



We do security better.

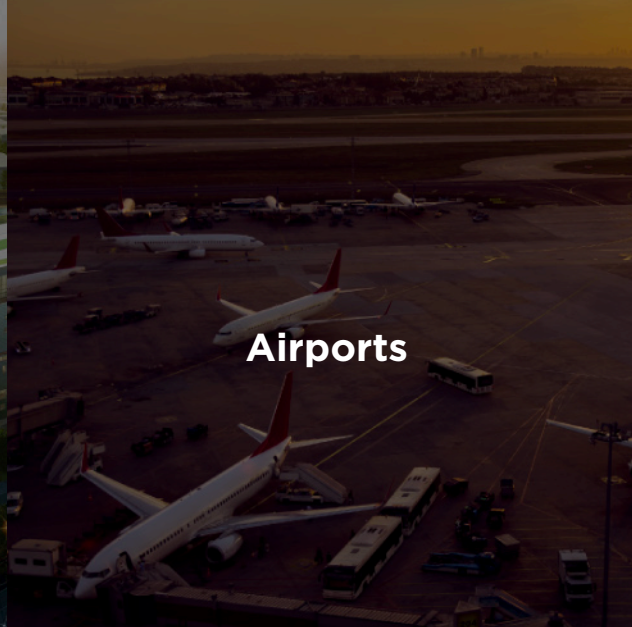
**SMARTKEEPER PRO**

**Smart Light Solutions GmbH**

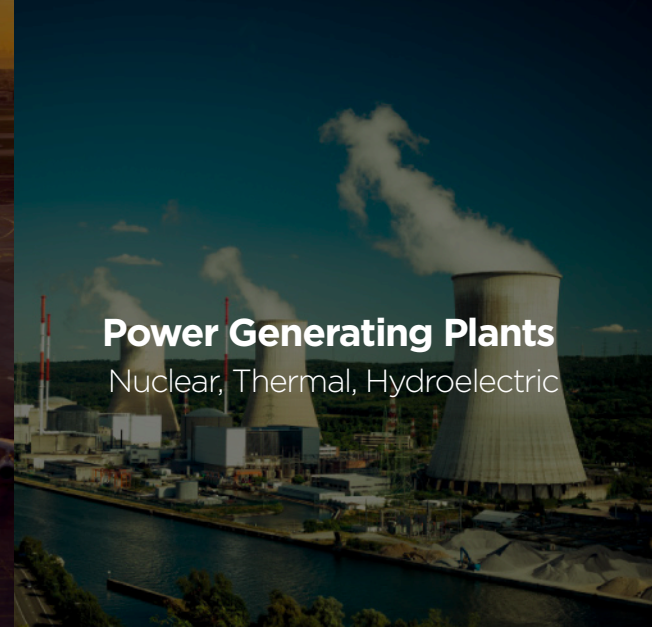
[www.smartkeeper-shop.eu](http://www.smartkeeper-shop.eu)  
[www.smartkeeper.uk](http://www.smartkeeper.uk)



**Government**



**Airports**



**Power Generating Plants**  
Nuclear, Thermal, Hydroelectric

**PRO's Choice**



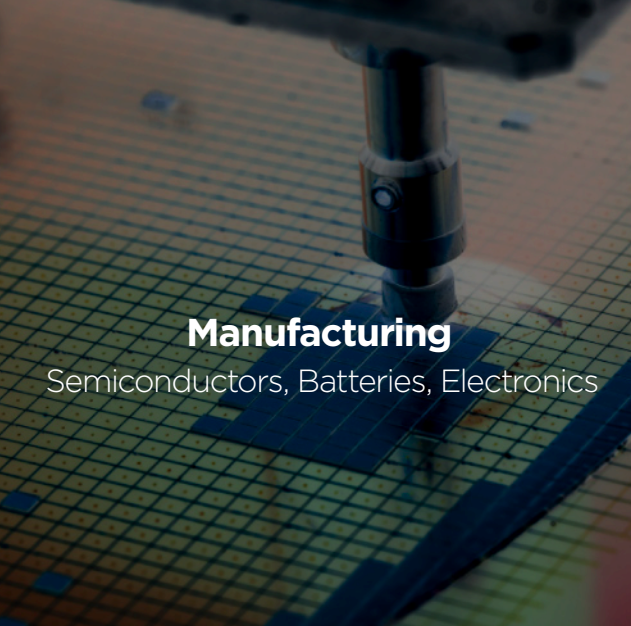
**Public Institutions**



**Infrastructure**  
Railroad, Highway, Subway



**Energy**  
Oil, Gas, Refinery



## Manufacturing

Semiconductors, Batteries, Electronics



## Financial Institutions



## Military

# PRO's Choice



## Biomedical Industries



## Information Technology



## National Defense

# Different level of network 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 .**



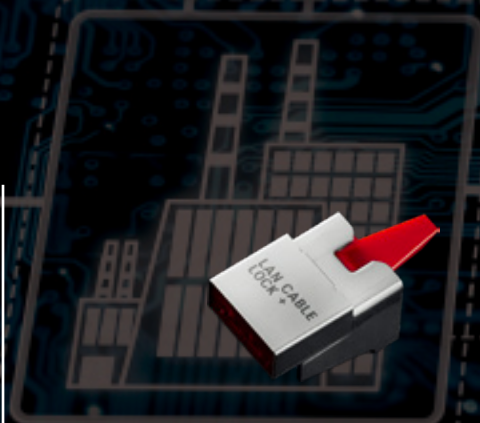
An open **USB Port** is a security risk that requires immediate attention



Use **Link Lock** to allow only the devices that are authorized by network administrator



Securing open **Net-  
work Ports** is an impor-  
tant yet basic security  
matter



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

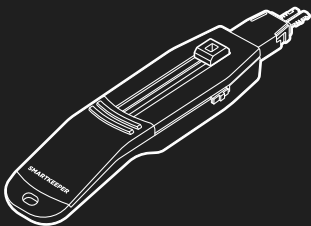
 **SMART  
KEEPER Pro**

Let's get started with  
**SMARTKEEPER PRO!**

# Product Line-Up

**SMARTKEEPER PRO** is a complete line-up of physical security products for input/output 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.

## Universal Lock Key



### USB Security

- USB Port Lock
- USB-B Port Lock
- USB-C Port Lock Plus
- USB Closing Lock
- Link On
- Link Lock
- Link Lock Hub
- Secure Drive
- Secure Connector

### Network Security

- Network Port Lock Plus
- LAN Cable Lock Plus
- LAN Cable Grip
- LAN Cable Link Lock
- Dedicated Cable
- QSFP Port Lock
- Fiber Optic Module Lock Plus
- Network Module Lock 4P•8P•12P

### Other Products

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

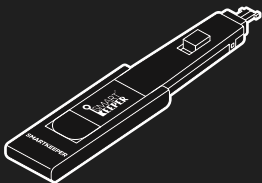
### Anti-Theft for Desktop

- PC Lock (Key)
- PC Lock (Combination)

### Anti-Theft for Laptop

- Laptop Lock (Combination)

## Lock Key Mini



### USB Security

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

### Network Security

- RJ11 Port Lock

### Other Products

- Mini DisplayPort Lock

Go to Website  
[www.smartkeeper.uk/#/pro](http://www.smartkeeper.uk/#/pro)



# ADVANTAGE OF SMARTKEEPER



**SMARTKEEPER**  
PROFESSIONAL

## Physical Data Security

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 & Compatibility

Easy to use, Expandable with lock keys

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



## Independence of Application

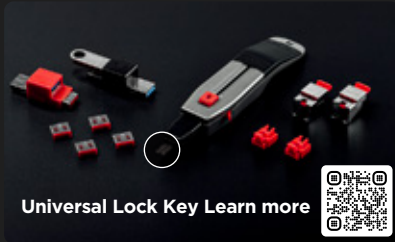
No impact on the system

- 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

# Universal Lock Key

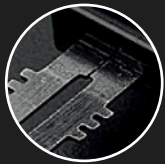
CSK-U11/20

29.2 X 16.4 X 155.0mm | 65.0g



## Advantages

- **Compatibility** : Single key can unlock 40 different PRO products
- **Variety of pattern** : Hundreds of patterns available
- **Pattern management** : Non-distribution product (B2B only)  
End-user verification required for every order  
Check serial number of the key



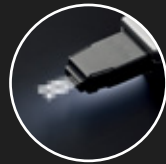
Thin but strong  
**Key Blades**



**Two buttons** for  
different workspace



**Anti-static pad**  
high-precision environment



Use in the dark  
**LED Light**



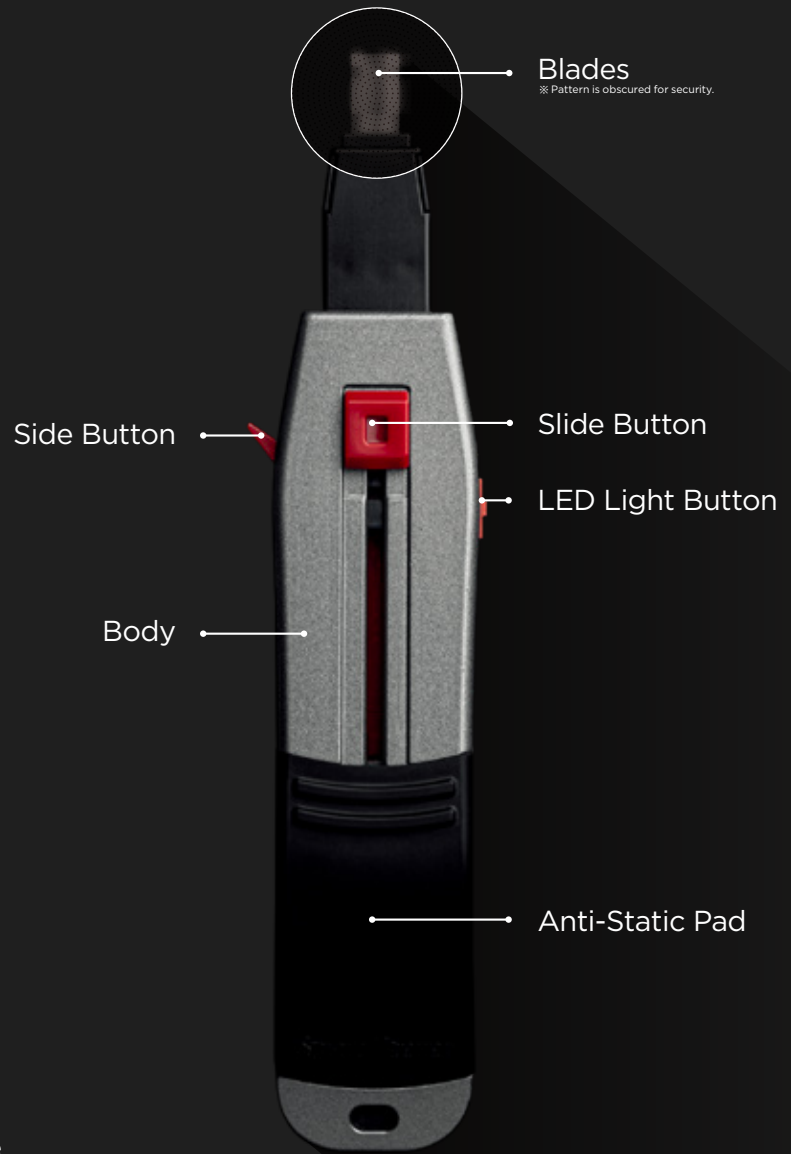
Insert Mode



Retrieval Mode



Closed Mode  
(Not used)





# Universal Lock Key Products

## USB Security



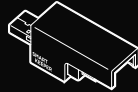
USB Port Lock



USB-B Port Lock



USB-C Port Lock Plus



Link Lock



Link Lock Hub



Link On



Secure Drive

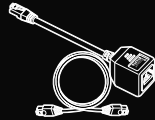


Secure Connector

## Network Security



Network Port Lock Plus



LAN Cable Link Lock + Dedicated Cable



LAN Cable Lock Plus



Network Module Lock 4P



Network Module Lock 8P



Network Module Lock 12P



Fiber Optic Module Lock Plus



QSFP Port Lock

## Other Port Security



Serial Port Lock



DVI Port Lock



Parallel Port Lock



SD Port Lock



CF Port Lock



HDMI Port Lock



E-SATA Port Lock



DisplayPort Lock



ODD Lock



BNC Port Lock



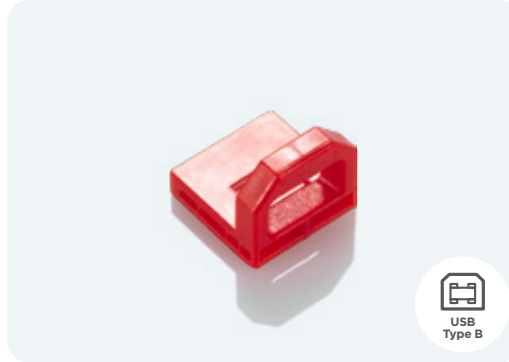
RF Module Lock (Type N/M)



### 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.



### 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.



### 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. (**⚡ Thunderbolt is not compatible**)

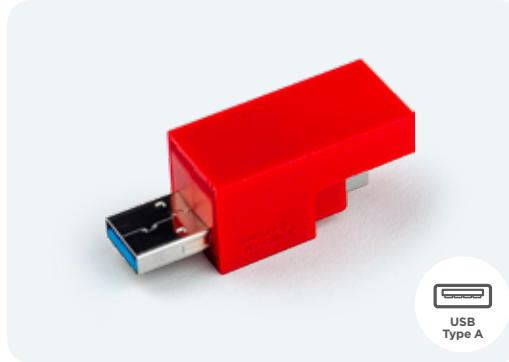




### Link On

CSK-OM10  
17.0 X 9.0 X 36.7mm | 8.0g | 32GB

Lockable USB flash drive that can be secured to a USB(USB Type A) port to prevent unauthorized removal. Standard capacity 32GB. Unlock with same patterned Universal Lock Key.



### Link Lock

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

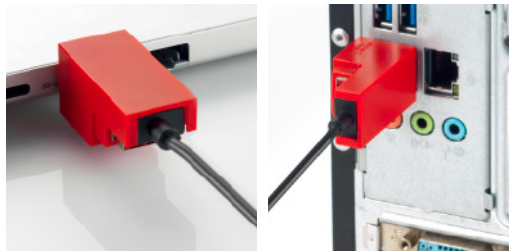
Tethers USB device(e.g. keyboard or mouse) to a USB (USB Type A) port to prevent unauthorized removal. Unlock with same patterned Universal Lock Key.



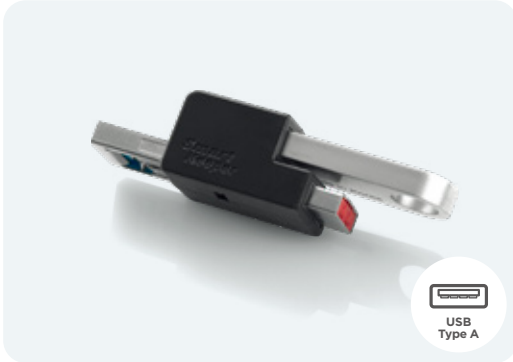
### Link Lock Hub

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. Unlock with same patterned Universal Lock Key.



## Compatible with Universal Lock Key



### Secure Drive & Secure Connector

CSK-SM01 | CSK-SC10

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

Secure Connector | 16.2 X 16.0 X 40.9mm | 10.0g

Secure Drive is a 32 GB USB Flash drive that is recognized only through a Secure Connector of the same pattern. Secure Connector is used to read the Secure Drive and to block access to the USB Port. It can be released by same patterned Universal Lock Key.



## USB Physical Security



### USB Closing Lock

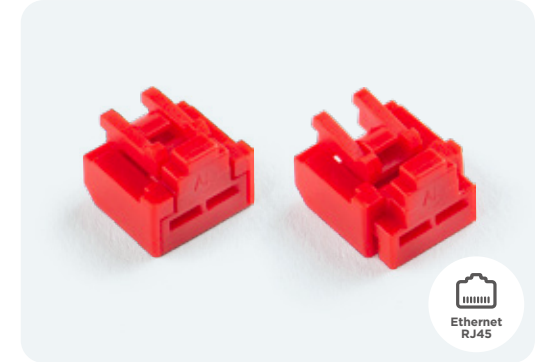
CSK-PC01

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.



## Network Physical Security



### 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.





### 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.



### LAN Cable Grip

NCG01  
13.7 X 13.2 X 40.0mm | 4.5g

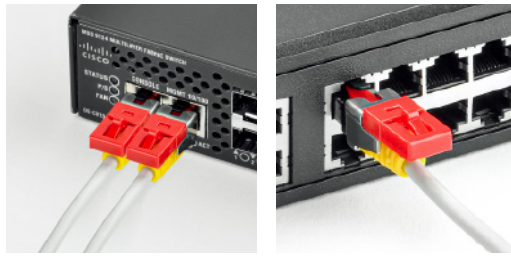
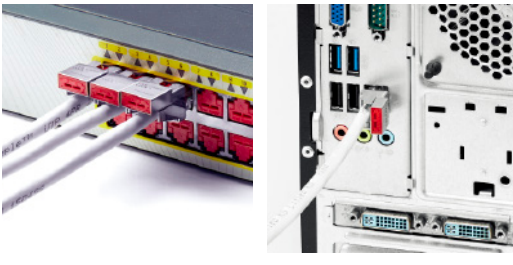
Prevents accidental separation of LAN cable (Ethernet RJ45) from the network device. Can be released without a key.



### 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.





### 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. Unlock with the same patterned lock key.

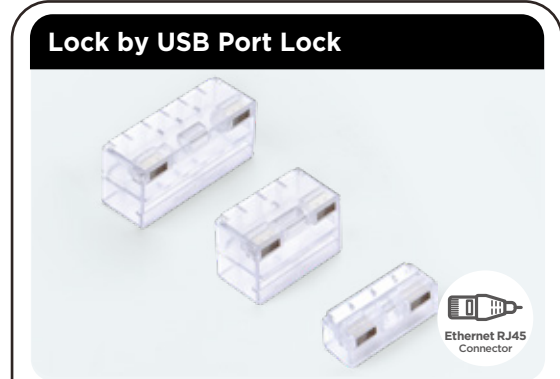


### Fiber Optic Module Lock Plus

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 unlocked with same patterned lock key.



### 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

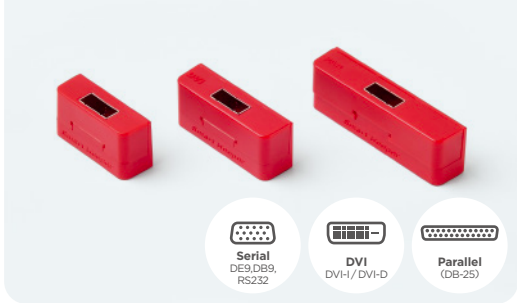
8P | 59.7 X 39.0 X 30.0mm | 26.0g

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. Unlock with same patterned lock key. (available in 4, 8, or 12 port configuration)



Lock by USB Port Lock



**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. Unlock with the same patterned lock key.



**SD Port Lock**

CSK-SDD10

24.0 X 2.3 X 21.5mm | 1.5g

Blocks unused SD (Secure Digital) card port to prevent the use of unauthorized SD memory card. Unlock with the same patterned lock key.



**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. Unlock with the same patterned lock key.

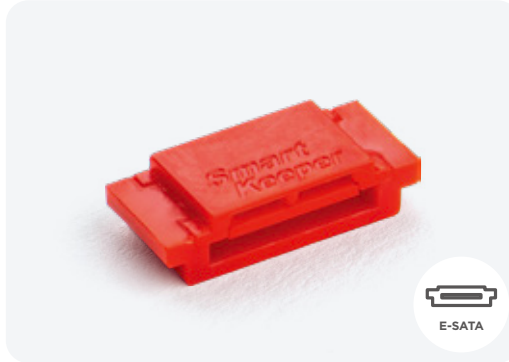




### HDMI Port Lock

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

Blocks unused HDMI(High-Definition Multimedia Interface) port to prevent unauthorized access. Unlock with the same patterned lock key.



### 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. Unlock with the same patterned lock key.



### DisplayPort Lock

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

Blocks unused DP (DisplayPort) to prevent unauthorized access. Unlock with the same patterned lock key.



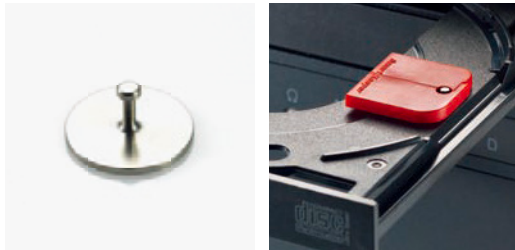




### ODD Lock

CSK-OL10  
87.7 X 39.0 X 30.0mm | 4.1g

Restricts the use of optical(DVD/CD-ROM) drives.Unlock with the same patterned lock key.



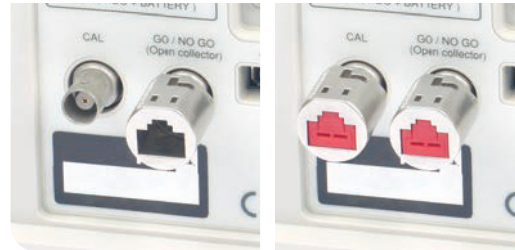
### Lock by Network Port Lock Plus



### 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, broadcasting equipment, and communications equipment from being arbitrarily used.Unlock with the same patterned lock key.



### 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. Unlock with the same patterned lock key.





### 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.



### 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. Combination lock.



### PC Lock (Key)

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.



# Lock Key Mini

CSK-U04

19.2 X 7.4 X 92.61mm | 8.5g



## Advantages

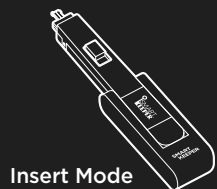
Lock Key Mini can be used to unlock USB-C Port Lock, Mini USB-B Port Lock, Micro USB-B Port Lock, RJ11 Port Lock and Mini DisplayPort Lock.y



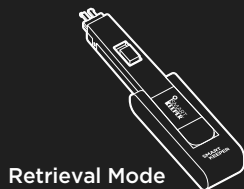
Thin but strong  
**Key Blades**  
※ Pattern is obscured for security.



Flip the cover cap over to protect the **key blades**



Insert Mode



Retrieval Mode



Closed Mode  
(Not used)



## Lock Key Mini Products



USB-C Port Lock



Mini USB-B Port Lock



Micro USB-B Port Lock



RJ11 Port Lock



Mini DisplayPort Lock

## Compatible with Lock Key Mini



### 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.



### 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.



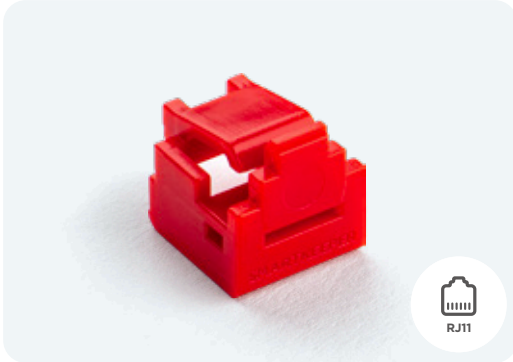
### Micro USB-B Port Lock

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.





### 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.



### 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.



# Best combination for USB ports

When blocking unused ports is not enough  
Tether USB cables to your device



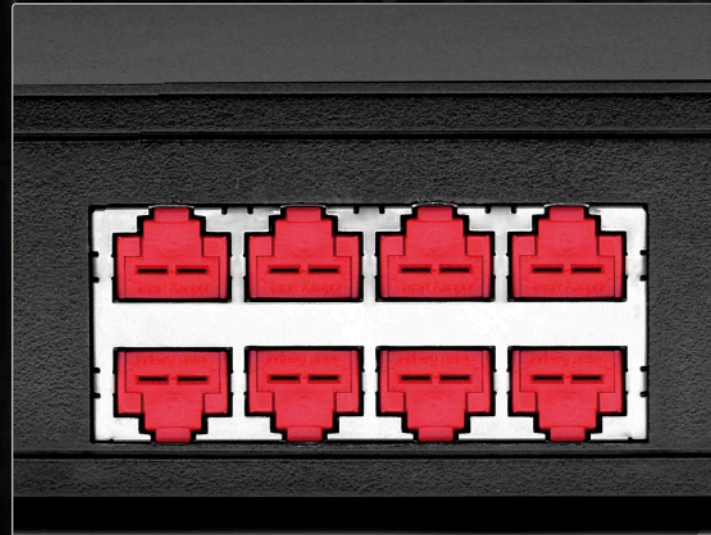
# For the Pros

Professionals do not overlook physical vulnerabilities



**LAN Cable Lock Plus**

CSK-NC11



**Network Port Lock Plus**

CSK-NL11

## Network Switch

- Network Port Lock Plus
- Network Module Lock 4P / 8P / 12P
- LAN Cable Grip
- LAN Cable Lock Plus
- LAN Cable Link Lock
- Dedicated Cable
- Fiber Optic Module Lock Plus
- QSFP Port Lock



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
- Network Port Lock
- Network Port Lock Plus
- E-SATA Port Lock



## Desktop\_Front

- USB Port Lock
- USB-C Port Lock
- USB Closing Lock
- Link Lock
- Link On
- Secure Drive & Connector
- SD Port Lock
- CF Port Lock
- ODD Lock



## Laptop

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



Compatible with Mac Book

Control numerous devices with a Single Key  
**Universal Lock Key**



## External Hard Drive

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



## Smart Phone

- USB-C Port Lock
  - Mini USB-B Port Lock
  - Micro USB-B Port Lock
- Not compatible with Lightning Port**



## Digital Camera

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

Compatible with Mirrorless & DSLR Cameras



## Desktop\_Rear

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





# SMARTKEEPER WORLDWIDE



Deployed to more than 3,000 major sites world-wide.  
Physical cybersecurity product, **SMARTKEEPER**

# A new paradigm in cybersecurity **SMARTKEEPER PRO**

## What is Physical Cybersecurity?

Physically prevent data breach or cyber attack by  
blocking input/output ports of PCs & network devices.  
**SMARTKEEPER PRO** can be your physical firewall.

### **Smart Light Solutions GmbH**

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[www.smartkeeper.uk](http://www.smartkeeper.uk) | [www.smartkeeper-shop.eu](http://www.smartkeeper-shop.eu)