

o Protect
our Everything

ARTKEEPER Proposal - Physical Security Products

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Introducing our brand 'Smart Keeper'	See the details of our Pro products which is for B2B customers	No.1 Physical Cyber Security. Meet us in international markets.	What about SmartKeeper today? Here's where we stand.	To build a better security environment, Please join us.

SMARTKEEPER

"Faithful to the basics, System Physical Security Products."

In the hyperconnected era, system physical security is becoming an increasingly important issue from a cybersecurity perspective. In particular, ransomware and viruses planted on USB or smartphones of internal/external employees are easily spread to all systems and PCs on the corporate network just by connecting to the internal network.

For a long time, security measures at the end of the computing environment have been vaguely neglected, and COMXI has long considered the primary physical security area of a multi-layered security structure.

Interest and feedback on smartkeepers at home and abroad disproved the need for system physical security products that were absent and became an opportunity to form a market.

COMXI has established various lineups with bold technology investments, and is recognized for its potential through 50 patent certifications at home and abroad and securing various references in the domestic and foreign markets.

The smartkeeper, the epitome of system physical security, is growing beyond the Korean market to 19 countries, including the U.S., Europe, Asia, and the Middle East, and will continue to strive to contribute to a safer computing security environment and provide useful physical security solutions.

COMXI Co., Ltd. CEO

Changhoon AHN



Concept of Smartkeepers Physical Security



Universal Key

- Physical Single Sign On effect, there is only one management point and one risk point.
- You can control most physical security products with one key.
- Various release key patterns exist for high security.



Concept 01 Delay Mechanism

- It serves as the primary terminal security material.
- Security completeness can be improved when working with S/W.

Concept 02 Physical Products

- Installation is very easy and simple, and there are no maintenance costs.
- You can create an independent, intuitive physical security environment.

Concept 03 Scalability

- Basic I/O ports such as USB, network, etc
- Industrial ports such as optical ports, ODDs, BNCs, RFs, etc
- It can be applied to any environment, such as PCs, laptops, or other system environments.

Systems and regulations - related to physical security



ISMS-P (Regulation on Korea)
Information Security Management System & Personal Information

It is a system that proves that a series of measures and activities for information protection and personal information protection meet the certification standards.



CSAP (Regulation on Korea)
Cloud Security Assurance Program

It is a system that evaluates and certifies compliance with information protection standards for services provided by cloud computing service providers. (CSP)

Various check items specify 'Removing and blocking unnecessary ports'.



ISO/IEC 27001
International Organization for Standardization

It is an international standard for information protection management systems.

It evaluates 133 items in 11 areas, including physical security, and from 2010, administrative agencies are required to obtain ISO 27001 certification.



GDPR
General Data Protection Regulation

It is the EU's personal information protection law, which has been in effect since May 2018, and is implemented to expand the rights to personal information and strengthen the security responsibility of companies.

2022 Total annual cost of security incidents

Source : Proofpoint



43% of all data leaks are caused by insiders

Source : Grand Theft Data - Data Exfiltration Study : Actors, Tactics, and Detection

USB Products

Introducing USB product lines required in all environments, including PCs, servers, and so on.

<Another USB Products>

Product Name	Function	Key type
USB-C Port Lock	Blocking empty USB-C Ports	CSK-U04 (Mini Key)
Mini USB-B Port Lock	Blocking empty Mini USB-B Ports	
Micro USB-B Port Lock	Blocking empty Micro USB-B Ports	
USB-C Port Lock Plus	Blocking empty USB-C Ports	CSK-U30 (Universal Lock Key)
USB-B Port Lock	Blocking empty USB-B Ports	
Link On	USB memory, not removed arbitrarily	
Link Lock Hub	USB Hub, a link lock optional device	
USB Closing Lock	Permanent closure of USB-A ports	X

※ See page 12 about information of release key

Top 3 Product Line-up

USB Port Lock(CSK-UL10)



A physical security device that inserts and seals the port lock directly into the standard USB port

Link Lock(CSK-LK11)



A device that physically blocks USB ports and controls only allowed USB devices to be used

Secure Drive & Secure Connector (CSK-SM01 / CSK-SC10)



Secure USB Memory & Gender that works physically without using S/W. It only recognized by dedicated gender and dedicated USB memory

USB Products

USB-C Port Lock(CSK-CL04)



Mini USB-B Port Lock(CSK-UL04)



Micro USB-B Port Lock(CSK-MUL04)



USB-C Port Lock Plus(CSK-CUL10)



USB-B Port Lock(CSK-BLD10)



Link On(CSK-OM10)



Link Lock Hub(CSK-LKH10)



USB Closing Lock(CSK-PC01)



※ Permanent Close(cannot release)

Network Products

Introducing the completely secure network product line for RJ45, LAN cable, and optical module security.

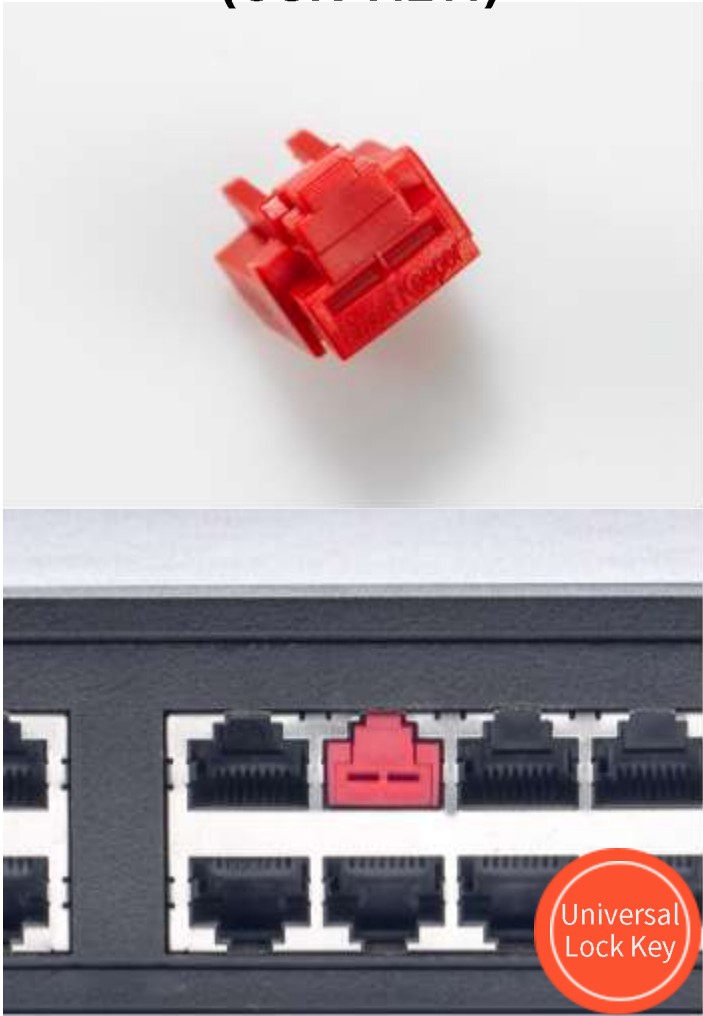
<Another Network Products>

Product Name	Function	Key type
Lan Cable Link-Lock	Physically changes the network to block LAN cable access	X
Lan Cable Grip	Prevents LAN cables from being dislodged from vibrations and shocks	
Fiber Optic PortLock LC / SC	Blocking the cables of GBIC	CSK-N01
Secure Lan Cable Coupler	Extend the length of a LAN cable and also have security features to prevent cable disconnection	CSK-U30 (Universal Key)
Fiber Optic Cable Lock	Preventing arbitrary removal of Fiber optic cables	
QSFP Port Lock	Blocking QSFP Port	
Network Module Lock	Lock the LAN cable on a module basis	

※ See page 12 about information of release key

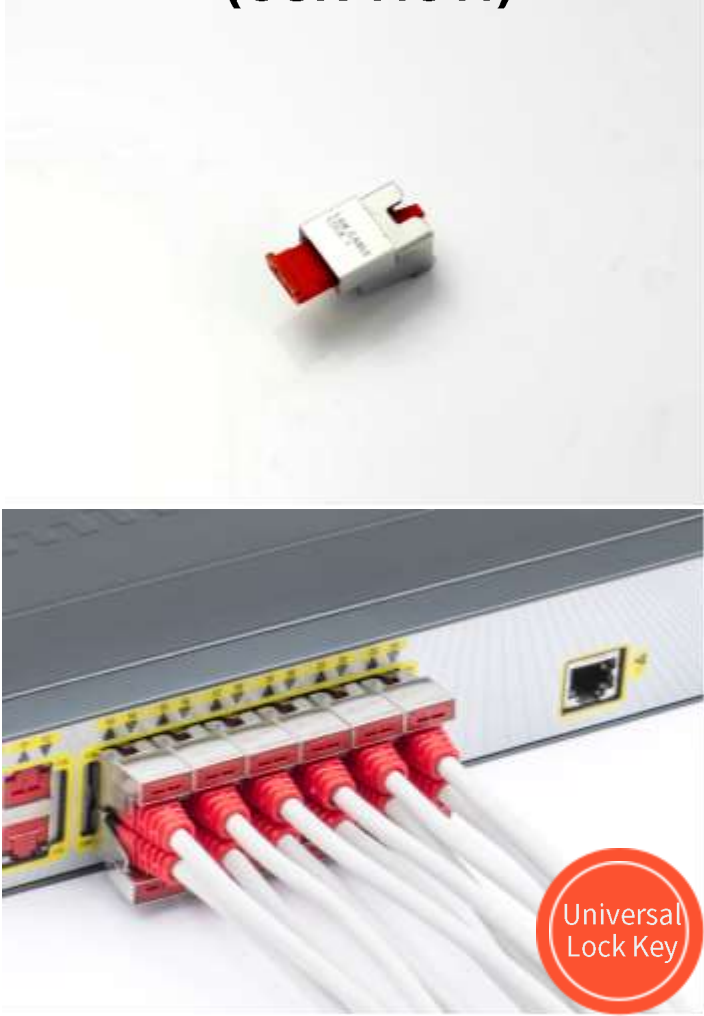
Top 3 Product Line-up

Network Port Lock Plus (CSK-NL11)



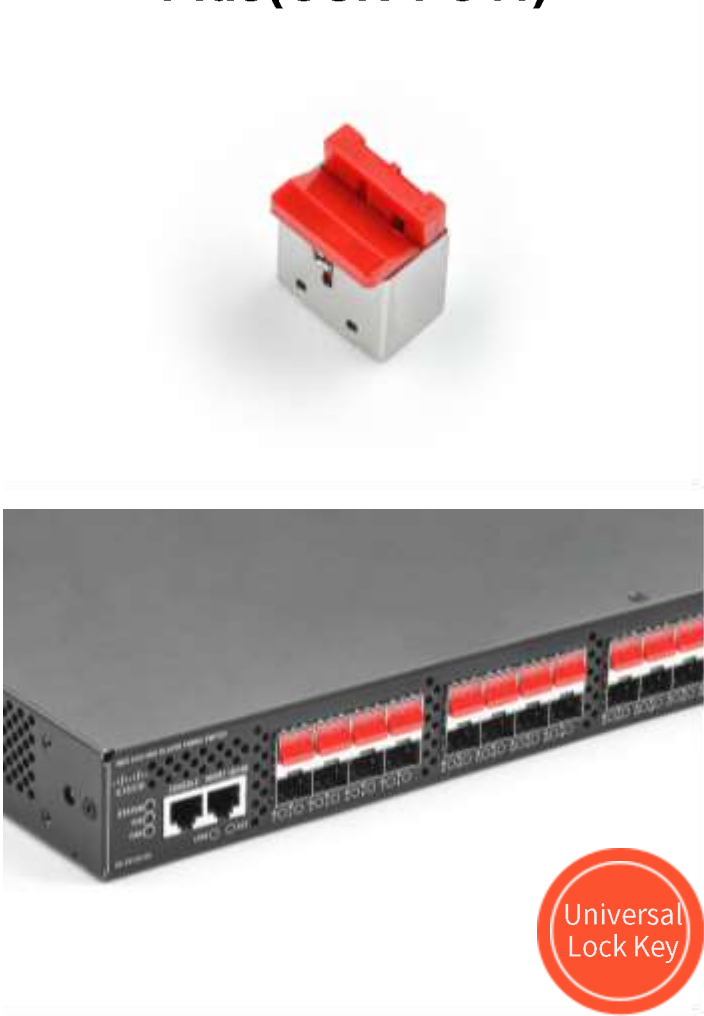
Physical security devices that seal ports by inserting them directly into unused network ports

LAN Cable Lock Plus (CSK-NC11)



Physical security device that prevents arbitrary disconnection of LAN cables connected to the system
※ Immediate application to operating equipment without disconnecting cables

Fiber Optic Module Lock Plus(CSK-FO11)



Physical security devices that are inserted into unused optic modules of network switch equipment to block access to unauthorized equipment

Network Products

LAN Cable Link-Lock
(CSK-NIP01/P4,P8)



✱ Usen in combination with NC11 / 4,8pin

LAN Cable Grip(NCG01)



✱ No release key

Fiber Optic Port Lock LC(CSK-FL01L)



✱ Unlock with CSK-N01

Fiber Optic Port Lock SC(CSK-FL01S)



✱ Unlock with CSK-N01

Secure Lan Cable Coupler(NCC01)



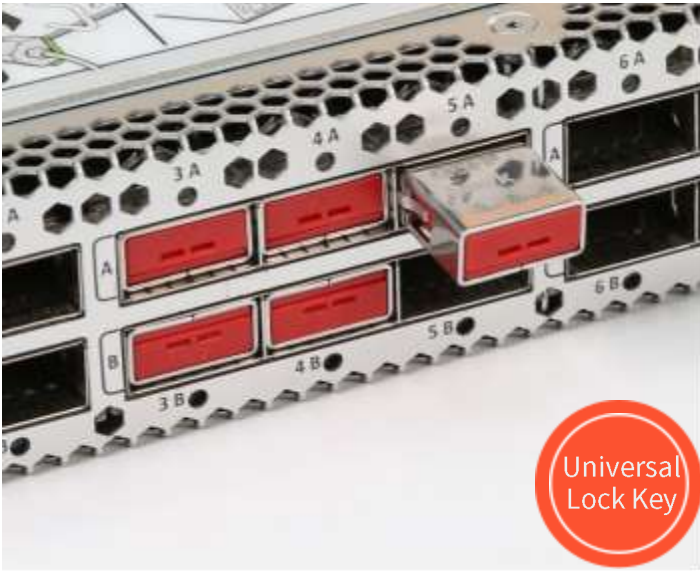
✱ Lock with Network Port Lock Plus(CSK-NL11)

Fiber Optic Cable Lock
(CSK-FOC10S,Single/ 10D,Dual)



Universal Lock Key

QSFP Port Lock(CSK-QF010)



Universal Lock Key

Network Module Lock(CSK-RM10)



Universal Lock Key

Systems and Other Products

More secure your PCs, Laptops, and System environment.

<Another Products>

Product Name	Function	Key type
Serial Port Lock	Blocking Serial and VGA Port	CSK-U30 (Universal Key)
DVI Port Lock	Blocking DVI Port	
Parallel Port Lock	Blocking Parallel Port	
SD Port Lock	Blocking SD Memory Card Slot	
CF Port Lock	Blocking CF Memory Card Slot	
E-SATA Port Lock	Blocking E-SATA Port	
ODD Lock	Locking DVD/CD-ROM Drive	
BNC Port Lock	Blocking BNC Port	CSK-U04 (Mini Key)
Mini HDMI Port Lock	Blocking Mini HDMI Port	
Micro SD Port Lock	Blocking Micro SD Port	
Mini Display Port Lock	Blocking Mini Display Port	
RJ11 Port Lock	Blocking RJ11 Port	

※ See page 12 about information of release key

HDMI Cable Grip(HCG01)



Locks the HDMI cable in use in broadcast, on-set, and PC environments to prevent vibration or accidental dislodgement.
※ No Key required

Top 3 Product Line-up

HDMI Port Lock(CSK-HMD10) Display Port Lock(CSK-DLD10)



A physical security device that blocks empty HDMI ports and display ports, respectively.

IEC Lock C13 to C14(1.6m/3m) Power Extension Lock(PC2589)



Prevent power lock from falling out due to vibration or force
(Can be used as an extension for short power lines)

Systems and Other Products

Serial Port Lock(CSK-SPL10)



DVI Port Lock(CSK-DL10)



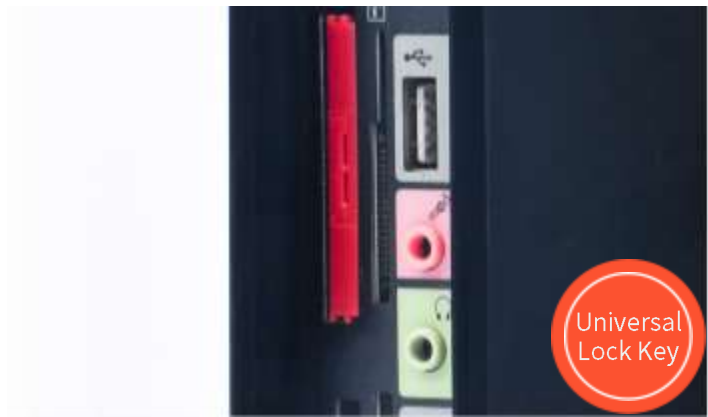
Parallel Port Lock(CSK-PL10)



SD Port Lock(CSK-SDD10)



CF Port Lock(CSK-CFD10)



E-SATA Port Lock(CSK-ETD10)



ODD Lock(CSK-OL10)



BNC Port Lock(CSK-BNL10)



Mini HDMI Port Lock(CSK-MHMD04)



Micro SD Port Lock(CSK-MSD04)



Mini Display Port Lock(CSK-MD04)



RJ11 Port Lock(CSK-MNL04)



PC and Laptop

Internal parts of PCs and Laptop is also important

<Another Products>

Product Name	Function	Key type
PC Lock(Dial)	Preventing the opening of the PC side panel(Dial type)	4-digit dial

※ See page 12 about information of release key

Top 3 Product Line-up

Laptop Lock Plus(LLD02)



A bezel-locking, dial-type laptop theft protection device with or without a USB port or Kensington Hall

- ※ Can be combined with our multi-hub
- ※ Unlock via 4-digit dial

Laptop Lock Dial(CSK-LLD01)



Dial-type laptop theft protection devices using USB-A type ports to prevent theft and detachment of laptops

- ※ Unlock via 4-digit dial

PC Lock(CSK-SL01)



Preventing the opening of the body panel and preventing the theft of the PC to protect key resources inside the PC

- ※ Unlocking with a dedicated key

Release Key Products

Introducing three release keys that control and provide security across all product lines of smartkeepers.

<Features>

1. Superior Security
 - Generate a variety of key patterns to maintain unique security
2. Systematic customer and key management
 - Confirm the end user when selling the key and proceed with the shipment
 - Not for sale to the general customer
3. High scalability
 - Control most of our products with one key
 - New products to be developed in the future can also be controlled
4. Development and manufacture of Korea
 - Proven Product Power
 - Thorough follow-up management

Release Key of SMARTKEEPER

Universal Key (CSK-U30)



- A versatile key that can release 23 types of Smartkeeper Pro Line-Up.
- Mounted a port detection LED on the side of the key.
- Handle application of antistatic material.

Mini Key (CSK-U04)



- Mini key for controlling small-sized ports.
- A swing-type key that is portable and can hide the Key header.

Fiber Optic Port Lock Key (CSK-N01)

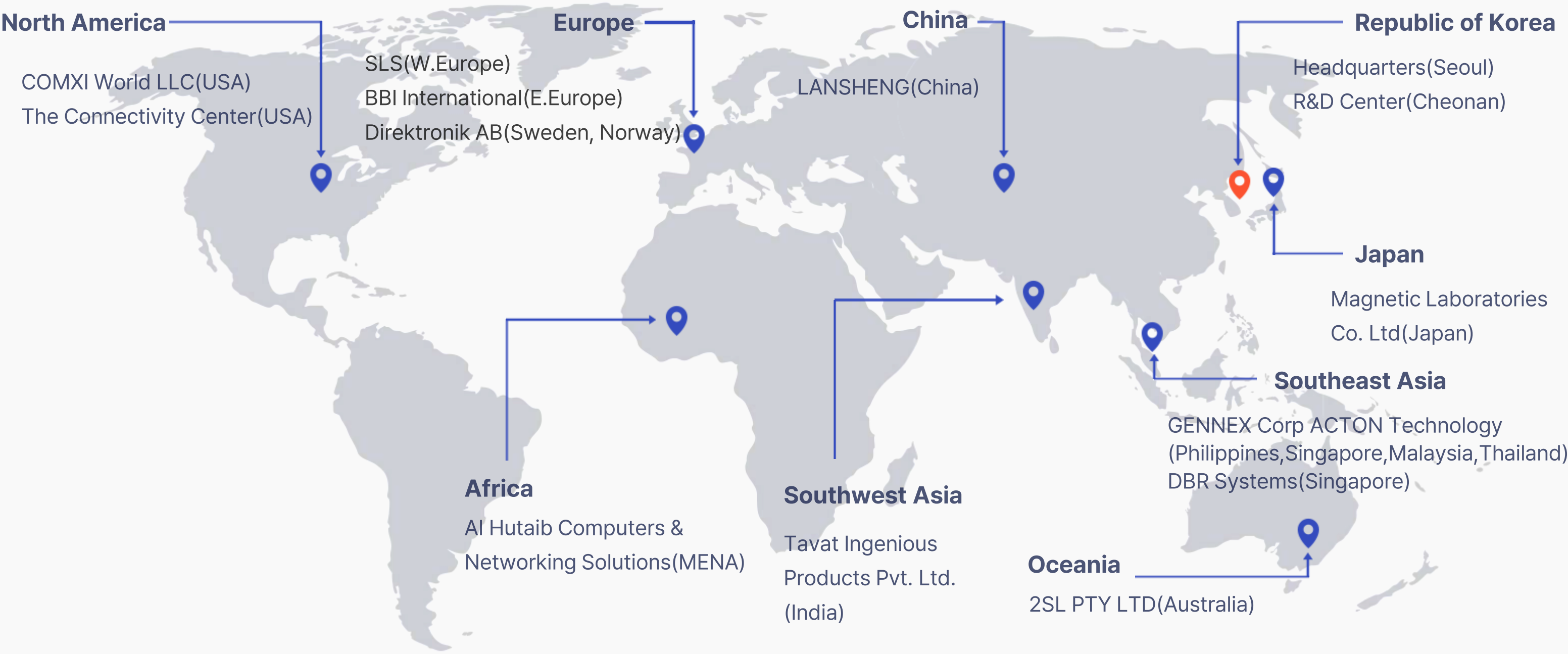


- Key used to release fiber optic port locks.

SMARTKEEPERS in world

(As of August 2022)

Category	Region
Production Base	KOREA(ROK)
R&D Center	KOREA(ROK)
Overseas Corporation	United States
Partners	11 Site
Distributors	12 Site
Country of Sales	21



Why SMARTKEEPER?

Accumulated production of physical security items (Unit : Piece)

30,000,000 ↑

Over the past decade, more than 30 million "physical security products" have been sold under the name "smartkeepers."

Through continuous development and investment, Smartkeepers will respond to changing computing environments and will continue to introduce new physical security products, and will set new standards for physical security by exploring and expanding global markets.

(As of Jan 2025)

Patent

40 Cases

(Korea 25 Cases, Overseas 15 Cases)

Product Line-up

50

Reference

4,540+

(Including Korea and overseas sites)

Repurchase rate within 2 years

82%

(2018-2021)

ISO 9001

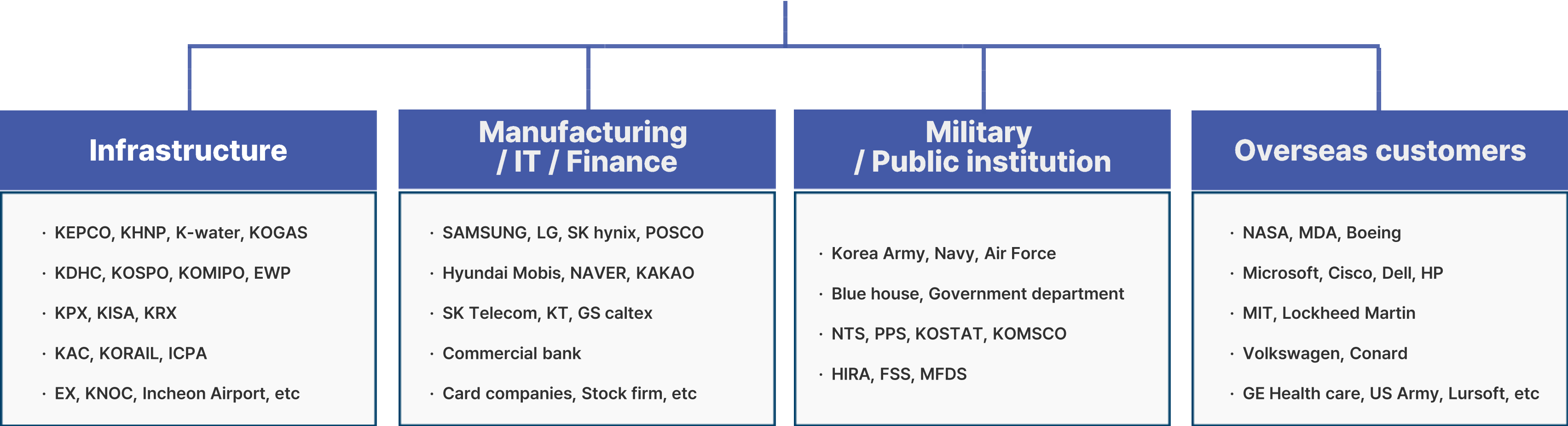
Quality management system certification

ISO 14001

Environmental management system certification.

SMARTKEEPER[®]

Introducing our diverse customers!



Total Smart Keeper Customers 4,500+

*There are two types of companies.
The company that was hacked, and the company that
didn't know it was hacked yet.*

- John T. Chambers, Cisco CEO -

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