

This is the abridged translation of Japanese text released by Panasonic Corporation at 11:00 a.m., September 14, 2015 Japan time.

Panasonic Provides the Cyber Security platform for the Internet of Things (IoT) and Machine-to-machine (M2M) Communications

Panasonic Corporation today announced that it has developed an encryption and authentication module for protecting resource-constrained IoT/M2M devices from disruptive cyberattacks*¹ on the market, such as hacking and spoofing. As the IoT/M2M develops and grows, everything will be connected to the Internet, and data communication will take place between devices. This Panasonic module achieves computer-level security, which has previously been difficult to achieve with IoT/M2M devices.

The AVC Networks Company of Panasonic Corporation has developed this encryption and authentication module. It adopts Panasonic's unique cryptographic technology, whose performance is already proven in numerous products such as electronic payment terminals. The module also enables high-speed operation in IoT/M2M devices that have access to limited resources such as CPU, ROM, and RAM. The complex and previously lengthy processing required for generating key certificates can now be executed inside IoT/M2M devices.

In line with these developments in the encryption and authentication module, starting from October 2015, we are planning to build and provide a service platform for a range of security measures. We envisage setting up a service platform that includes terminal certificate issuance for preventing spoofing of IoT /M2M devices, cyberattack detection and analysis for preventing unknown cyberattacks, and remote maintenance for collecting logs and responding to attacks.

This platform enables us to offer total support including consultation on implementation in products, authentication services, and product maintenance and operation.

We are planning to develop the terminal certificate issuance system in cooperation with Symantec Corporation*² and the cyberattack detection and analysis system with security vendors including Symantec. For our own products, we will start development from IP-PBX and surveillance cameras. In the future, we will actively develop our platform for a range of

devices in the automobile, physical security, energy management, and medical care industries, which are all expected to dramatically increase their connections to networks. We are committing ourselves to providing solutions in these industries.

1. DoS attack, man-in-the-middle attack (spoofing), data/file tampering, etc.
2. Symantec website: www.symantec.com/jp

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