Products introduction

❖ **Disk Hacking Prevention (DHP) System**
- Single PC-based physical network segregation and end-point security system
- Secure Disk Card
- Secure USB Dongle

❖ **M-Disk**; 8-bay storage system in 3.5 inch HDD form factor with 8 M.2 SSDs

Nov. 8, 2023

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Single PC-based physical network segregation and end-point security system (Patent Pending)
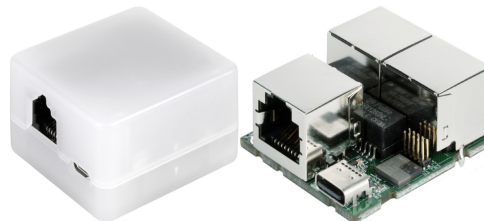
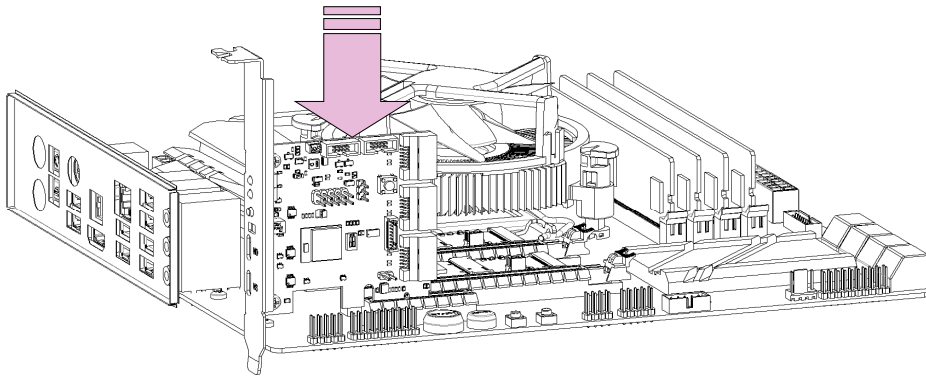## ▶ Product configuration

① Network segregation PCIe Card

▶ Product features

- Dramatically reduce costs by replacing physical network segregation based on two PCs and a KVM switch with a network segregation kit consisting of a single PC, a network switch, and so on.
- Eliminate potential hackability for single PC-based logical network segregation
- Move internal disks in disk standby to blocking status to increase end-point security
  - ✓ Internal disk ON/OFF by user or OFF by timer
  - ✓ Making internal disk disappear from device manager and explorer windows to avoid exposing it to the network
- Fast network switching with M.2 ON/OFF Adapter Card supporting M.2 NVMe (PCIe x4) SSD
- Disconnecting the network cable connected to the PC causes the operating system to stop working.
- Monitoring of the selected network by the LED color projected on the semi-translucent cover of the network selector and network dongle.
- No additional software, such as device drivers, installed on your PC.
- Full supporting for Secure Disk Card features
- Supporting operating systems: Windows 10, Windows 11

② Network & disk selector

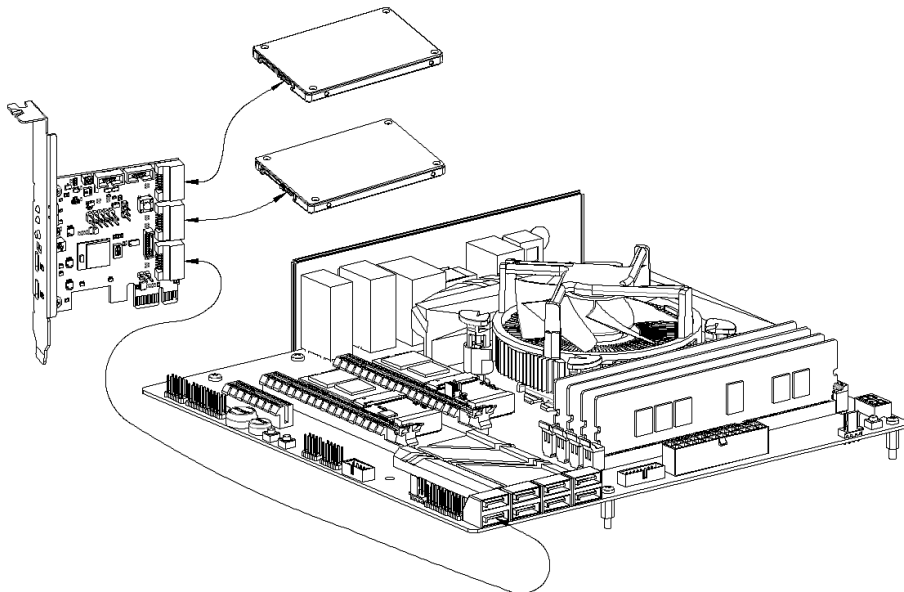③ Network dongle

④ M.2 SSD ON/OFF Adapter Card

Installing and Using Environment

① Installing Network segregation PCIe Card

② Connecting M.2 SSD ON/OFF Adapter Card

O.S for internal network

O.S for external network
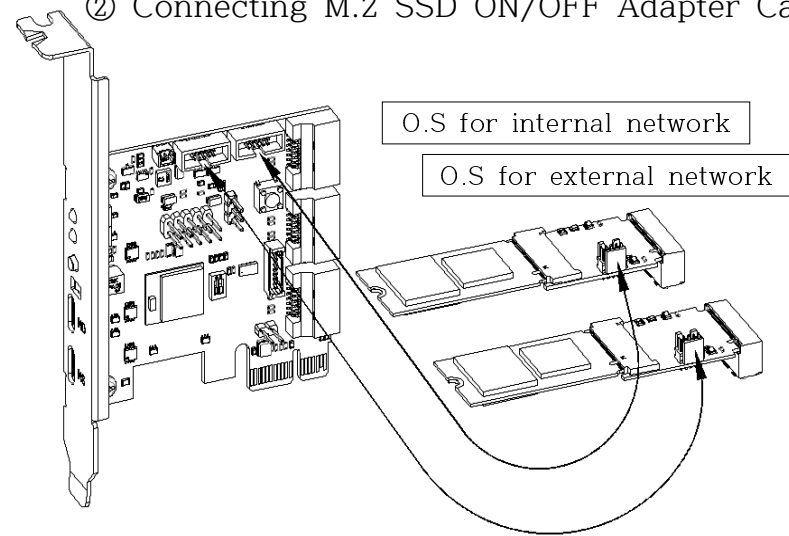
③ Connecting internal disks for user data

④ Connecting Network Dongle and Network & Disk Selector
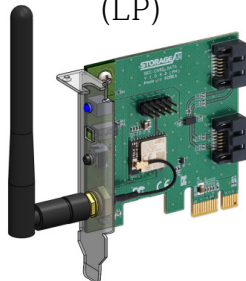
Network port to PC

ND

NS
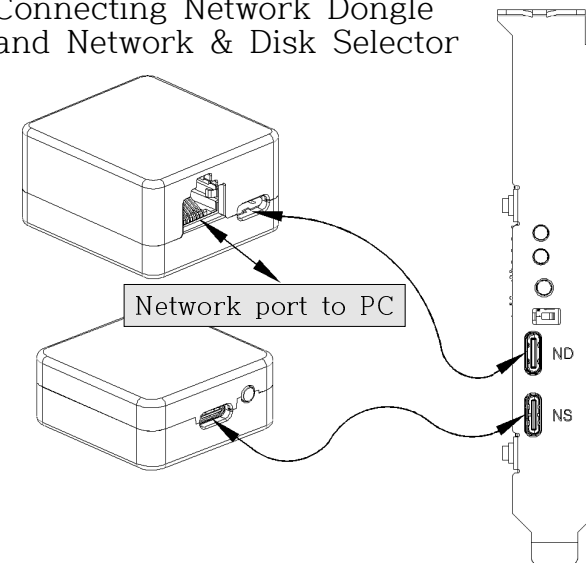
Secure Disk Card

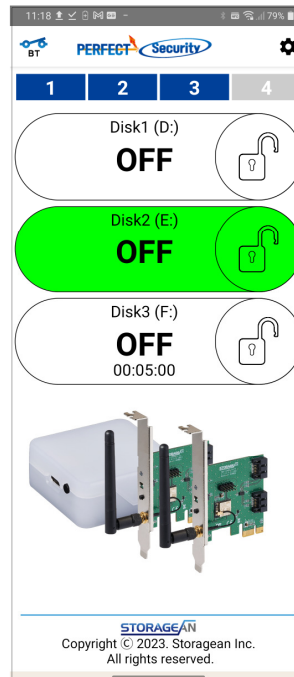## ▶ Product configuration

① Secure Disk Card (STD)

(LP)


② Smart phone App.

③ SATA3 cables - 2pieces

▶ Product features

- Switch the connection status of the internal disk connected to the Secure Disk Card to blocked after the PC boots.
- Using a smartphone app. to keep the internal disk connected or control the disk blocking
- Effect of disconnecting interface cable after disk backup by timer
- Various controls and settings via smartphone app.
  - ✓ Access Registration
  - ✓ Recognition Setting
  - ✓ Volume Label
  - ✓ Color Setting
  - ✓ Timer Setting
  - ✓ Miscellaneous Setting
- No additional software, such as device drivers, installed on your PC.
- Supporting operating systems: Windows 10, Windows 11

Secure USB Dongle

▶ Product configuration

① Secure Disk Card (STD)

② Smart phone App.

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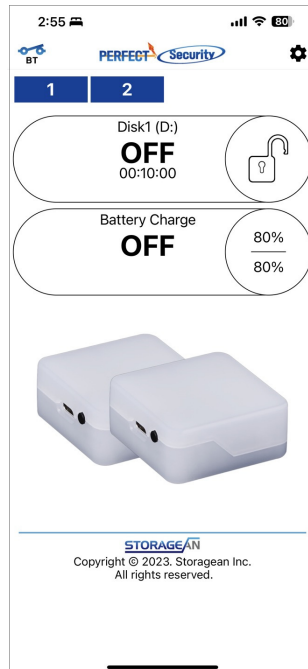
③ Accessories (for USB2.0 product)
   b. USB A-to-AF gender

a. USB cables

▶ Product features

- Chang of subject of USB memory connection from operating system to user
  - ✓ Inserting a USB memory, the O.S unconditionally connected and exposed it to the network always
  - ✓ USB connection via Secure USB Dongle ☞ Exposed to the network only when in use
- Restrict access via third-party smartphone apps.
  - ✓ Thrid party access restriction by user phone number registration
  - ✓ Stronger access restriction by password registration
- Block switching by timer setting
  - ✓ USB memory isolation effect after accessing operation
- Gold-plated terminal life extension of USB memory
- Controlling the keep-alive or block-disk toggle
  - ✓ When out of range of the Bluetooth signal
  - ✓ When closing the smartphone app.
- The smartphone app. simultaneously supports Network Segregation PCIe cards, Secure Disk Cards, and Secure USB Dongle
- Other convenient and usefule features
  - ✓ Disk button linked LED color setting
  - ✓ Smartphone battery maximum charge level setting and charge level limit function → Use the battery, the only consumable part of a smartphone, for a long time.
  - ✓ Supporting ON/OFF operation and timer operation with the switch on the Secure USB Dongle when setting the offline operation mode.

M-Disk; 8-bay storage system in 3.5 inch HDD form factor with 8 M.2 SSDs (Patent Registered in USA)

▶ Product configuration
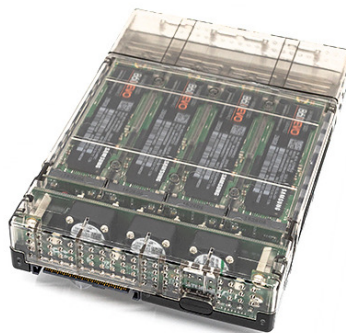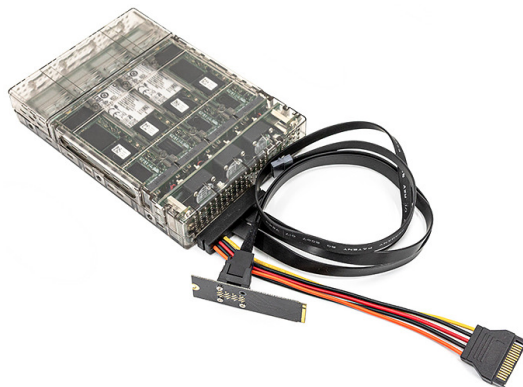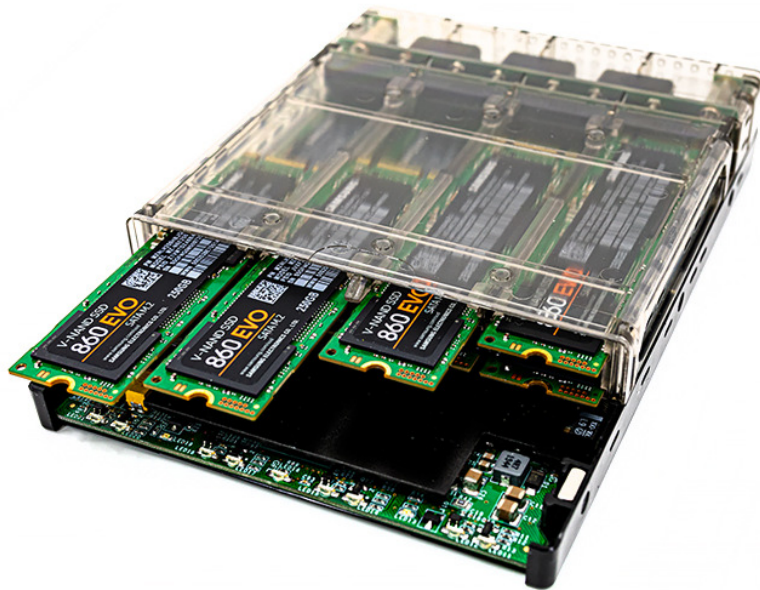
▶ Product features

- U.S. Patent Registration Number : US 11,341,078 B2
- 3.5-inch HDD form factor with eight M.2 SSDs stacked in two horizontally sliding layers.
- Capacity : Currently 64TB capacity when configured with an 8TB m.2 SSD.
- Host Interface :
  ✓ SATA3 or NVMe (PCIe) x4, depending on product
  ✓ Optional support for cable that support SATA3 and NVMe x4 together.
- Unit storage device :
  ✓ M.2 SATA or M.2 NVMe x4, depending on product
  ✓ M.2 SSD 2280, M.2 SSD 22110
- RAID support for M.2 SATA SSD : RAID0, 1, 5, 10, JBOD
- Design for vibration and heat dissipation
- Configurable user capacity with open cover structure
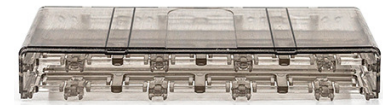
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We want to be a part of your success story.

Thank you

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