

REAL SECURITY
THAT BLOCKS SECURITY GAPS
SMARTKEEPER PRO



Government



Airports



Power Generating Plants
Nuclear, Thermal, Hydroelectric

Anytime



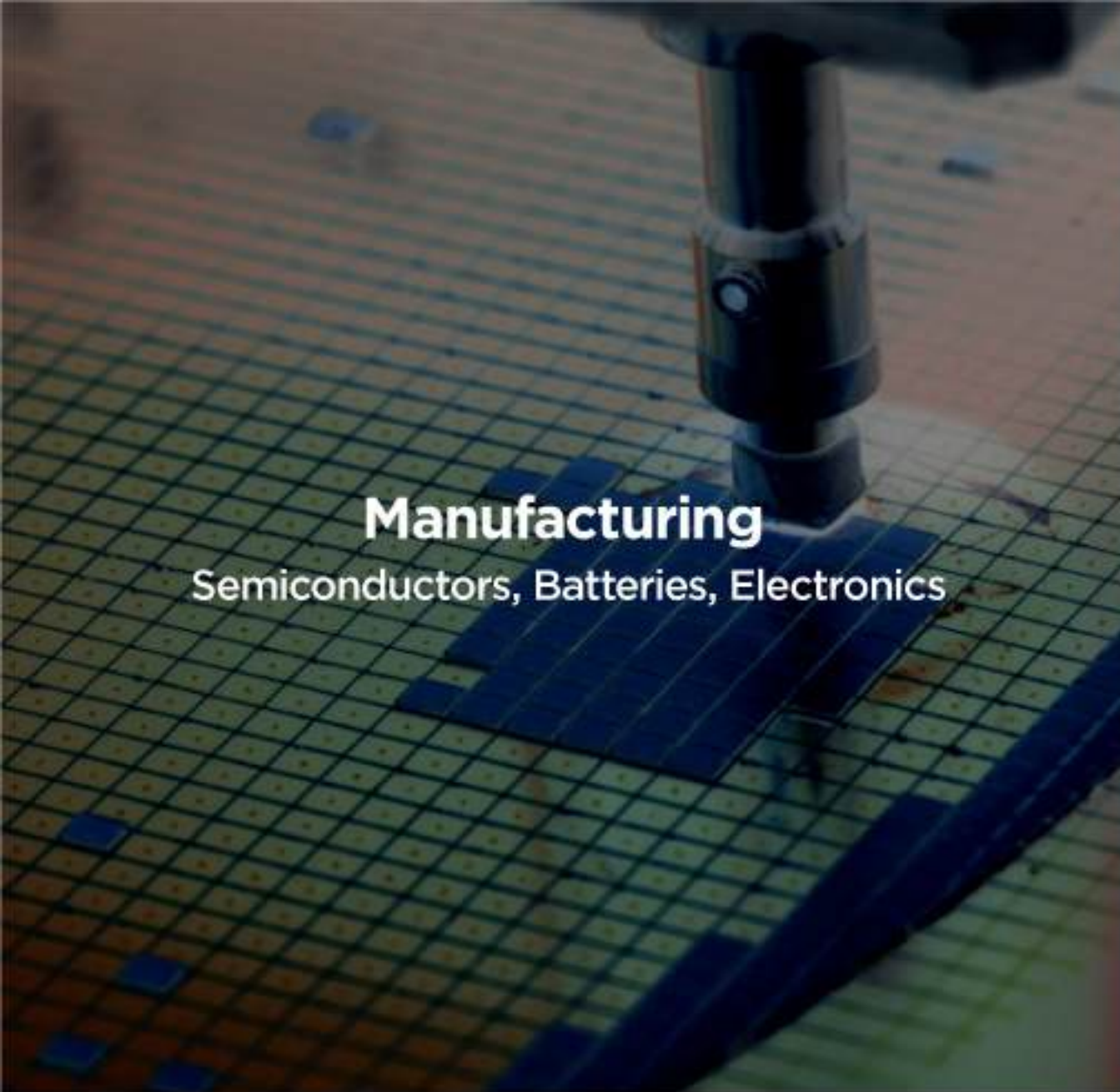
Public Institutions



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 renewed 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 + Coming Soon
- 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 LC Cable Lock Dual
- Fiber Optic LC Cable Lock Single
- Fiber Optic Module Lock Plus
- QSFP Port Lock
- OSFP Port Lock + Coming Soon

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



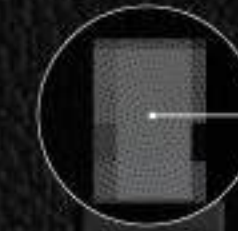
Anti-Static Pad



LED Light



LED Light Button



Blades

* Pattern is obscured for security.



Button

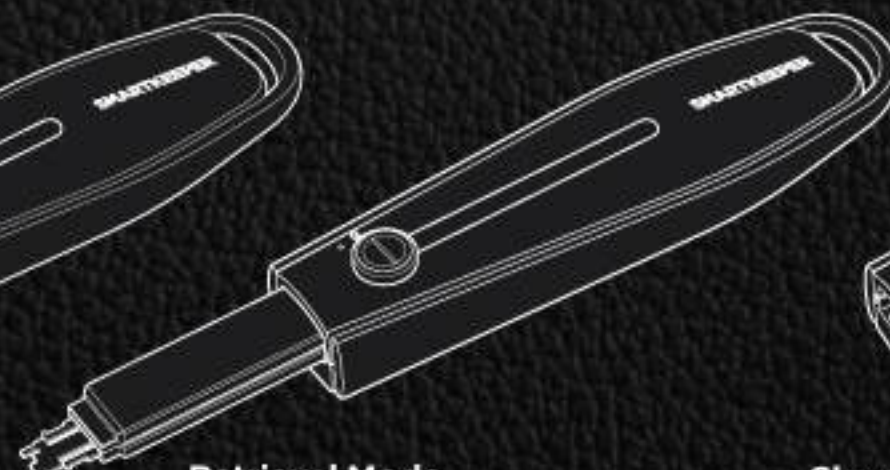
Body



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 **+ Coming Soon** C Link 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 Fiber Optic LC Cable Lock Dual Fiber Optic LC Cable Lock Single QSPF Port Lock **+ Coming Soon** OSFP Port 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

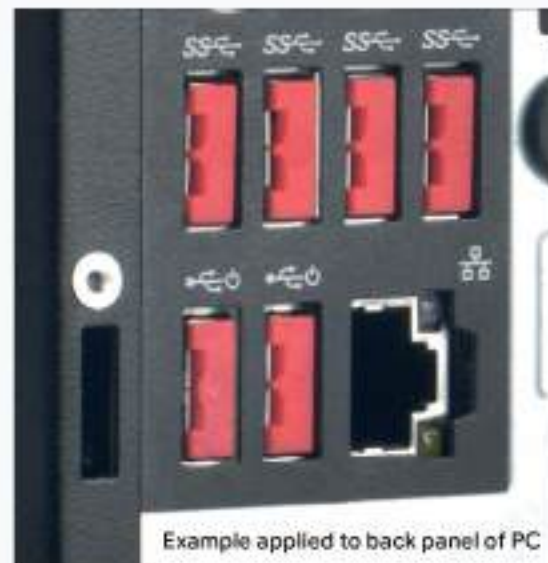
USB-C Port Lock Plus

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



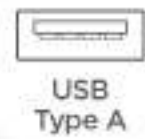
Example applied to USB-B port



Before application to laptop



After application to laptop



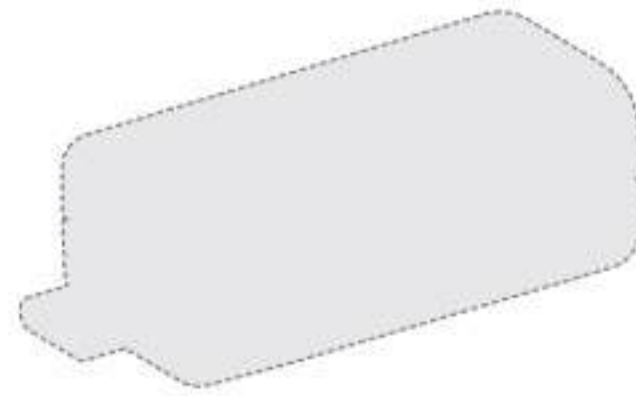
Link Lock

CSK-LK11
16.2 X 16.0 X 40.9mm | 13.1g | USB 3.0 지원

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**.



+ Coming Soon



C Link Lock

A physical security product that allows only USB-C Type devices authorized by the security administrator to be securely attached and used in the USB-C ports of computing devices such as laptops and PCs.



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**.





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**.



Example applied to laptop



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.



Example applied to laptop



Example applied to front panel of PC



Secure Connector

CSK-SC10
16.2 X 16.0 X 40.9mm | 10.0g

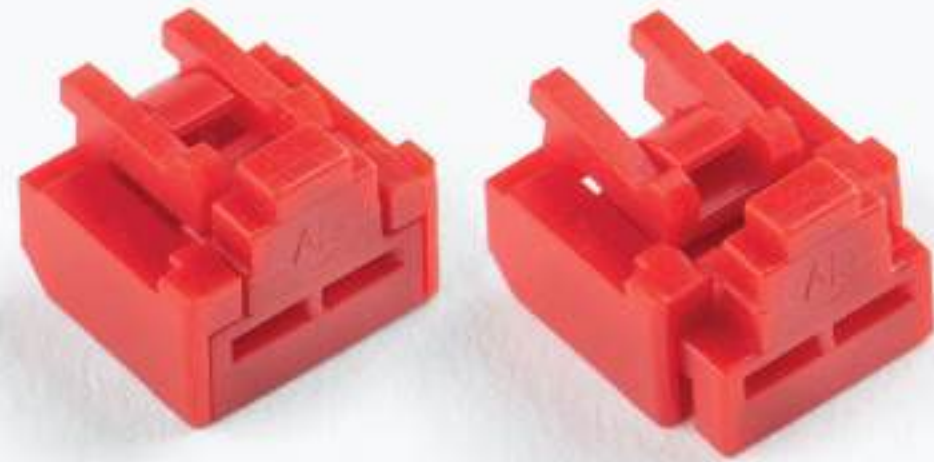
Secure Connector is used to read the Secure Drive and to block access to the USB Ports. It can be released by same patterned **Universal Lock Key 3**.



Example of Secure Drive and Secure Connector



Example applied to front panel of PC



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**.



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

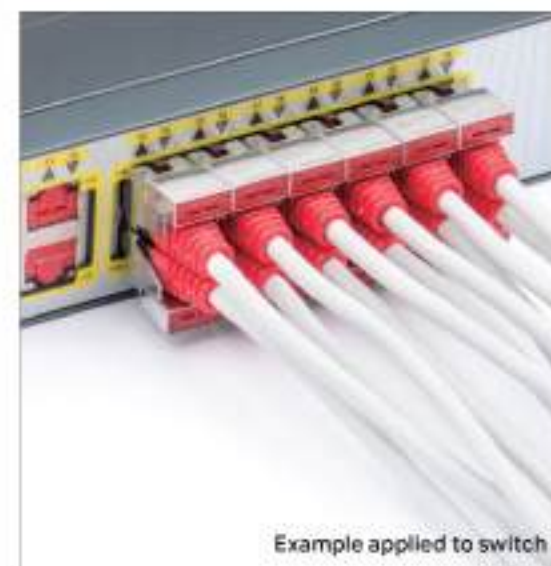
Tethers multiple LAN cables(connectors) to Ethernet RJ45 ports to prevent unauthorized access. Applied as a module unit without unplugging the cables and lock it with two USB Port Lock. It can be released by same patterned **Universal Lock Key 3**.
(available in 4, 8, or 12 port configuration)



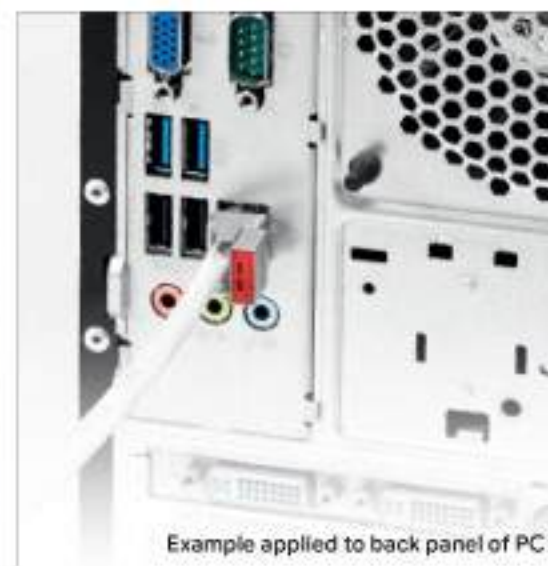
Example applied to back panel of PC



Example applied to switch



Example applied to switch



Example applied to back panel of PC



Example applied to hub



Example applied to switch

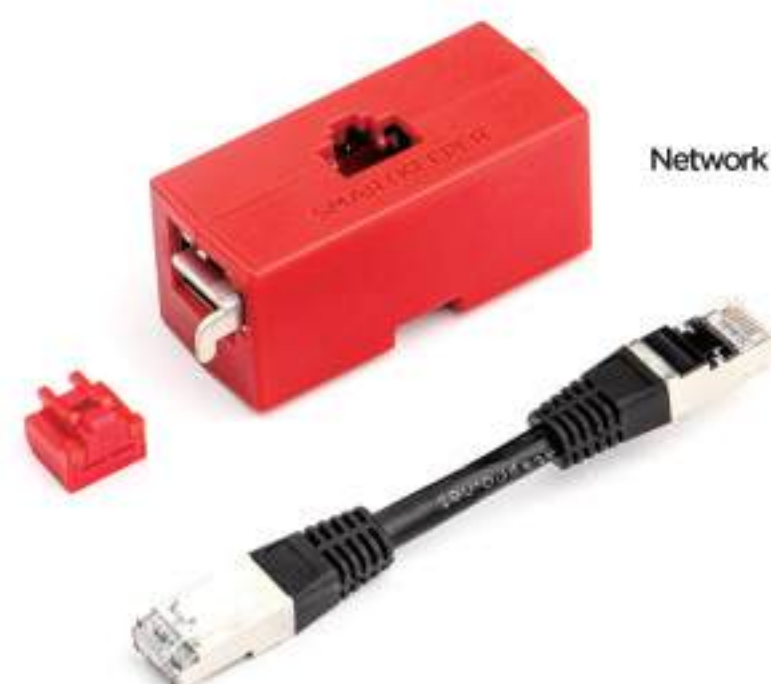
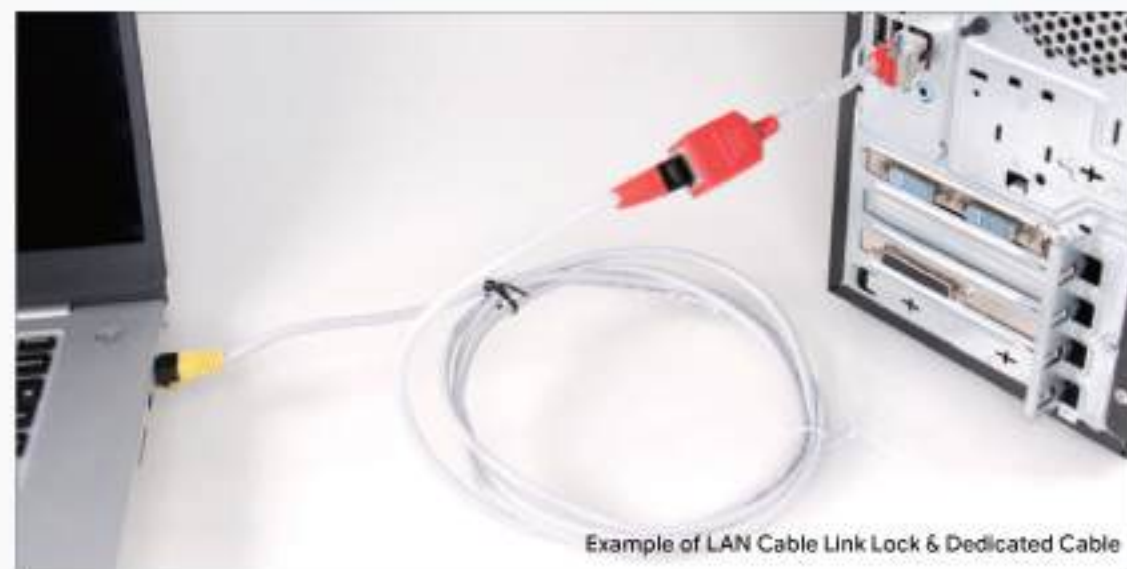


LAN Cable Link Lock & Dedicated Cable

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.

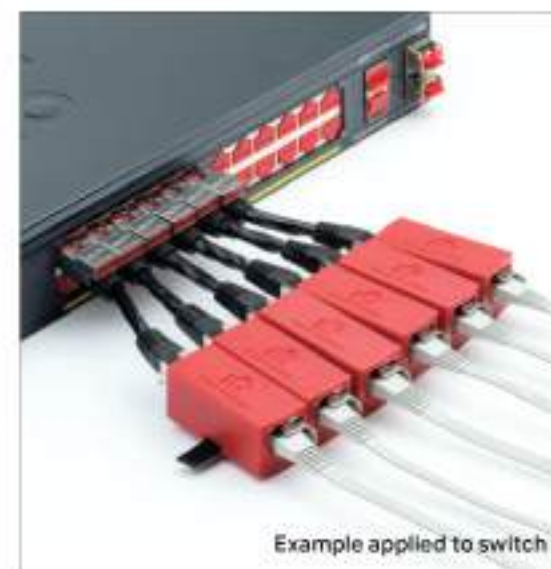
Dedicated Cable is used. Physically distinguish between different networks. Use LAN Cable Link Lock with LAN Cable Lock Plus to create a secure network environment.



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**.



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**.





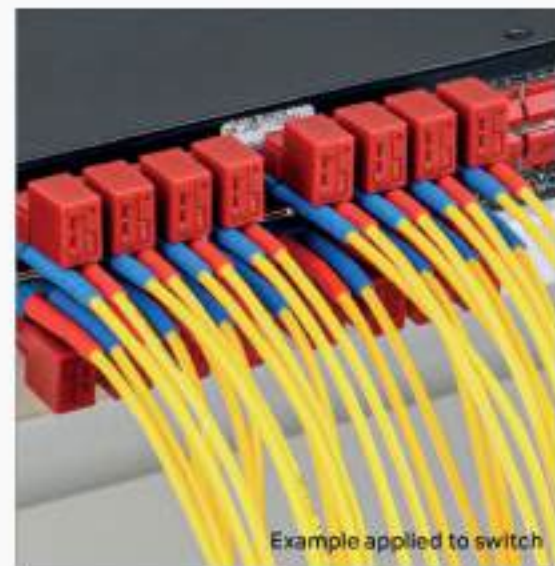
Fiber Optic LC Cable Lock Dual·Single

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



QSFP Port Lock

CSK-QFO10

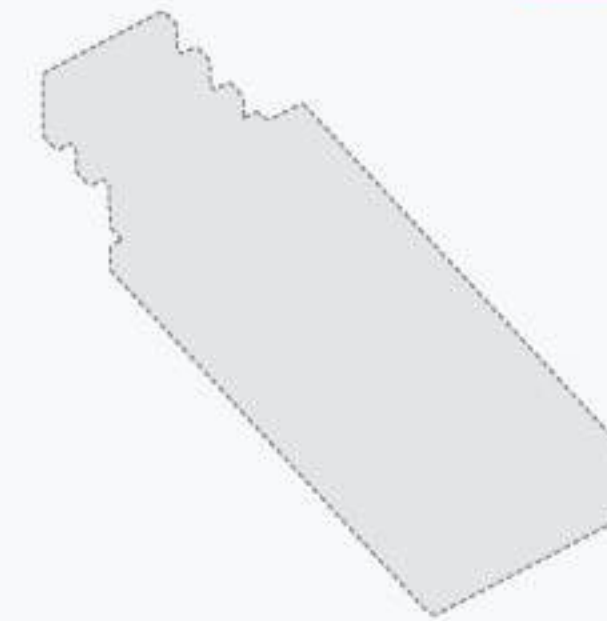
18.5 X 8.3 X 40.0mm | 8.3g

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**.



Example applied to switch

+ Coming Soon



OSFP Port Lock

A physical security product inserted into an unused OSFP (Octal Small Form Factor Pluggable) port combined with a QSFP lock to prevent unauthorized access.



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**.



Before application to laptop

After application to laptop



CF Card Slot
(CompactFlash)

CF Port Lock

CSK-CFD10
42.5 X 4.6 X 21.0mm | 3.0g

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



Before applied to front panel of PC

After applied to front panel of PC

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 12.1 X 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 applied to back panel of PC

After applied to back panel of PC



E-SATA Port Lock

CSK-ETD10
15.3 X 3.9 X 6.9mm | 0.3g

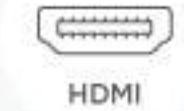
Blocks unused E-SATA (eSATAp) port to prevent unauthorized access. It can be released by same patterned **Universal Lock Key 3**.



ODD Lock

CSK-OL10
28.2 X 3.9 X 26.6mm | 4.1g

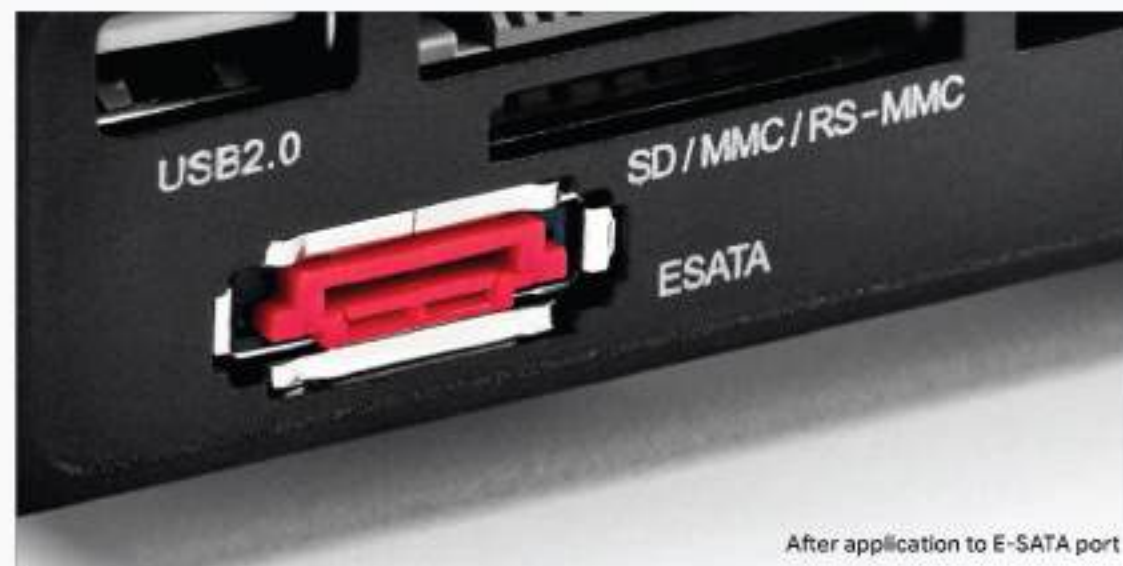
Restricts the use of optical (DVD/CD-ROM) drives. It can be released by same patterned **Universal Lock Key 3**.



HDMI Port Lock

CSK-HMD10
13.9 X 4.5 X 7.0mm | 0.3g

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



After application to E-SATA port



Locking pin of ODD Lock



Example applied to optical drive



Before application to laptop



After application to laptop



DisplayPort Lock

CSK-DLD10
16.0 X 4.7 X 8.6mm | 0.3g

Blocks unused DP (DisplayPort) to prevent unauthorized access. It can be released by same patterned **Universal Lock Key 3**.



Lock by
Network Port Lock Plus



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**.



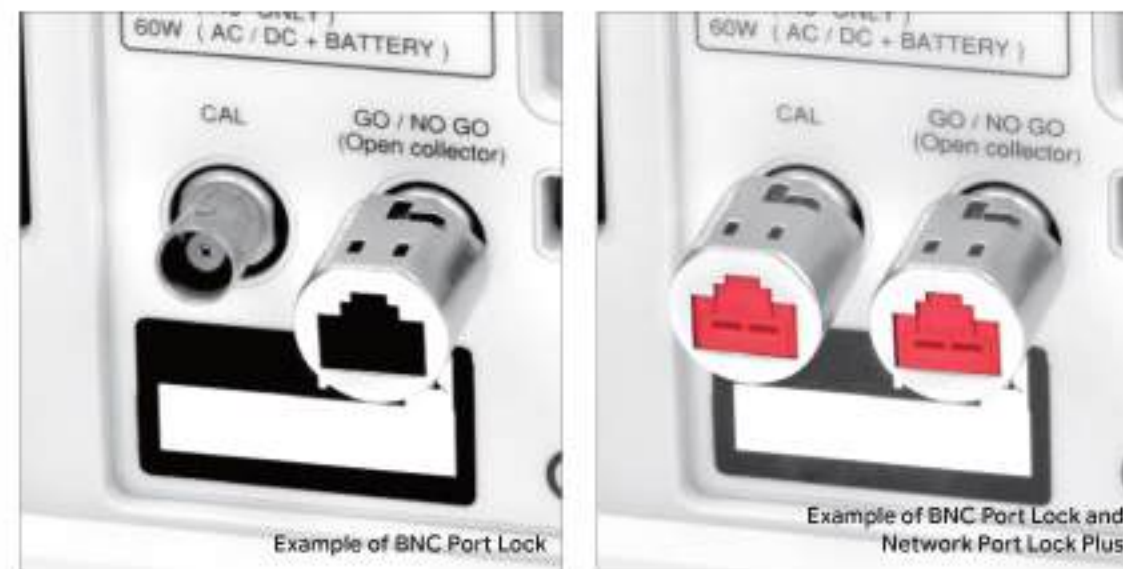
Lock by
Network Port Lock Plus



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**.



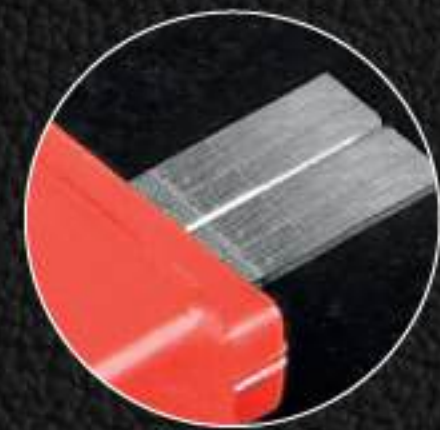
Lock Key Mini

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



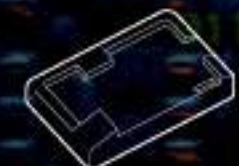
Closed Mode (Not used)



Lock Key Mini Products



Mini USB-B Port Lock



Micro USB-B Port Lock



USB-C Port Lock



Mini HDMI Port Lock



Mini Display Port Lock



Micro SD Port Lock



RJ11 Port Lock



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**.



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**.



USB-C Port Lock

CSK-CLO4
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**.



Before application to Mini USB-B port



After application to Mini USB-B port



Example applied to Micro USB-B port



Example applied to Micro USB-B port



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



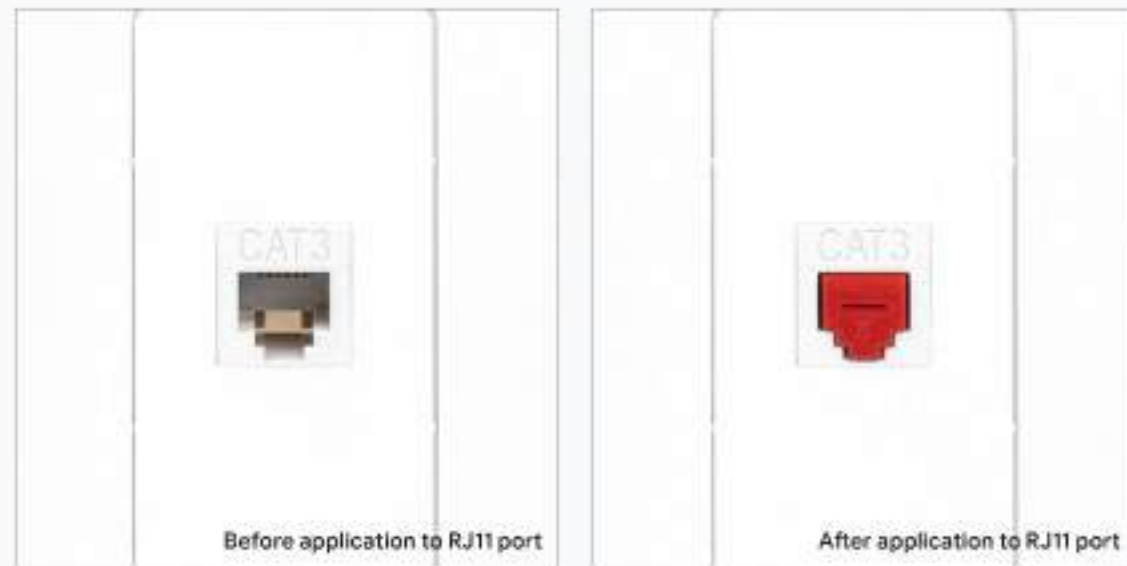
RJ11 Port Lock

CSK-MNL04

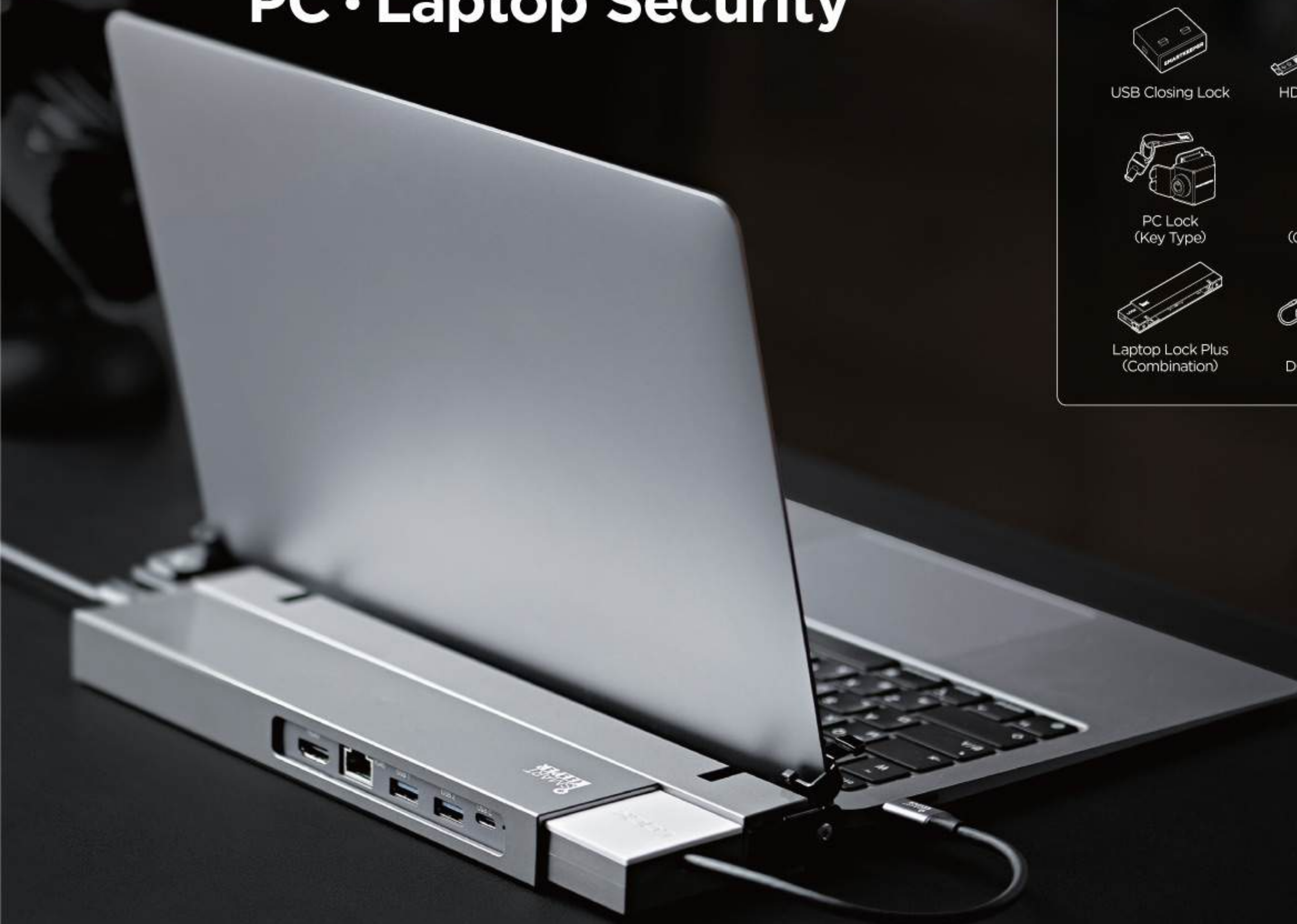
9.4 X 10.5 X 10.9mm | 0.5g

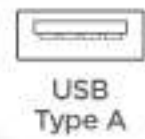


Blocks unused RJ11 port to prevent unauthorized device access. It can be released by **Lock Key Mini**.



No Key Required / PC • Laptop Security

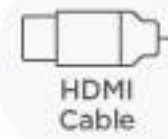




USB Closing Lock

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 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

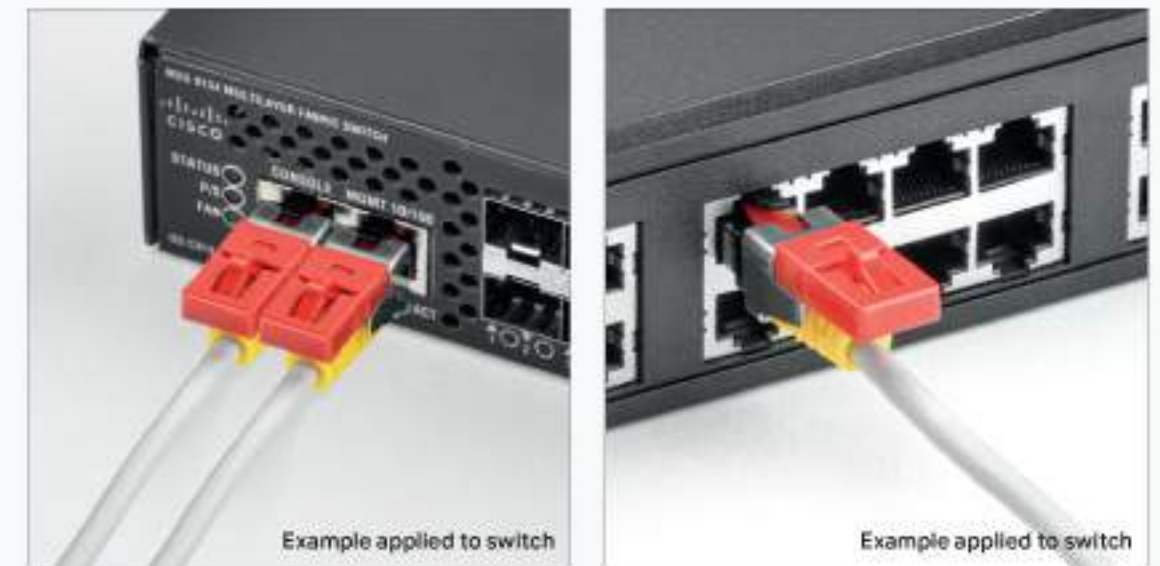
Locks the HDMI cable in broadcast, on-set, and PC environments to prevent vibration or accidental dislodgement.



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.





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.



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).



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).





Laptop Lock Plus (Combination)

LLD02
273.0 X 76.0 X 24.0 mm | 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.



Example applied to laptop



Example applied to laptop



Laptop DOCK & LOCK

LLD02P
273.0 X 76.0 X 24.0 mm | 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.



Example applied to laptop



Example applied to laptop

Network Switch

- Network Port Lock Plus
- LAN Cable Lock Plus
- LAN Cable Link Lock
- Network Module Lock 4P / 8P / 12P
- Secure LAN Cable Coupler
- Dedicated Cable
- LAN Cable Grip
- Fiber Optic Module Lock Plus
- Fiber Optic LC Cable Lock Dual / Single



Compatible with networking equipment including network switch, modem, router, etc.

Network Access Server

- USB Port Lock
- USB-B Port Lock
- USB-C Port Lock
- USB Closing Lock
- E-SATA Port Lock
- Network Port Lock Plus
- Secure LAN Cable Coupler



Desktop_Front



- USB Port Lock
- USB-C Port Lock
- USB Closing Lock
- Link Lock
- C Link Lock
- Link Lock Hub
- Link On 3
- Secure Memory
- Secure Connector
- SD Port Lock
- Micro SD Port Lock
- CF Port Lock
- ODD Lock

Laptop

- USB Closing Lock
- USB Port Lock
- USB-C Port Lock
- Link Lock
- Link On 3
- C Link Lock
- Network Port Lock Plus
- Secure Drive
- Secure Connector
- SD Port Lock
- Micro SD Port Lock
- CF Port Lock
- HDMI Port Lock
- Mini HDMI Port Lock
- DisplayPort Lock
- Mini DisplayPort Lock
- LAN Cable Lock Plus
- Laptop Lock (Combination)



Compatible with MacBook

Control numerous devices with one key Universal Lock Key 3



Imaging equipment and camera peripherals

- USB Port Lock
- USB-B Port Lock
- USB-C Port Lock
- Mini USB-B Port Lock
- Micro USB-B Port Lock
- HDMI Cable Grip
- HDMI Port Lock
- Mini HDMI Port Lock
- DisplayPort Lock
- Mini DisplayPort Lock
- SD Port Lock
- Micro SD Port Lock



Applicable to all mirrorless & DSLR cameras, 4K video cams, and lighting equipment

Smart Phone

- USB-C Port Lock
- Not compatible with Lightning Port



External Hard Drive

- USB Port Lock
- Mini USB-B Port Lock
- Micro USB-B Port Lock
- USB-C Port Lock



Desktop_Rear



- USB Port Lock
- USB-B Port Lock
- USB-C Port Lock
- USB Closing Lock
- Link Lock
- C Link Lock
- Link Lock Hub
- Network Port Lock Plus
- Serial Port Lock
- DVI Port Lock
- Parallel Port Lock
- E-SATA Port Lock
- HDMI Port Lock
- Mini HDMI Port Lock
- DisplayPort Lock
- PC Lock (Key Type)
- PC Lock (Combination)



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We do security better

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