

Physical Cyber Security Product **SMARTKEEPER**



| SMARTKEEPER SERIES

Firewalls on your company's networks and systems are now physically configurable!
Keep your valuable information safe with multi-layer security along with your existing software security.
Simple but effective economical solution!



I ADVANTAGE OF SMARTKEEPER

Smart Keeper is the first in the market to offer a full lineup of physical security solutions to global security environments. Smart Keeper is a delay mechanism that is applied to more than 2,000 major sites such as national infrastructure, public institutions, global conglomerates, finance institutions, power generation facilities and military sectors.

(As of 2019)



Due Diligence

Delay Mechanism and 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

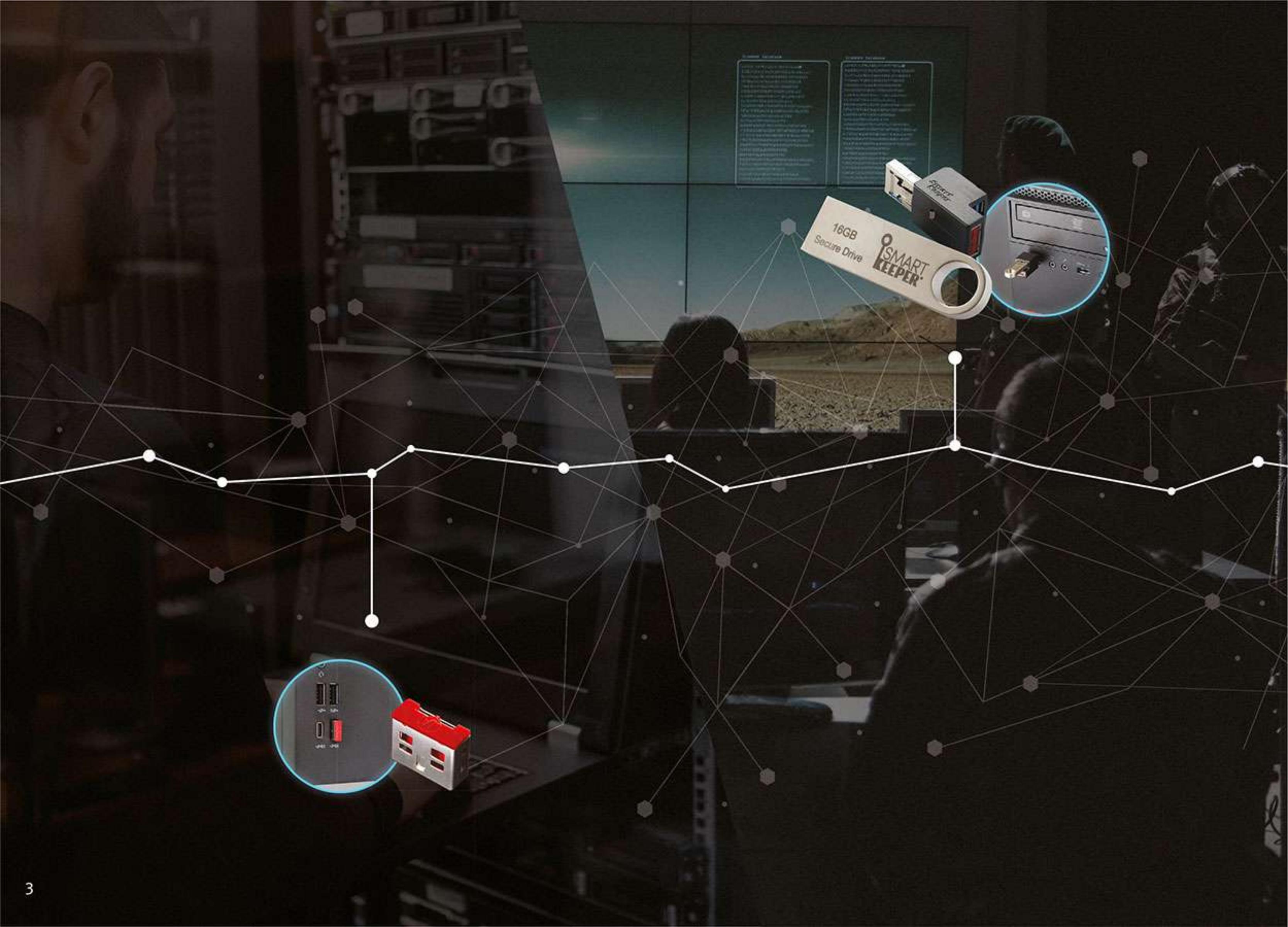
- Applicable without any kind of software or operating system
- Applicable to systems where software security is not possible, such as backbone, nuclear power generation, or production system

REFERENCES

More than 2000 references over the world prove the effectiveness of the SMARTKEEPER.



- Over 150 sites for nuclear, hydroelectric generating station, thermal power plants
- 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 facility
- Over 130 sites of governments organizations in U.S.A / Germany / Singapore and more
- National Research Institutes and Major National Institutions
- Over 120 sites of financial company including major banks, insurance & stock companies
- 58 educational institutions including elementary, secondary, high school and university
- Over 36 medical institutions, including hospitals and medical device manufacturers
- 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.



System Security

System Security





USB Physical Security



USB Port Lock (CSK-UL10)



USB Port Lock

CSK-UL10

Width 12.3 × Length 10 × Height 4.6mm |
Weight 1.0g



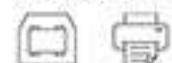
Blocks unused USB ports to prevent unauthorized access. The first line of defense in data breach and introduction of virus through USB port. Insulation test passed and certified. (shortage prevention)



USB Port Lock Type B

CSK-BLD10

Width 8.4 × Length 8.5 × Height 7.2mm |
Weight 0.2g



Blocks unused USB Type B ports to prevent unauthorized access.



USB Port Lock Type C

CSK-CUL10

Width 17.1 × Length 23.5 × Height 6.8mm |
Weight 3.5g



Blocks unused USB type C ports to prevent unauthorized access. The first line of defense in data breach and introduction of virus through USB port. This product doesn't support Mac thunderbolt USB C. Insulation test passed and certified. (shortage prevention)





Link Lock

CSK-LK11

Width × Length × Height mm | Weight

Link Lock : 16.2 × 40.9 × 16 | 10g

Cover : 18.6 × 39.7 × 20 | 3.1g



Tethers USB device to USB port to prevent unauthorized removal. Insulation test passed and certified. (shortage prevention)



Link Lock Hub

CSK-LKH10

Width 145 × Length 95 × Height 37.4mm |

Weight 111.0g



Works conjunction with Link Lock. It allows use of multiple devices and prevents unauthorized removal of attached devices on Link Lock Hub.



Link On

CSK-OM10

Width 17 × Length 36.7 × Height 9mm |

Weight 8.0g



The USB memory which can be physically locked to the USB port to prevent memory loss when you are away from your desk. The standard capacity is 32GB. (can order a larger capacity if needed.)





USB Closing Lock

CSK-PC01

Width 12.4 × Length 10 × Height 4.6 mm |
Weight 1.0g



Blocks unused USB ports to prevent unauthorized access permanently. **(Can not be removed)** The first line of defense in data breach and introduction of virus through USB port.



Secure Drive

CSK-SM01

Width 12.2 × Length 45.6 × Height 4.7 mm |
Weight 7.0g



Secure Drive is a USB flash memory that is readable only through same patterned Secure Connector. It is mainly used in companies where information protection is important. Secure Drive is not recognized by USB port without the Secure Connector.



Secure Connector

CSK-SC10

Width 16.2 × Length 40.9 × Height 16 mm |
Weight 10.0g



Secure connector only reads Secure drive. Also due to the feature of Secure Connector which is lockable into USB port physically, security officer can specify the location of employee's work. Use Secure Drive and/or Secure Connector to prevent data leak and unauthorized Port use.



Network Physical Security

| LAN Cable Lock Plus (CSK-NC11)



| Network Module Lock (CSK-NM10) - 8Port



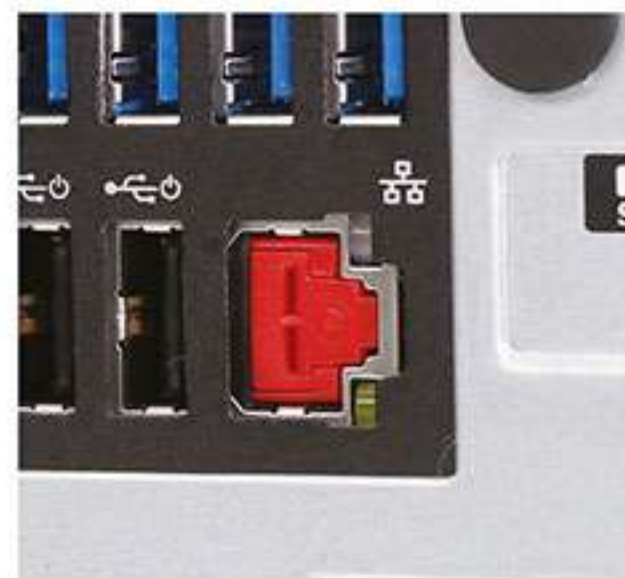
Network Port Lock Plus

CSK-NL11

Width 11.7 × Length 11.5 × Height 9.6 mm |
Weight 0.7g



Blocks unused Ethernet (RJ-45) port to prevent unauthorized access. The first line of defense in data breach and introduction of virus through RJ45 port.



LAN Cable Lock Plus

CSK-NC11

Width 13.7 × Length 16 × Height 11.3 mm |
Weight 4.9g



Tethers LAN cable to ethernet (RJ-45) port to prevent unauthorized access.



Network Module Lock

CSK-NM10

Width × Length × Height mm | Weight
4 Port : 57.6 × 20 × 20.7 | 13.6g
8 Port : 59.7 × 30 × 39 | 25g
12 Port : 87.7 × 30 × 39 | 34g



Tethers multiple LAN cables to ethernet (RJ-45) port to prevent unauthorized access. Applied as a module unit without unplugging the LAN cables. (Available in 4, 8 or 12 port configuration)





Fiber Optic Module Lock

CSK-FO10

Width 13.4 × Length 13.1 × Height 11.7 mm |
Weight 2.1g



Blocks unused Fiber optic port (SFP module) to prevent unauthorized access. The first security solution of intrusion through SFP port.



QSFP Port Lock

CSK-QFO10

Width 18.5 × Length 40 × Height 8.3 mm |
Weight 8.3g



Blocks unused QSFP(Quad Small Form-factor Pluggable) port to prevent unauthorized access. The first security solution of intrusion through QSFP port.



LAN Cable Link Lock & Dedicated Cable

CSK-NIP01 / CSK-NIP-CA01

Width × Length × Height mm | Weight
Lan Cable : 22 × 120 × 22 | 24.0g
Cable : 2m



LAN Cable Link Lock is used to fundamentally prevent the mixing of the network. The network communication is possible only when the same patterned network cable (dedicated cable) between LAN Cable Link Lock is connected. Therefore, if you use LAN Cable Link Lock with LAN Cable Lock Plus together, you can construct a secure network environment physically by restricting in both ways : Insert(access) or Removal.





Anti-Theft for Computer

- PC Lock (CSK-SL01 / CSK-SLD01)
- Laptop Lock (Combination Key type) (CSK-LLD01)
- Laptop Lock Type C (CSK-CLL10)

Other Port Physical Security

- Serial Port Lock (CSK-SPL10)
- DVI Port Lock (CSK-DL10)
- Parallel Port Lock (CSK-PL10)



PC Lock (Key type)

CSK-SL01

Width × Length × Height mm | Weight

Lock : 50 × 56 × 29.4 | 123g

Wire : 3mm × 2m

Key : 10g



Anti-theft product that prevents theft the PC or opening side panel of Computer. Separate key is required for unlock.



PC Lock (Combination Key type)

CSK-SLD01

Width × Length × Height mm | Weight

Lock : 19.3 × 54.3 × 50.1 | 91g

Wire : 3mm × 2m



Anti-theft product that prevents theft the PC or opening side panel of Computer. No key is required due to combination key.



Laptop Lock (Combination Key type)

CSK-LLD01

Width × Length × Height mm | Weight

Lock : 16 × 54.5 × 22.7 | 62g

Wire : 3mm × 2m



Laptop lock device using USB port (Type A) to prevent theft and removable of laptops.





Laptop Lock Type C

CSK-CLL10

Width × Length × Height mm | Weight

Lock : 19.5 × 23.5 × 8.8 | 8.8g

Wire : 3mm × 2m



Anti-theft device using USB port (Type C) for slim laptops without lock slots. This product doesn't support Mac thunderbolt USB C.



Serial, DVI, Parallel Port Lock

CSK-SPL10 / CSK-DL10 / CSK-PL10

Width × Length × Height mm | Weight

Serial : 34.2 × 12 × 17.6 | 7.0g

DVI : 41.6 × 17.6 × 12.1 | 7.5g

Parallel : 56.2 × 17.7 × 12.1 | 9.3g



Physical cyber security device that blocks serial ports (RS232 ports, 9-pin COM ports) and RGB (VGA) ports / DVI ports (DVI-I / DVI-D) / parallel ports (DB-25) on systems such as PCs or servers.



ODD Lock

CSK-OL10

Width 87.7 × Length 30 × Height 3.9 mm |

Weight 2.6g



A physical cyber security device to restrict the use of optical (DVD/CD-ROM) drives.





HDMI Port Lock

CSK-HMD10

Width 13.9 × Length 7 × Height 4.5 mm |
Weight 0.3g



Blocks unused HDMI port to prevent unauthorized access.



SD Port Lock

CSK-SDD10

Width 24 × Length 21.5 × Height 2.3 mm |
Weight 1.5g



Blocks unused SD port to restrict use of unauthorized SD memory card.



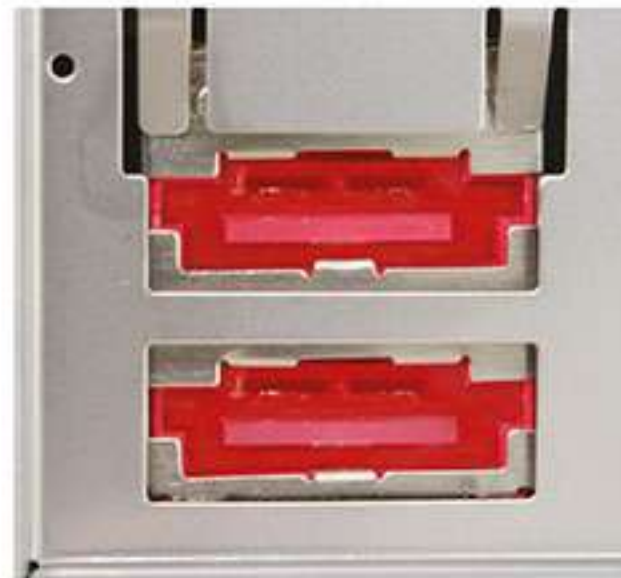
E-SATA Port Lock

CSK-ETD10

Width 15.3 × Length 6.9 × Height 3.9 mm |
Weight 0.3g



Blocks unused e-SATA port to prevent unauthorized access.





CF Port Lock

CSK-CFD10

Width 42.5 × Length 21 × Height 4.6 mm |
Weight 3.0g



Blocks unused CF port to prevent unauthorized access.



Display Port Lock

CSK-DLD10

Width 16 × Length 86 × Height 4.7 mm |
Weight 0.3g



Blocks unused Display port to prevent unauthorized access.





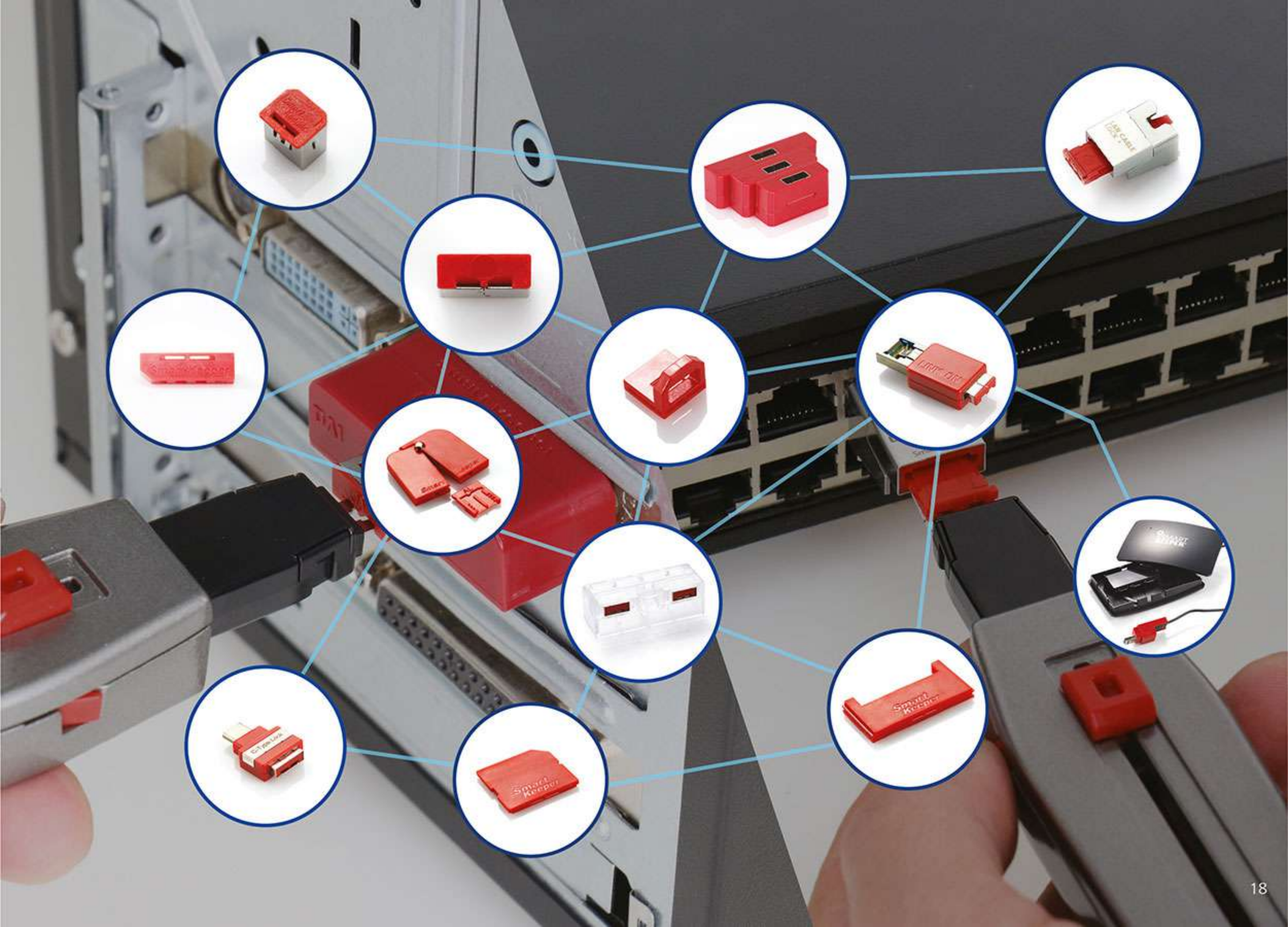
Universal Lock Key

CSK-U11 / CSK-U20

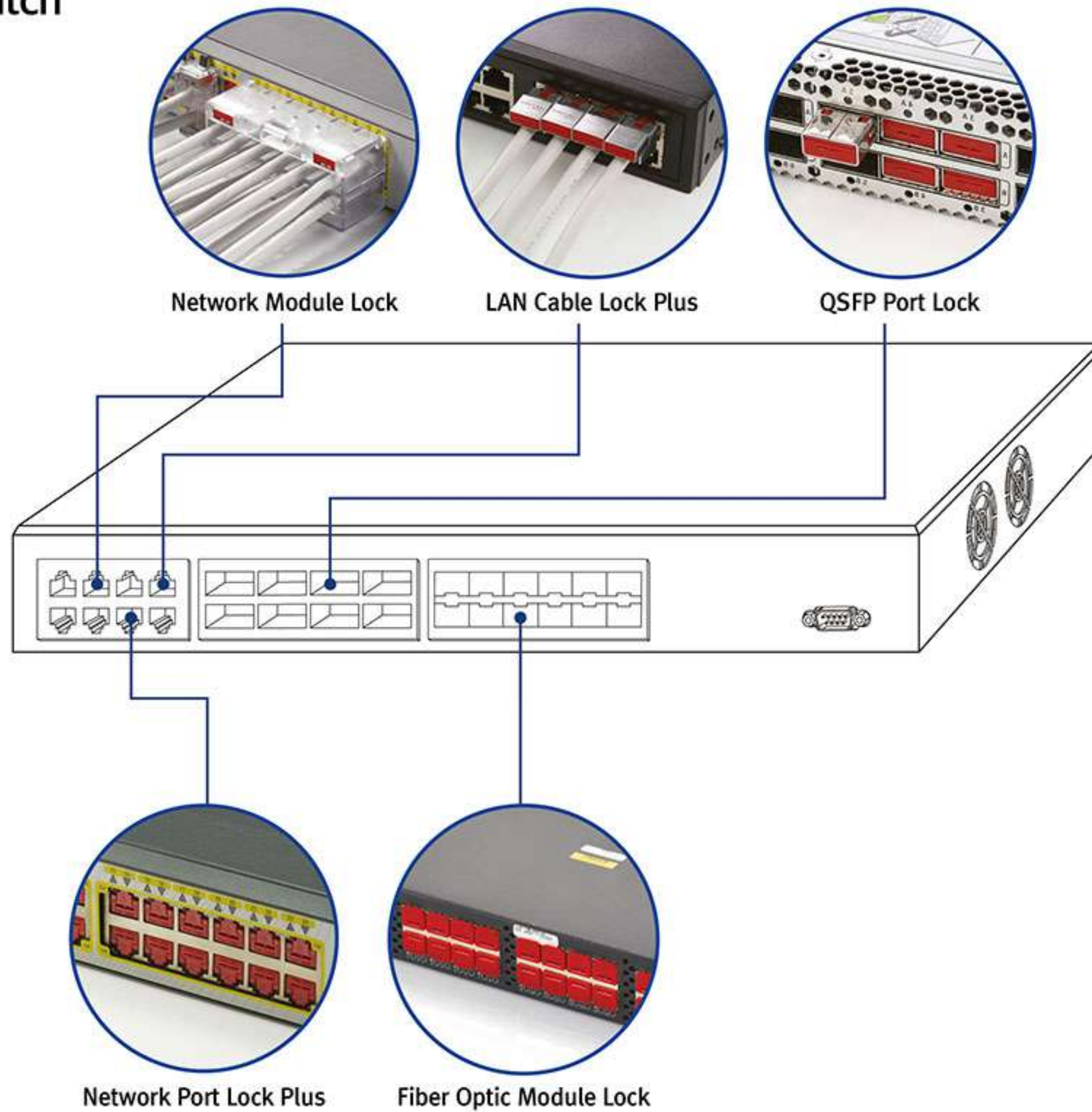
Width 29.2 × Length 155 × Height 16.4mm |
Weight 65g

Advantages

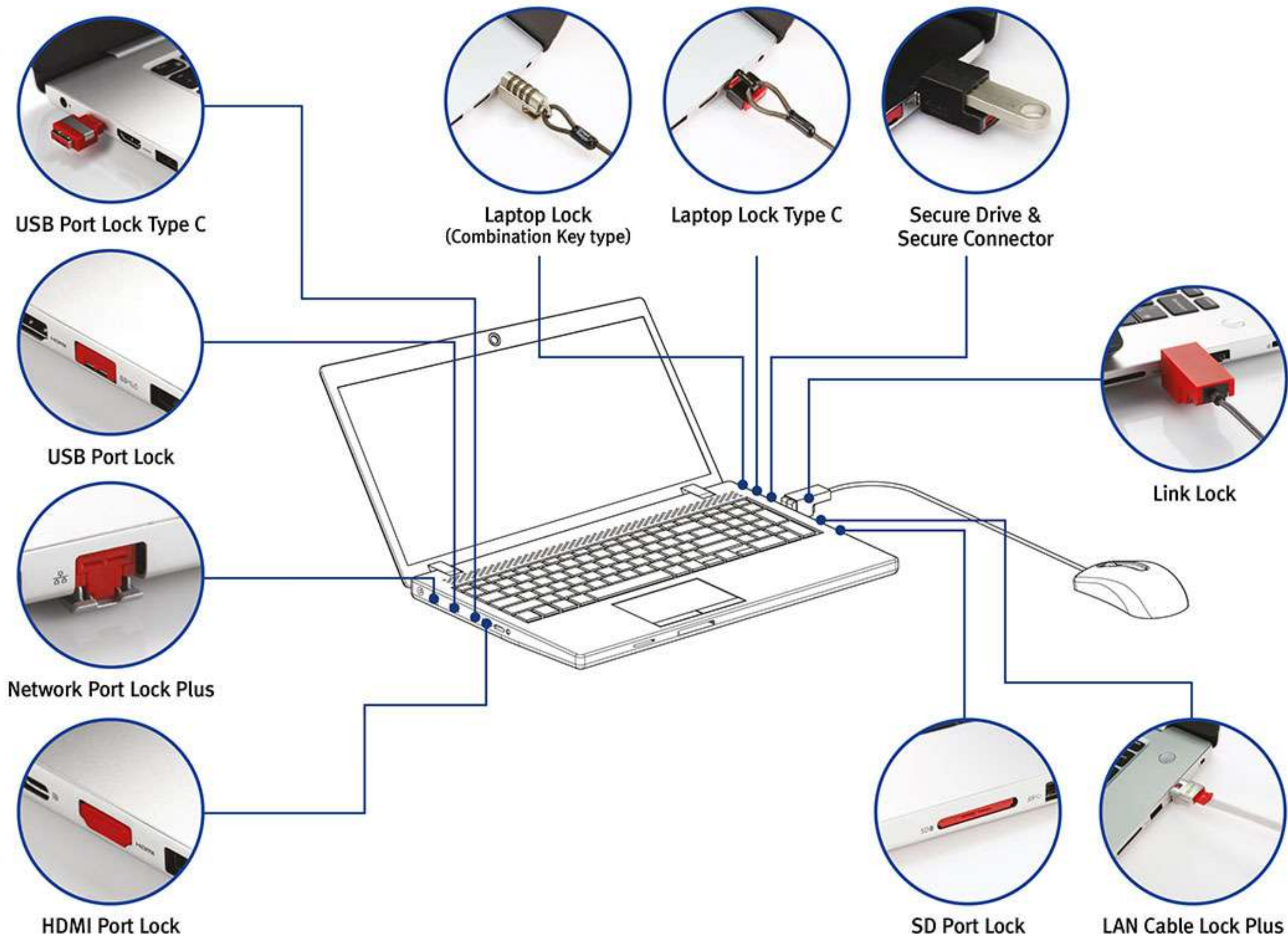
- I. Low Management Costs
(Unlock 30 different Smart Keeper products with one lock key)
- II. Pattern management
 - Key management by serial number
 - Non-Distribution to public (B2B only)
 - End User Verification Process
- III. Various key patterns available



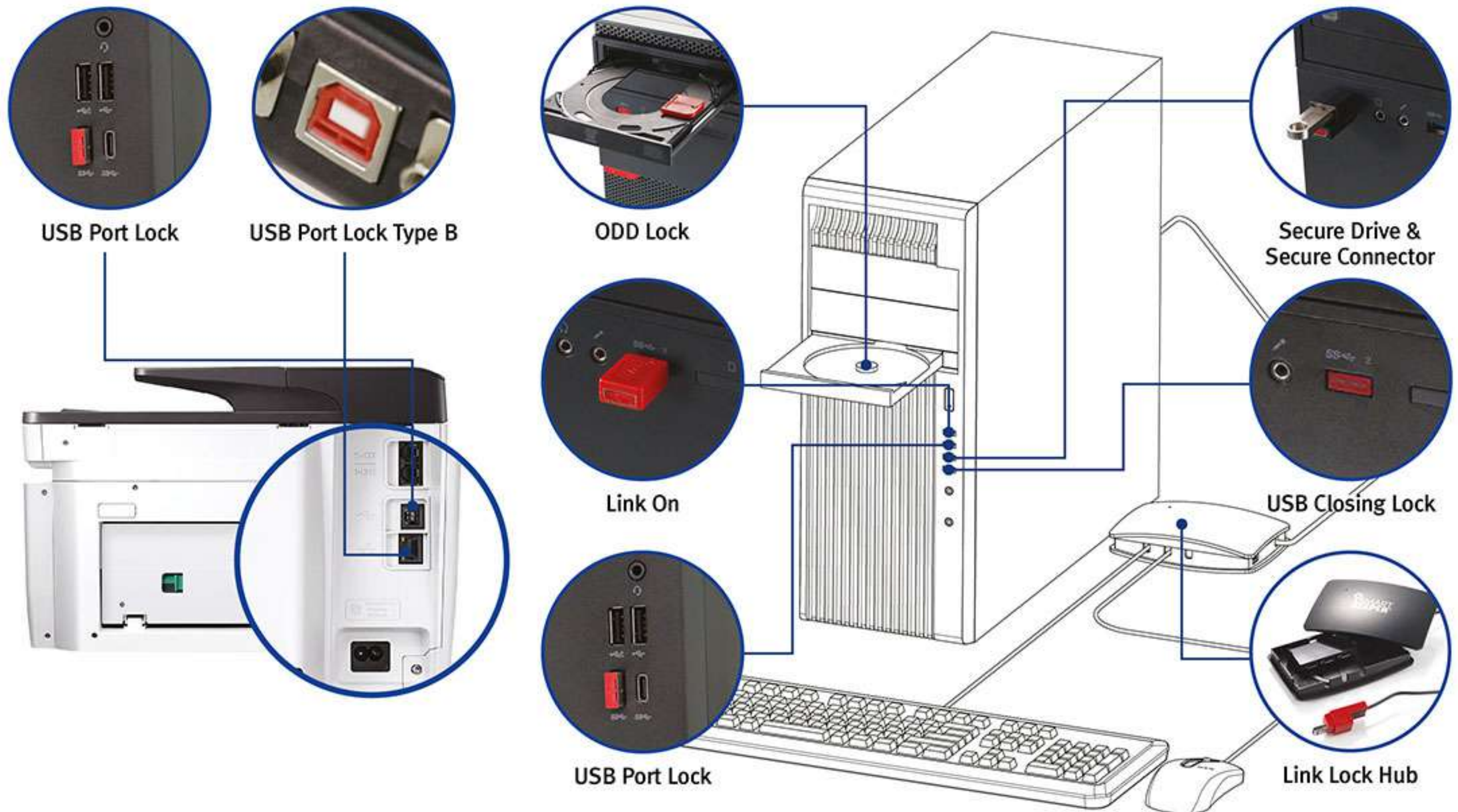
Network Switch



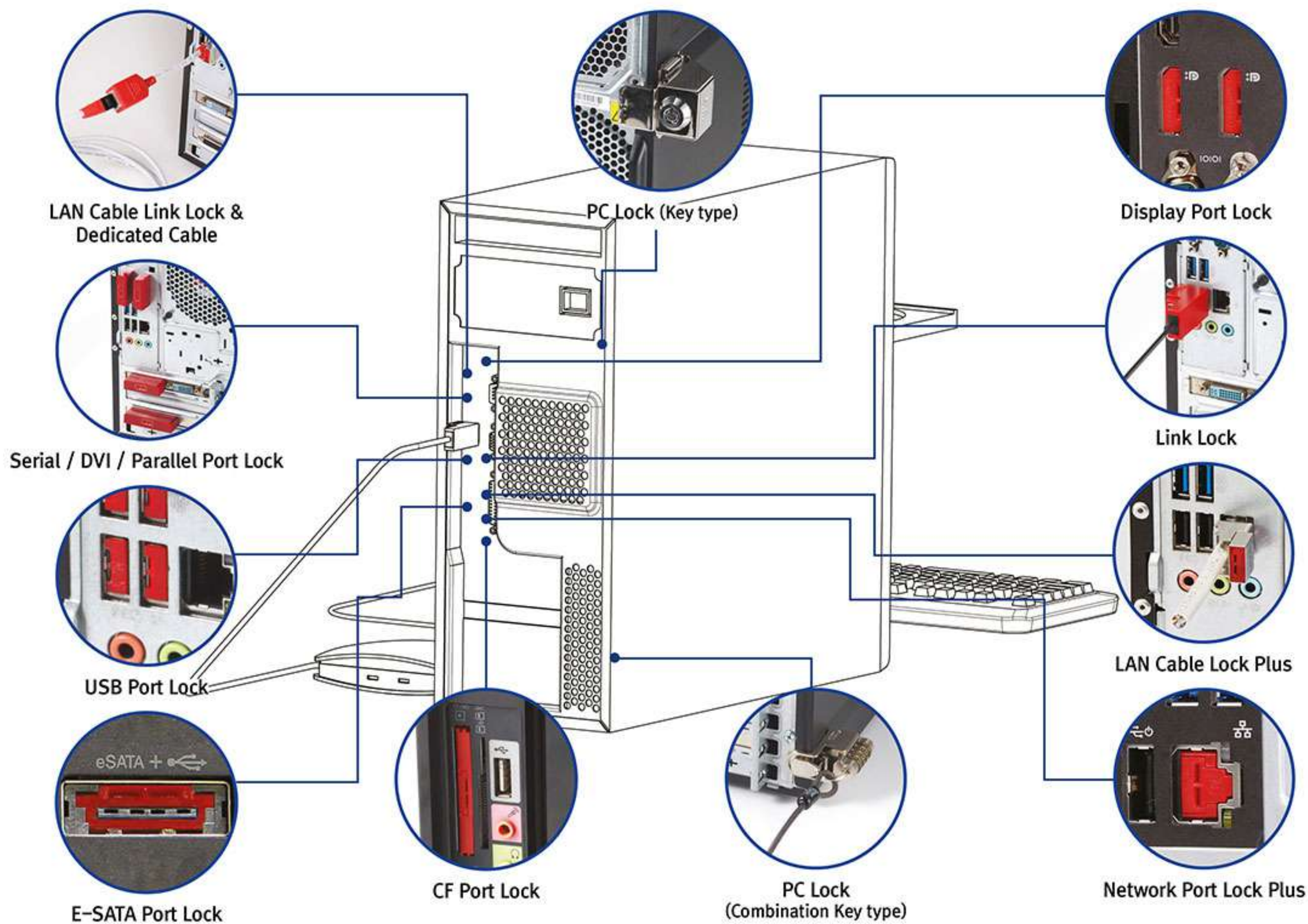
Laptop (Notebook)



| Printer / Scanner / Desktop (Front)



Desktop (Rear Panel)





Smart Light Solutions GmbH

Linsenkamp 8b, 22175, Hamburg, Germany
EMAIL smartkeeper@smartlightsolutions.de

The logo for Smartkeeper, featuring a stylized white key icon on a dark blue background. The word "SMART" is in a white sans-serif font, and "KEEPER" is in a larger, bold white sans-serif font. A registered trademark symbol (®) is to the right of "KEEPER". Below the logo is the website address "www.smartkeeper.de" in a white sans-serif font.