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LOCK IO PORTS WITH K-LOCK DESIGN

HP INC

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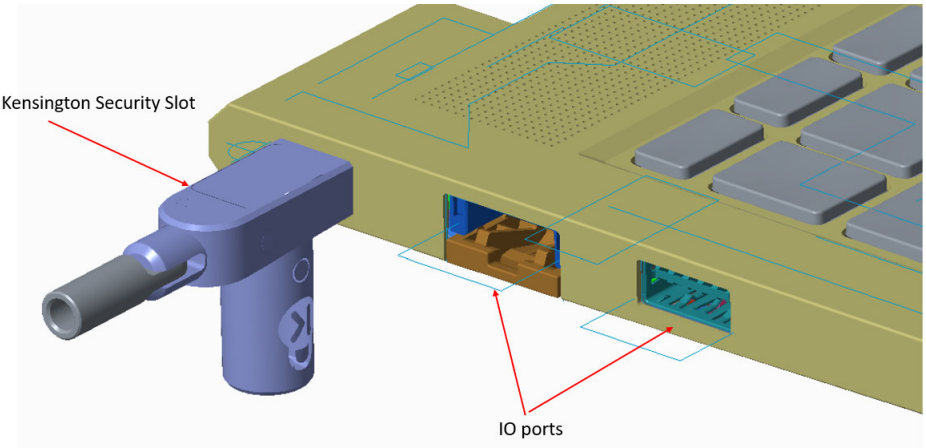
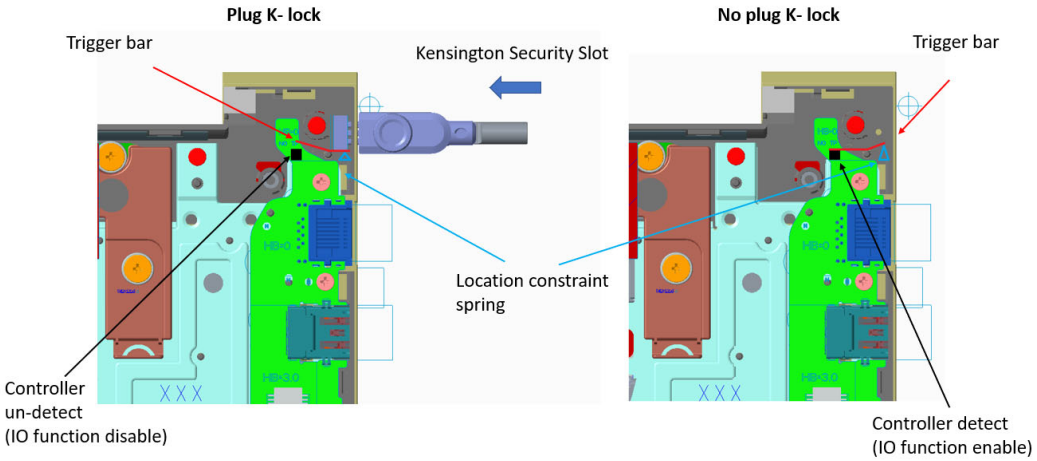
The Kensington security slot is a small hole that can be found on most portable or notebook computers products. This keyhole is used to fasten the computer cable lock. This design is using Kensington Security Slot to enable/disable IO ports.
The purpose of this article is to use the Kensington Security Slot to lock the IO ports function. To achieve the purpose that the notebook can be avoid IO transfer data risk, and greatly enhance the privacy of the notebook.

• Principle of operation

Plug K-lock:
When plugs the K-lock in Kensington security slot, lifts trigger bar in the chassis and hence doesn't touch PCB IO ports controller (enter un-detect status and IO function disable).
At this moment, IO ports have no function and increase the strength of the privacy of the notebook.

No plug K-lock:
When no plug K-lock, trigger bar backs to original location and touches PCB IO ports controller (enter detect status and IO function enable), At this moment, IO ports have function, user can use this IO ports.





- **Advantage**

- Increase personal privacy with a simple Kensington Security Slot approach.
- Cannot install in/out data from notebook IO ports, greatly increasing security

Disclosed by Allen Chen and Kuan-Eu Chen, HP Inc.