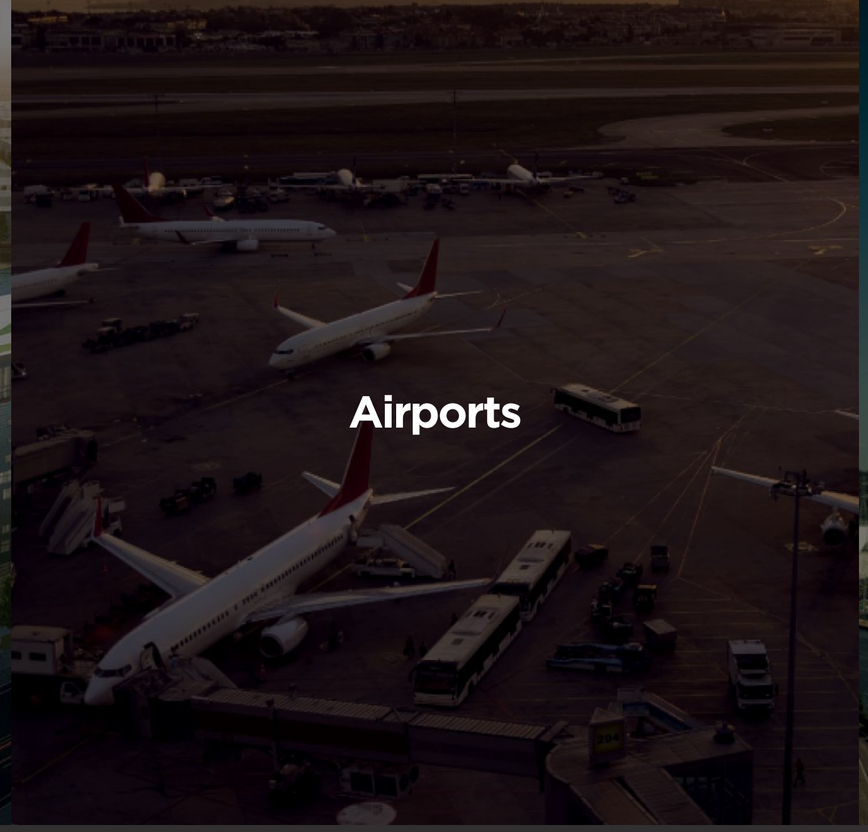
SMARTKEEPER Pro

REAL SECURITY
THAT BLOCKS SECURITY GAPS
SMARTKEEPER PRO

Government

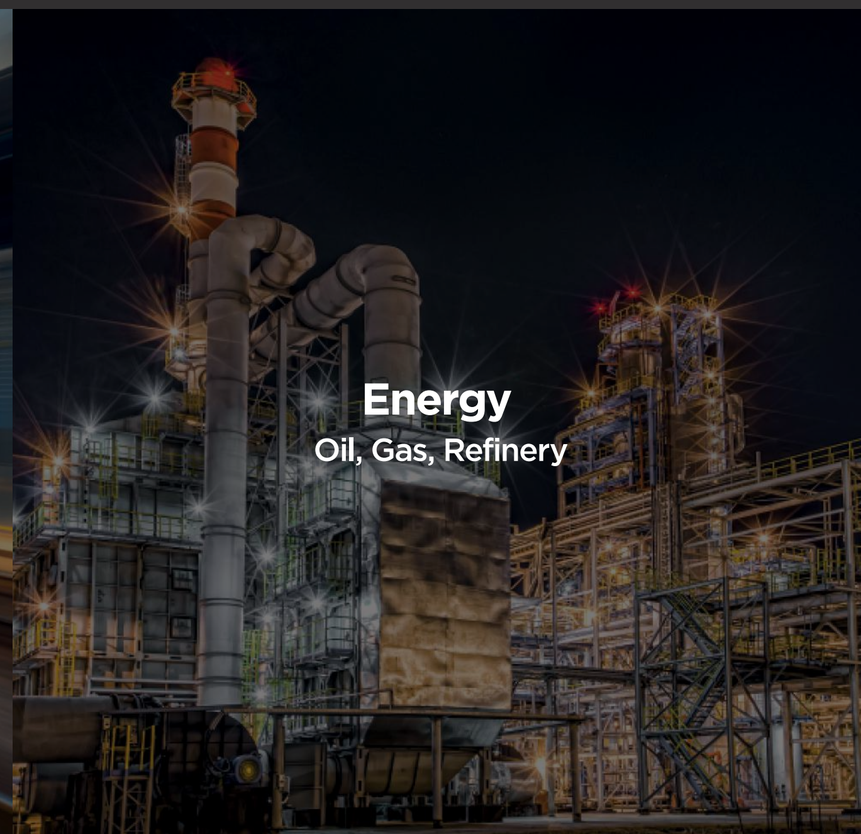

Airports

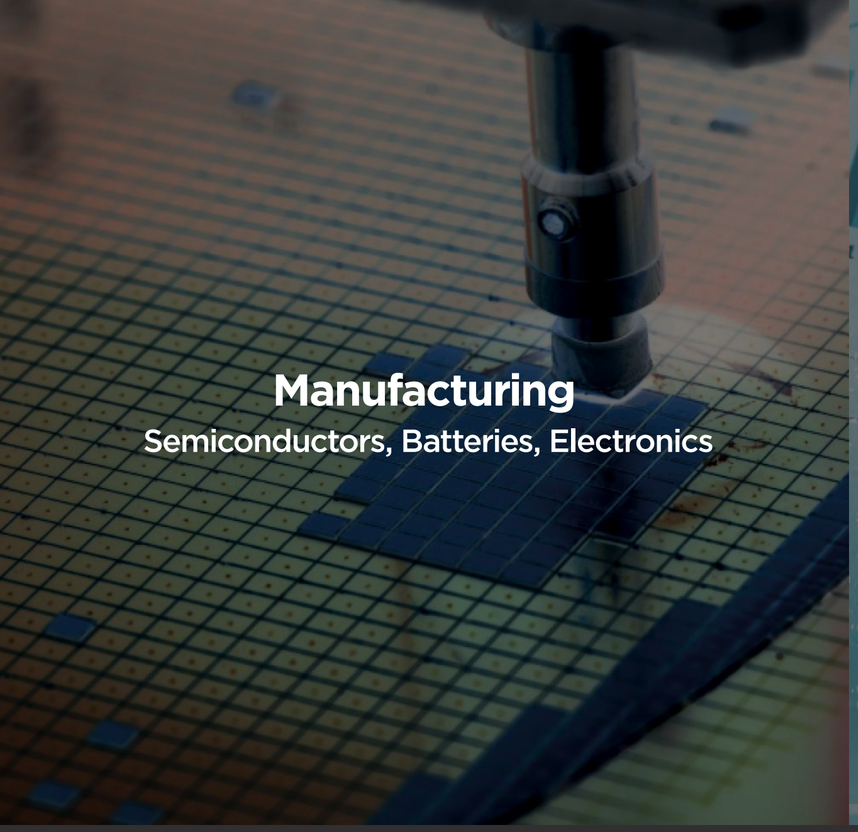
Power Generating Plants
Nuclear, Thermal, Hydroelectric

Anytime

Public Institutions

Infrastructure
Railroad, Highway, Subway


Energy
Oil, Gas, Refinery



Manufacturing

Semiconductors, Batteries, Electronics

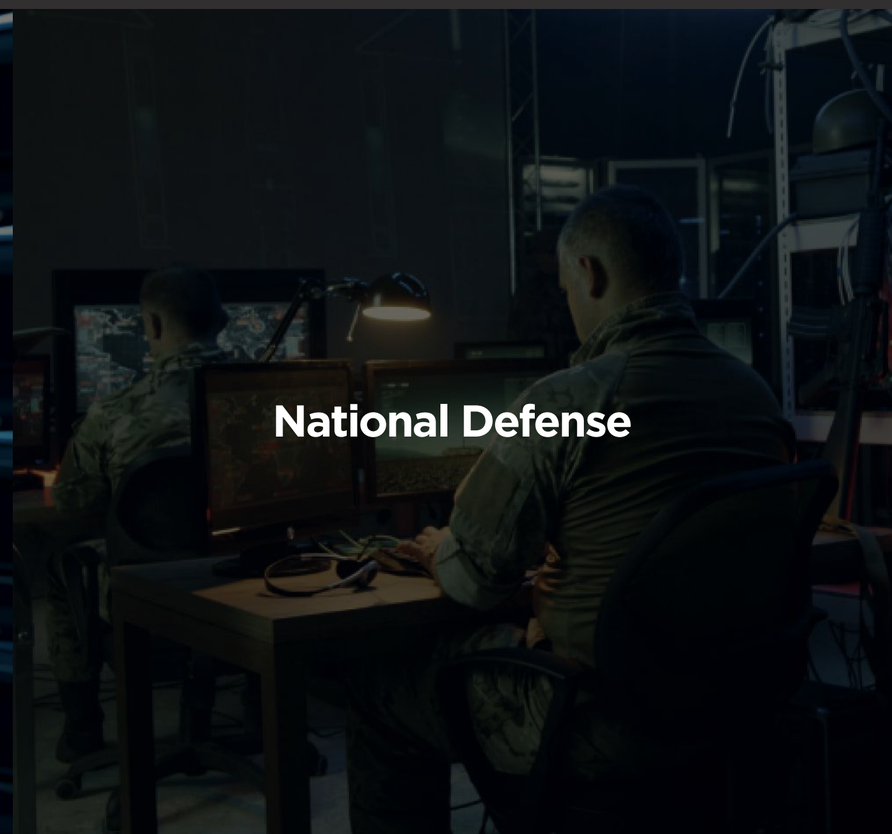
Financial Institutions

Military

Anywhere

Biomedical Industries

Information Technology



National Defense

Different level of physical security, proven by countless customers :

“ I thought all USB locking devices were the same, used as a formality rather than for security. However, **SMARTKEEPER** has changed my opinion.

SMARTKEEPER provides superior security in comparison to their competition. In addition, **SMARTKEEPER** products integrated seamlessly into our networking system and after deployment, there was a re-newed sense of security.”

In one word, it was PERFECT.

Empty **USB Port** is a security risk that requires immediate attention

Use Link Lock to allow only the devices that are authorized by security manager

Securing open **Network Ports** is an important yet basic security matter

Securing **Network (LAN) Cables** are easy

Shield yourself with a solution that can be clearly seen with **SMARTKEEPER**

SMARTKEEPER
PROFESSIONAL

Superior Security with Unmatched Compatibility

SMARTKEEPER PRO

Proven solution deployed to over 3,000 sites
including government, military and public institutions

Come & Experience **SMARTKEEPER** Now!

REFERENCES

Many customers prove the effectiveness of the **SMARTKEEPER** series.

South Korea

- Over 150 sites for nuclear, hydroelectric generating station, thermal power plant
- Over 130 transportation network infrastructure sites including water resources, railroads, airports, ports and road
- Over 78 sites for military such as Army, Navy, Air-Force and related defense facilities
- Over 130 sites of local governments, including central ministries
- National Research Institutes and Major National Institutions
- Over 120 sites of financial institutions including major banks, insurance & stock companies
- 58 educational institutions including elementary, secondary, high school and university
- 36 medical institutions, including hospitals
- Electronic company and production system of global production corporation
- 20 companies related to shipbuilding and heavy industry
- Over 130 manufacturing sites for telecommunication, display and semiconductor

Overseas

- Major governmental organizations in the U.S.A / Germany / Singapore / Honduras
- 35 sites of power plants in the U.S.A / Europe
- 56 global manufacturers
- Major military facilities
- 26 financial institutions, including Capital company

Due Diligence

Delay Mechanism & Visual Warning Message

- 1st basic security solution of the End-Point
- Countermeasures against external viruses (ransomware)
- Internal data leakage prevention

Usability & Scalability

Easy to use, Expandable with lock keys

- Easy to use and operate
- No maintenance required and semi-permanent use
- Conveniently manage multiple products with one key

Independence of Application

No impact on the system

- Applicable without any kind of software or operating system
- Applicable to systems where software security is not possible, such as backbone, nuclear power generation, or production system

SMARTKEEPER PRO Line-Up

SMARTKEEPER PRO is a complete line-up of physical security products for I/O ports of computers and network devices.
Deployed to more than 3,000 major sites globally, **SMARTKEEPER PRO** uses various patterns of Universal Lock Keys that are managed confidentially.
All products are provided through B2B sales exclusively.

USB Security

- USB Port Lock
- USB-B Port Lock
- Mini USB-B Port Lock
- Micro USB-B Port Lock
- USB-C Port Lock
- USB-C Port Lock Plus
- Link Lock
- C Link Lock
- C-Charge Lock
- Link Lock Hub
- Link On 3
- Secure Drive
- Secure Connector
- USB Closing Lock

Network Security

- Network Port Lock Plus
- LAN Cable Lock Plus
- Secure LAN Cable Coupler
- Network Module Lock 4P/8P/12P
- LAN Cable Link Lock
- Dedicated Cable
- Fiber Optic Module Lock Plus
- QSFP Port Lock
- OSFP Lock
- Fiber Optic LC Cable Lock Dual
- Fiber Optic LC Cable Lock Single
- Fiber Optic ST Cable Lock
- Fiber Optic Port Lock (ST)

Other Security

- Serial Port Lock
- DVI Port Lock
- Parallel Port Lock
- SD Port Lock
- Micro SD Port Lock
- CF Port Lock
- E-SATA Port Lock
- ODD Lock
- HDMI Port Lock
- Mini HDMI Port Lock
- DisplayPort Lock
- Mini DisplayPort Lock
- BNC Port Lock
- RF Module Lock(Type N/M)
- RJ11 Port Lock

No Key Required / PC • Laptop Security

- HDMI Cable Grip
- LAN Cable Grip
- PC Lock (Key Type)
- PC Lock (Combination)
- Laptop Lock (Combination)
- Laptop Lock Plus
- Laptop DOCK & LOCK

Lock Key

- Universal Lock Key 3
- Lock Key Mini

Universal Lock Key 3

CSK-U30

33.3 X 16.0 x 115.0mm | 71.0g (1.31” x 0.63” x 4.53” | 2.5oz)

Advantages

- Scalability : One key can unlock 40 different Pro series products.
- Variety of pattern : Numerous patterns are available.
- Key management : End-user verification and matching serial numbers.

Sleek Design

Anti-Static Pad

LED Light

LED Light Button

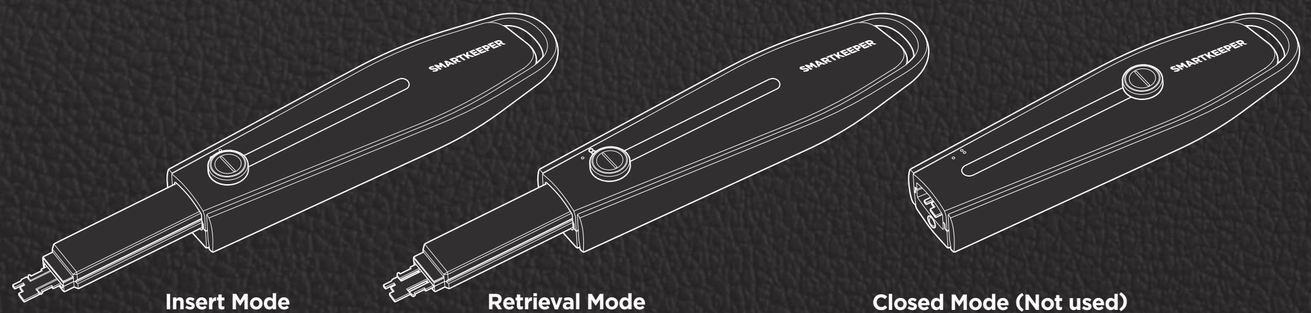
Blades

※ Pattern is obscured for security.

Button

Body

Anti-Static Pad



Insert Mode | Retrieval Mode | Closed Mode (Not used)

Universal Lock Key 3 Products

USB Security

USB Port Lock

USB-B Port Lock

USB-C Port Lock Plus

Link Lock

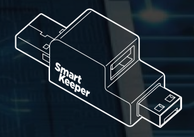
C Link Lock

C-Charge Lock

Link Lock Hub

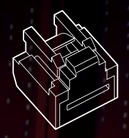
Link On 3

Secure Drive



Secure Connector

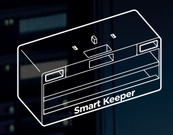
Network Security


Network Port Lock Plus

LAN Cable Lock Plus

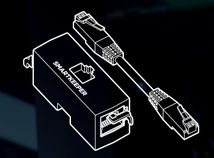
Network Module Lock 4P

Network Module Lock 8P



Network Module Lock 12P

LAN Cable Link Lock & Dedicated Cable



Secure LAN Cable Coupler

Fiber Optic Module Lock Plus

QSFP Port Lock

OSFP Lock

Fiber Optic LC Cable Lock Dual

Fiber Optic LC Cable Lock Single

Fiber Optic Port Lock (ST)

Fiber Optic ST Cable Lock

Other Security

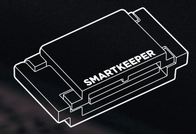
SD Port Lock

CF Port Lock

Serial Port Lock

DVI Port Lock

Parallel Port Lock



E-SATA Port Lock

ODD Lock

HDMI Port Lock

DisplayPort Lock

BNC Port Lock

RF Module Lock (Type N/M)

USB Type A

USB Port Lock

CSK-UL10

12.3 X 4.6 X 10.0mm | 1.0g

—

Blocks unused USB(USB type A) port to prevent unauthorized device access. It can be released by same patterned **Universal Lock Key 3.**

USB Type B

USB-B Port Lock

CSK-BLD10

8.4 X 7.2 X 8.5mm | 0.2g

—

Blocks unused USB-B(USB type B) port to prevent unauthorized device access. It can be released by same patterned **Universal Lock Key 3.**

USB Type C

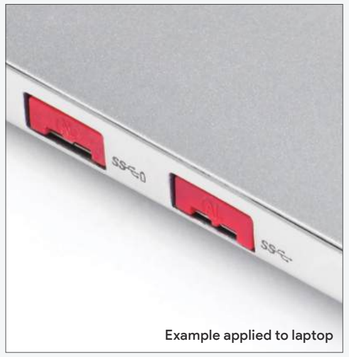
USB-C Port Lock Plus

CSK-CUL10

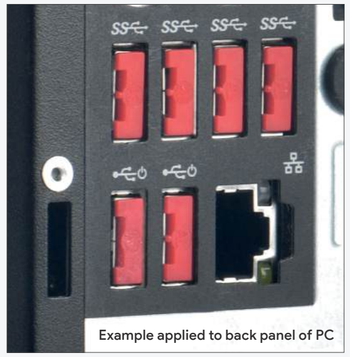
17.1 X 6.8 X 23.5mm | 3.5g

—

Blocks unused USB-C(USB type C) port to prevent unauthorized device access. It can be released by same patterned **Universal Lock Key 3.**
(⚡ Not working properly with Thunderbolt)



Example applied to laptop



Example applied to back panel of PC

Example applied to USB-B port

Before application to laptop

After application to laptop

USB
Type A

Link Lock

CSK-LK11

16.2 X 16.0 X 40.9mm | 13.1g | USB 3.0 Support

Tethers USB device (e.g. keyboard or mouse) to a USB (USB Type A) port to prevent unauthorized removal. It can be released by same patterned **Universal Lock Key 3.**

USB
Type C

C Link Lock

CSK-CLK10

19.0 X 15.1 X 43.4 mm | 8.0g

It is a physical cybersecurity device that allows a single USB-C device to a USB-C port (Server, PC, Laptop and etc.,) by the security manager so that unauthorized device cannot be used. It can be released by same patterned **Universal Lock Key 3.**

USB
Type C

C-Charge Lock

CSK-CCK10

19.0 X 15.1 X 43.4 mm | 8.0g

This device blocks all data transfer to a USB-C port while allowing the prot to be used for charging only. It can be released by same patterned **Universal Lock Key 3.**

Example applied to laptop

Example applied to back panel of PC

After application to laptop

After application to laptop

Lock by
USB Port Lock

USB
Type A

Link Lock Hub

CSK-LKH10

145.0 X 37.4 X 95.0mm | 111.0g

—

Works in conjunction with Link Lock. Allows use of multiple devices and prevents unauthorized removal of attached devices on Link Lock Hub. It can be released by same patterned **Universal Lock Key 3.**

USB
Type A

Link On 3

CSK-OM30

21.9 X 12.18 X 78.9mm | 17g

—

A USB memory that can be physically locked to a USB port to prevent memory theft in your absence.
It has a capacity of 128 GB and can be unlocked with the same pattern of **Universal Lock Key 3.**

USB
Type A

Secure Drive

CSK-SM01

12.2 X 4.7 X 45.6mm | 7.0g | 32GB

—

Secure Drive is a 32GB USB Flash drive that is recognized only through a Secure Connector of the same pattern.
Secure Drive will not be recognized by general USB ports.

Inside of Link Lock Hub

Example of installation and lock

Example applied to laptop

Example applied to laptop

Example applied to front panel of PC

USB Type A

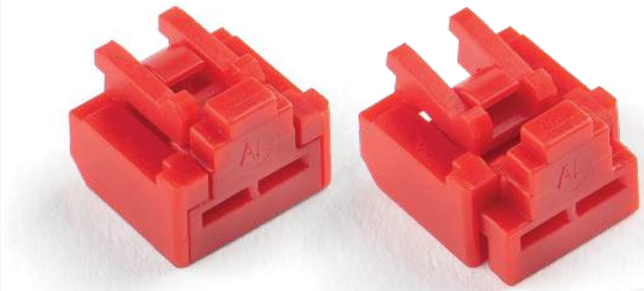
Secure Connector

CSK-SC10

16.2 X 16.0 X 40.9mm | 10.0g

—

Secure Connector is used to read the Secure Drive and to block access to the USB Ports. It can be released by same patterned **Universal Lock Key 3.**



Ethernet RJ45

Network Port Lock Plus

CSK-NL11

11.7 X 9.6 X 11.5mm | 0.7g

—

Blocks unused Ethernet RJ45 port to prevent unauthorized access. It can be released by same patterned **Universal Lock Key 3.**

Ethernet RJ45 Connector

LAN Cable Lock Plus

CSK-NC11

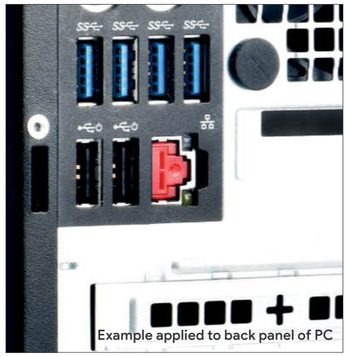
13.7 X 15.1 X 27.0mm | 4.9g

—

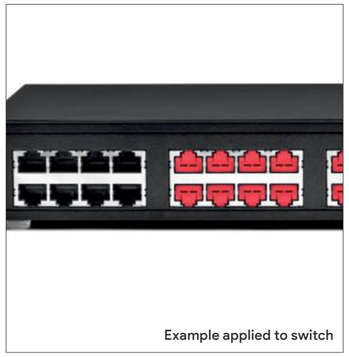
Tethers LAN cable to Ethernet RJ45 port physically to prevent unauthorized access into the port by unplugging the cable. It can be released by same patterned **Universal Lock Key 3.**

Example of Secure Drive and Secure Connector

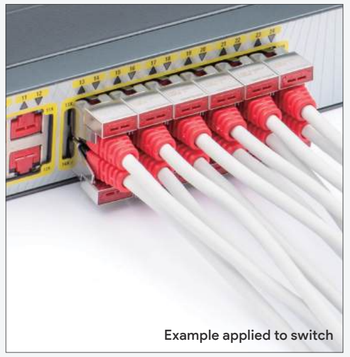
Example applied to front panel of PC



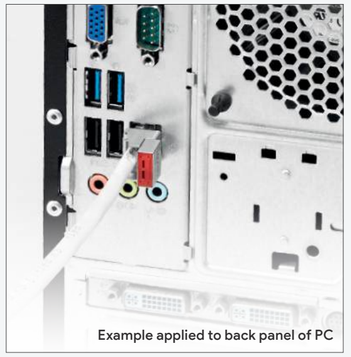
Example applied to back panel of PC



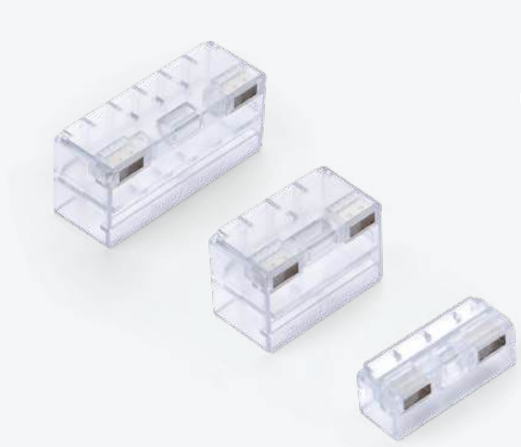
Example applied to switch



Example applied to switch



Example applied to back panel of PC



Lock by
USB Port Lock

Ethernet RJ45
Connector

Network Module Lock 4P·8P·12P

CSK-NM10/P4 | CSK-NM10/P8 | CSK-NM10/P12

4P | 57.6 X 20.7 X 20.0mm | 13.6g
8P | 59.7 X 39.0 X 30.0mm | 26.0g
12P | 87.7 X 39.0 X 30.0mm | 35.1g

Tethers multiple LAN cables(connectors) to Ethernet RJ45 ports to prevent unauthorized access. Applied as a module unit without unplugging the cables and lock it with two USB Port Lock. It can be released by same patterned **Universal Lock Key 3.**
(available in 4, 8, or 12 port configuration)

Ethernet
RJ45

LAN Cable Link Lock & Dedicated Cable

CSK-NIP01 | CSK-NIP-CA01

LAN Cable Link Lock | 22.0 X 22.0 X 120.0mm | 25.0g
Dedicated Cable | 10.0mm X 2M | 63.0g

LAN Cable Link Lock is a network cable connector that enables communication only when pattern matching.
Dedicated Cable is used. Physically distinguish between different networks. Use LAN Cable Link Lock with LAN Cable Lock Plus to create a secure network environment.

Lock by
Network Port Lock Plus

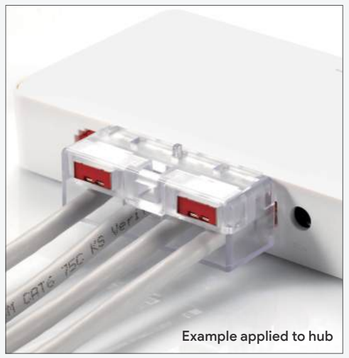
Ethernet RJ45
Connector

Secure LAN Cable Coupler

CSK-NCC10

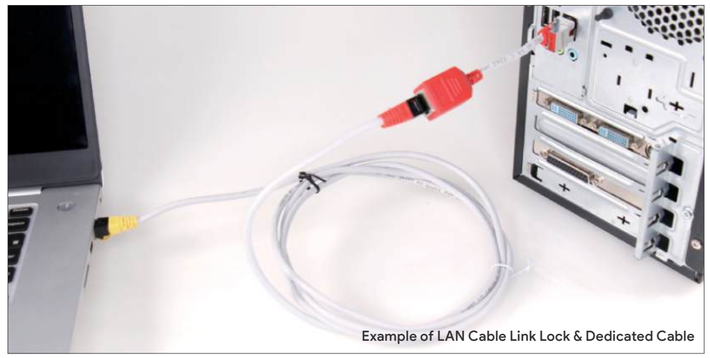
53.2 X 24.4 X 23.6mm | 25g

Prevents accidental separation of LAN cable (Ethernet RJ45) from the network device. It can be released by same patterned **Universal Lock Key 3.**

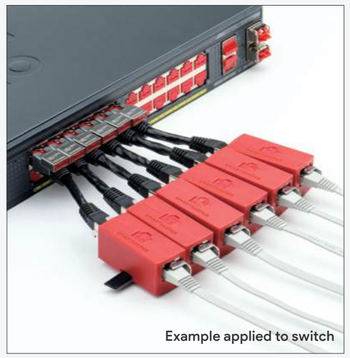


Example applied to hub

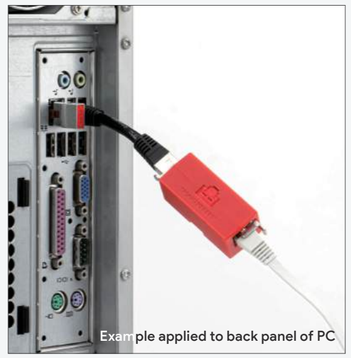
Example applied to switch



Example of LAN Cable Link Lock & Dedicated Cable



Example applied to switch



Example applied to back panel of PC

SFP Module

Fiber Optic Module Lock Plus

CSK-FO11

13.4 X 8.6 X 14.1mm | 3.0g

—

Blocks access to unauthorized equipment by inserting it into an unused SFP(Small form-factor pluggable) transceiver module of a network switch equipment.
A product with enhanced security in the optical module lock. It can be released by same patterned **Universal Lock Key 3.**

QSFP

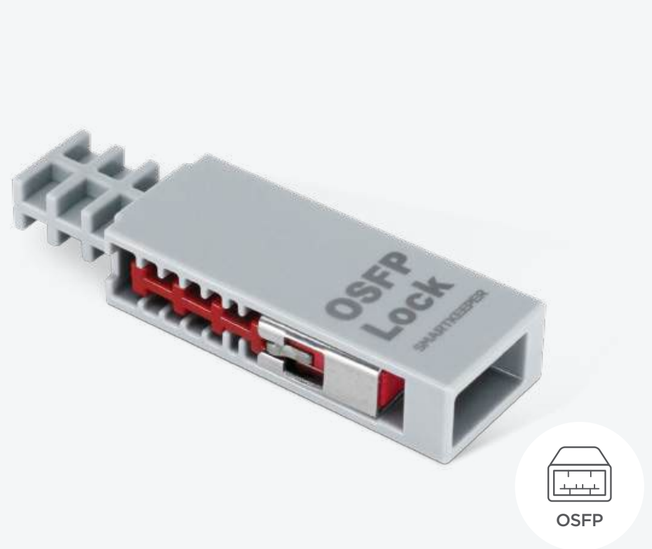
QSFP Port Lock

CSK-QFO10

18.5 X 8.3 X 40.0mm | 8.3g

—

Blocks unused QSFP(Quad Small form-factor pluggable) transceiver port to prevent unauthorized access.
It can be released by same patterned **Universal Lock Key 3.**



OSFP

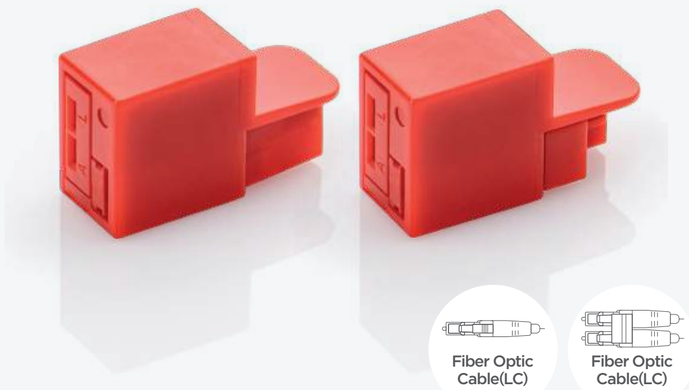
OSFP Lock

CSK-OSF10

22.1 X 12.4 X 73.8 mm | 18g

—

Physically blocks unused empty OSFP(Octal Small Form-factor Pluggable) ports to prevent unauthorized access.It can be released by same patterned **Universal Lock Key 3.**



Fiber Optic LC Cable Lock Dual · Single

CSK-FOC10D | CSK-FOC10S

Fiber Optic LC Cable Lock Dual | 11.8 X 16.2 X 27.2 mm | 3.5g
Fiber Optic LC Cable Lock Single | 11.6 X 16.2 X 27.2 mm | 3.5g

Locks a single or dual type LC fiber optic cable to a port, prevents it from being pulled out by vibration or other forces, and can be installed without removing a cable from the port. It can be released by same patterned **Universal Lock Key 3.**

Example applied to switch

Example applied to media converter

Fiber Optic ST Cable Lock

CSK-FOSC10

12.6 X 6.5 X 16.4mm | 5.1g

Prevent optical patch ST Cable disconnecting by vibration or forces. It can be released by same patterned **Universal Lock Key 3.**

Example before application

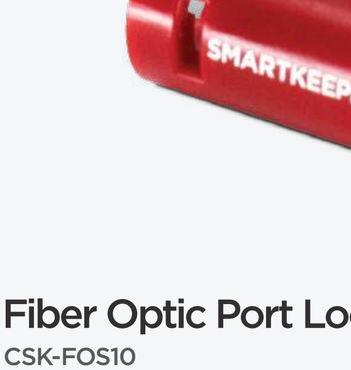
Example after application

Fiber Optic Port Lock (ST)

CSK-FOS10

Ø12 X 21mm | 1.7g

Blocks unused empty fiber optic ST(Straight Tip) ports to prevent unauthorized access. It can be released by same patterned **Universal Lock Key 3.**


Example before application

Example after application

SD Card Slot
(Secure Digital)

SD Port Lock

CSK-SDD10

24.0 X 2.3 X 21.5mm | 1.5g

—

Blocks unused SD(SecureDigital) card port to prevent the use of unauthorized SD memory card. It can be released by same patterned **Universal Lock Key 3.**

CF Card Slot
(CompactFlash)

E-SATA

CF Port Lock · E-SATA Port Lock

CSK-CFD10 | CSK-ETD10

CF Port Lock | 42.5 X 4.6 X 21.0mm | 3.0g
E-SATA Port Lock | 15.3 X 3.9 X 6.9mm | 0.3g

—

Blocks unused CF(CompactFlash) card port · E-SATA (eSATAp) port to prevent unauthorized access.
It can be released by same patterned **Universal Lock Key 3.**

Lock by
USB Port Lock

Serial
DE9,DB9,
RS232

DVI
DVI-I / DVI-D

Parallel
(DB-25)

Serial · DVI · Parallel Port Lock

CSK-SPL10 | CSK-DL10 | CSK-PL10

Serial Port Lock | 34.2 X 12.1X 17.6mm | 5.5g
DVI Port Lock | 41.6 X 12.1 X 17.6mm | 6.5g
Parallel Port Lock | 56.2 X 12.1 X 17.6mm | 8.2g

—

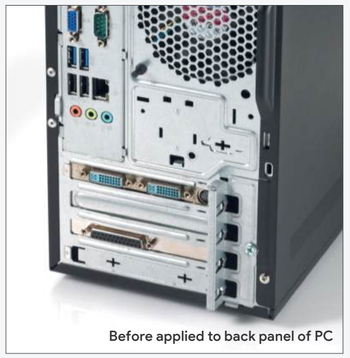
Blocks Serial(RS232 Ports, 9-pin COM, and RGB/VGA) ports, DVI(DVI-I/DVI-D) ports, Parallel(DB-25) ports on systems such as PCs or servers. It can be released by same patterned **Universal Lock Key 3.**

Before application to laptop

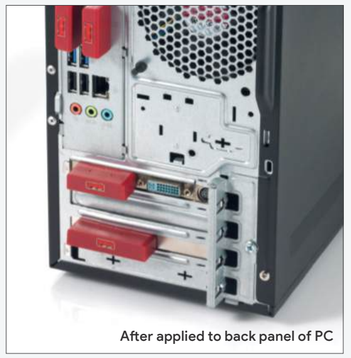
After application to laptop

After application to E-SATA port

After applied to front panel of PC



Before applied to back panel of PC



After applied to back panel of PC

ODD

ODD Lock

CSK-OL10

28.2 X 3.9 X 26.6mm | 4.1g

—

Restricts the use of optical(DVD/CD-ROM) drives. It can be released by same patterned **Universal Lock Key 3.**

HDMI DP

HDMI Port Lock · Display Port Lock

CSK-HMD10 | CSK-DLD10

HDMI Port Lock | 13.9 X 4.5 X 7.0mm | 0.3g

Display Port Lock | 16.0 X 4.7 X 8.6mm | 0.3g

—

Blocks unused HDMI(High-Definition Multimedia Interface) port · DP(Display) Port to prevent unauthorized access. It can be released by same patterned **Universal Lock Key 3.**

Lock by
Network Port Lock Plus

BNC

BNC Port Lock

CSK-BNL10

Ø18 X 17.0 X 18.0mm | 17.5g

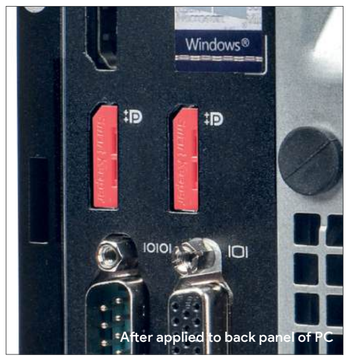
—

Prevents and delays external intrusion by physically blocking BNC ports such as measuring instruments, broad casting equipment, and communications equipment from being arbitrarily used. It can be released by same patterned **Universal Lock Key 3.**

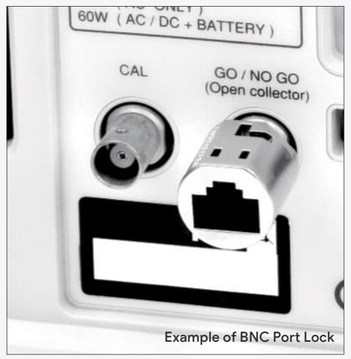
Locking pin of ODD Lock

Example applied to optical drive

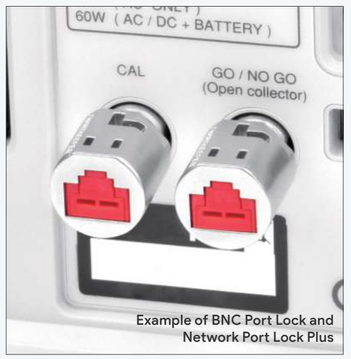
After application to laptop



After applied to back panel of PC



Example of BNC Port Lock



Example of BNC Port Lock and
Network Port Lock Plus

Lock by
Network Port Lock Plus

RF
(N/M Type)

RF Module Lock (Type N/M)

CSK-RM10

Ø20.9 X 14.8 X 28.0mm | 5.0g

—

Prevents and delays external intrusion by physically blocking RF Modules(N, M Type) such as measuring instruments, broadcasting equipment, and communications equipment from being arbitrarily used. It can be released by same patterned **Universal Lock Key 3.**

Example of RF Module Lock

Example of RF Module Lock and
Network Port Lock Plus

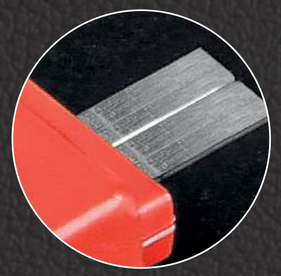
Lock Key Mini

CSK-U04

19.2 X 7.4 X 92.61mm | 8.5g

Advantages

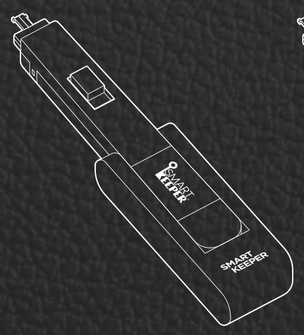
- It can unlock all 7 **SMARTKEEPER Pro** Mini products.
- It managed by serial number is not available to the public (B2B only).
- It is provided after end user verification.



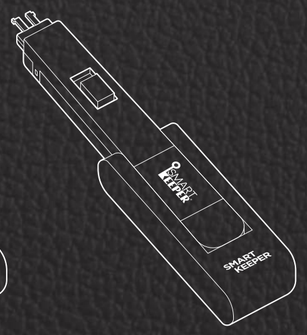
Thin but strong Key Blades.

※ Pattern is obscured for security.

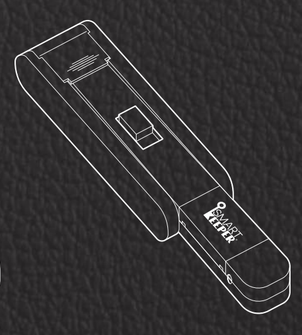
Flip the cover cap over to protect the key blades.



Insert Mode



Retrieval Mode



Closed Mode (Not used)

Mini USB-B

Mini USB-B Port Lock

CSK-UL04

6.7 X 3.05 X 5.35mm | 0.1g

Blocks unused Mini USB-B(Mini-B) port to prevent unauthorized device access. It can be released by **Lock Key Mini.**

Before application to Mini USB-B port

After application to Mini USB-B port

Micro USB-B

Micro USB-B Port Lock

CSK-MUL04

6.85 X 1.79 X 3.5mm | 0.1g

Blocks unused Micro USB-B(Micro-B) port to prevent unauthorized device access. It can be released by **Lock Key Mini.**

Example applied to Micro USB-B port

Example applied to Micro USB-B port

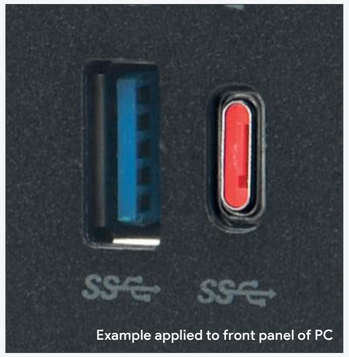
USB Type C

USB-C Port Lock

CSK-CL04

8.3 X 2.5 X 6.0mm | 0.2g

Blocks unused USB-C (USB Type C) port to prevent unauthorized device access. It can be released by **Lock Key Mini.**



Example applied to front panel of PC

Example applied to laptop

Mini HDMI

Mini HDMI Port Lock

MHMD04

10.4 X 2.51 X 4.0mm | 0.07g

Physically blocks unused Mini Display Ports(DP) to prevent unauthorized access. It can be released by **Lock Key Mini.**

Mini DP

Mini DisplayPort Lock

CSK-MD04

7.4 X 4.4 X 5.0mm | 0.1g

Blocks unused Mini DP (DisplayPort) to prevent unauthorized device access. It can be released by **Lock Key Mini.**

Micro SD Card Slot

Micro SD Port Lock

MSD04

10.5 X 1.0 X 13.0mm | 0.12g

Physically blocks unused Micro SD ports to prevent unauthorized access. It can be released by **Lock Key Mini.**

Before application to Mini HDMI port

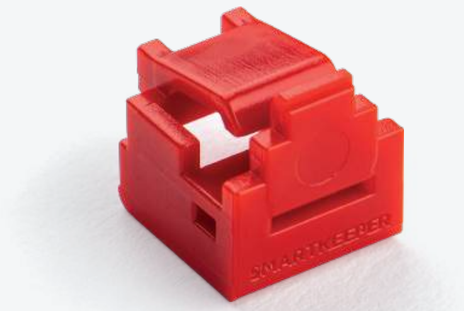
After application to Mini HDMI port

Before application to Mini DisplayPort

After application to Mini DisplayPort

Before application to Micro SD port

After application to Micro SD port



RJ11 Port

RJ11 Port Lock

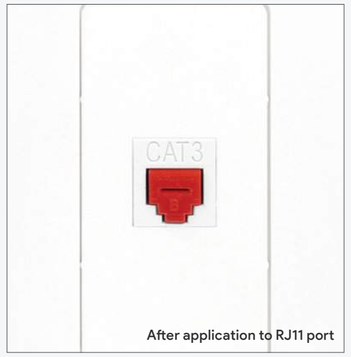
CSK-MNL04

9.4 X 10.5 X 10.9mm | 0.5g

—

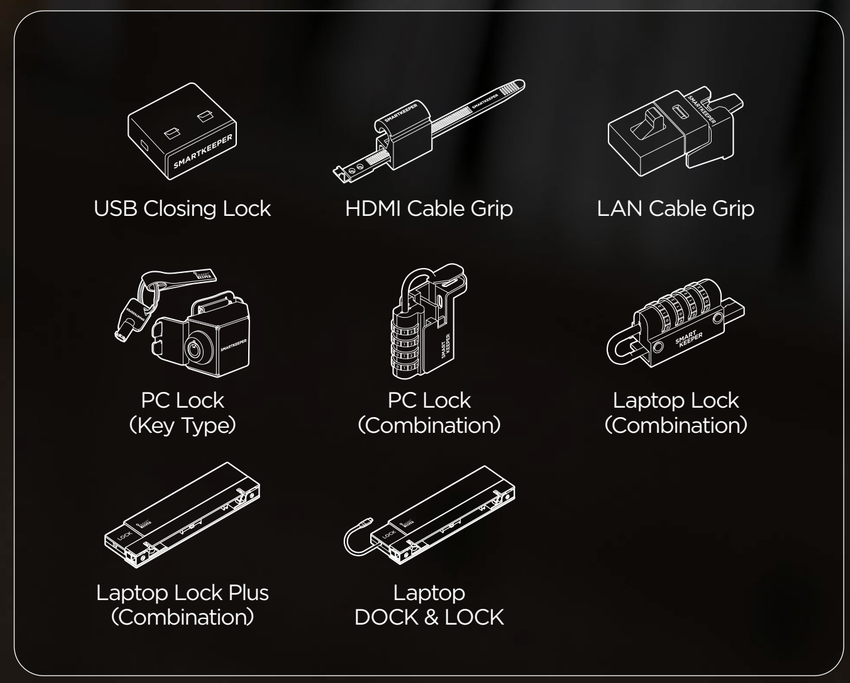
Blocks unused RJ11 port to prevent unauthorized device access. It can be released by **Lock Key Mini.**

Before application to RJ11 port



After application to RJ11 port

No Key Required / PC • Laptop Security



USB Type A

USB Closing Lock

CSK-PC01

12.4 X 4.6 X 10.0mm | 1.0g

—

Blocks unused USB(USB type A) port **permanently** to prevent unauthorized device access.
It cannot be released once inserted into the USB port.

HDMI Cable

HDMI Cable Grip

HCG01

Cable Holder | 13.7 X 18.4 X 18.6mm | 2.5g
Strap | 8.8 X 5.2 X 105.3mm | 2.0g

—

Locks the HDMI cable in broadcast, on-set, and PC environments to prevent vibration or accidental dislodgement.

Ethernet RJ45 Connector

LAN Cable Grip

NCG01

13.7 X 13.2 X 40.0mm | 4.5g

—

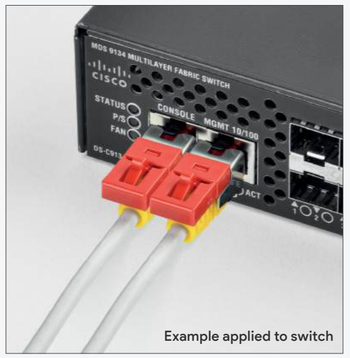
Prevents accidental separation of LAN cable (Ethernet RJ45) from the network device. Can be released without a key.

Before application to USB port

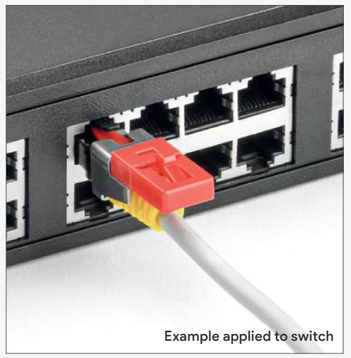
After application to USB port

Example applied to laptop

Example of application of filming equipment



Example applied to switch


Example applied to switch

Desktop

PC Lock (Key Type)

CSK-SL01

50.0 X 29.4 X 56.0mm | 123.0g

Cable | 2M X 3.0mm | 79.0g

—

Prevents theft of desktop PC or opening of the side panel of a desktop PC. A separate patterned key is required to unlock. Numerous patterns can be manufactured.

Example before applied to back panel of PC

Example after applied to back panel of PC

Desktop

PC Lock (Combination)

CSK-SLD01

19.3 X 50.1 X 54.3mm | 91.0g

Cable | 2M X 3.0mm | 79.0g

—

Prevents theft of desktop PC or opening of the side panel of a desktop PC.
It has 4-digit dial type lock, so it is easy to manage.
(Cannot reset password, User's can only change the password).

Example applied to back panel of PC

Example applied to back panel of PC

USB Type A

Laptop

Laptop Lock (Combination)

CSK-LLD01

16 X 22.7 X 54.5mm | 62.0g

Cable | 2M X 3.0mm | 79.0g

—

Laptop locking device using USB (USB Type A) ports to prevent theft and removal of laptops.
It has 4-digit dial type lock, so it is easy to manage.
(Cannot reset password, User's can only change the password).

Example applied to laptop

Example applied to laptop

Laptop Lock Plus (Combination)

LLD02

273.0 X 76.0 X 24.0 mm l 395.0g

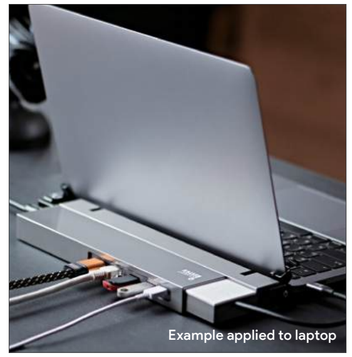
It is an anti-theft device for laptops. It can be installed without any security hole or specific ports. It secures the laptop to a physical appliance such as a table or desk with a security cable. It is a combination lock and SMARTKEEPER Multi Hub (optional) can be use together.

Laptop DOCK & LOCK

LLD02P

273.0 X 76.0 X 24.0 mm l 510.0g

A docking station type laptop security device that is compatible with various sizes of laptops and offers flexible expandability to prevent laptop theft and expand ports at the same time.



SMART KEEPER Pro

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