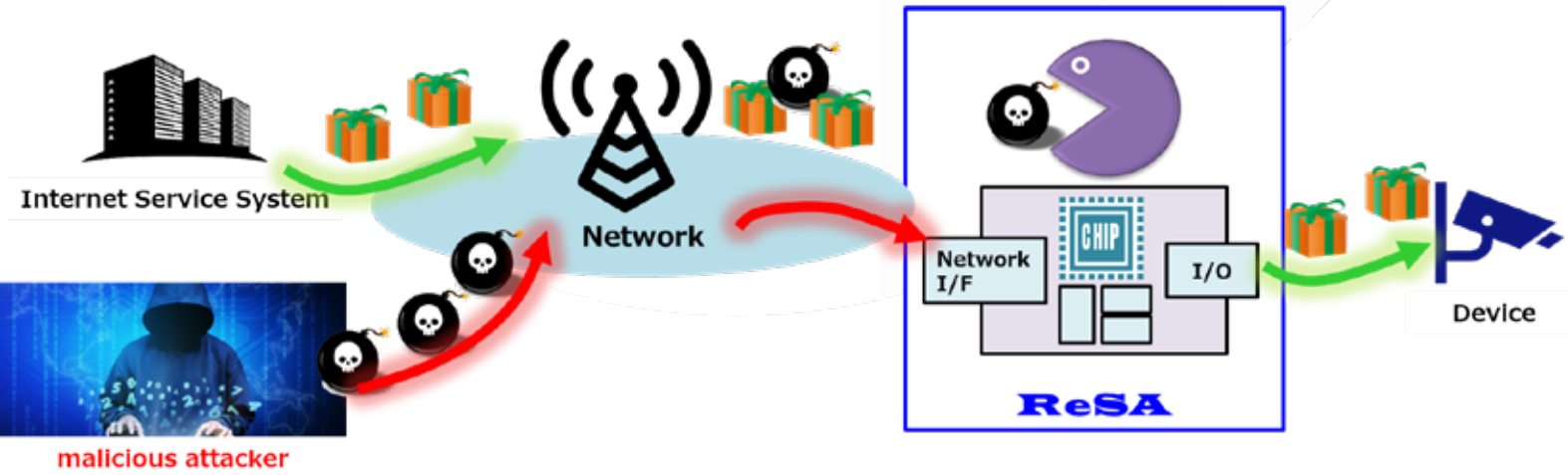
\*1 : Distributed Denial of Service attack

\*2 : Transport Layer Security

# ReSA

## Concept of "ReSA"

- "Prey" DDoS attacks and malicious packets and **allow only secure communications to pass**
- Protect against unauthorized use and attacks **at the network layer**



**[Challenges]**

Countermeasures for low-level devices such as IoT sensors, secure cameras and etc. are required

**Full hardware implementation of network security-related processing**

Full HW implementation for heavy workload up to 5<sup>th</sup> network layer **World 1<sup>st</sup>**  
 Reliable, secure, and robust communications with low power consumption

