

# Theft and resale risk measures in educational IT devices for developing countries.

## Overview:

Projects to manufacture IT devices at a low price and to distribute them to developing country is progressing. (Example: \$100 Laptop project by the Media Lab of MIT <http://laptop.media.mit.edu/>) The distribution scales are expected to reach the hundred-millions.

## Outline of proposal:

By applying the IPv6 technology to the IT devices, it ensures that support for the developing country is actually used in the field and helps prevent from theft and resale risk.

To be more precise, an security chip based on the IPv6 technology is embedded in to the IT device. Individual recognition and management of the IT device by Wifi can automatically neutralize the IT device when stolen or resold.

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Method of achievement:

Neutralizing the IT device

Educational institution to which the IT device is distributed is connected to a secure network using Wifi and IPv6. When the IT device is disconnected from the network for a certain time, (about one week) it is possible to make the device stop functioning.

Also, by recognizing individually over the network, devices being used illegally can be sent an order to stop functioning.

