

Blusafe **inivec**

Legacy in Hardware, Leadership in Smart Locks

Brand introduction



Blusafe and **Inivec** are brands owned by OFD, with our factory located in Ningbo, China. We are a global leader in smart lock technology and traditional hardware, specializing in retrofit door and window handles. With over 30 years of manufacturing expertise, our solutions integrate seamlessly with existing door systems and consistently outperform competitors. As a complete provider of smart access and traditional hardware solutions, we manage the entire process internally, from research and development to manufacturing and distribution. Our patented products have earned industry recognition and are certified across Europe and North America.



- 30 years of manufacturing expertise in hardware.
- Annual production capacity of 500,000 units.
- Holder of over 20 patents for electronic lock designs.
- 15,000 square meters of production and office space.
- Exports to more than 40 countries worldwide.
- Internationally acclaimed design team.



Blusafe

Smart Lock Solution



Market Overview

Current Market Size

The global smart lock market hit \$2.3 billion USD in 2022

Growth Projections

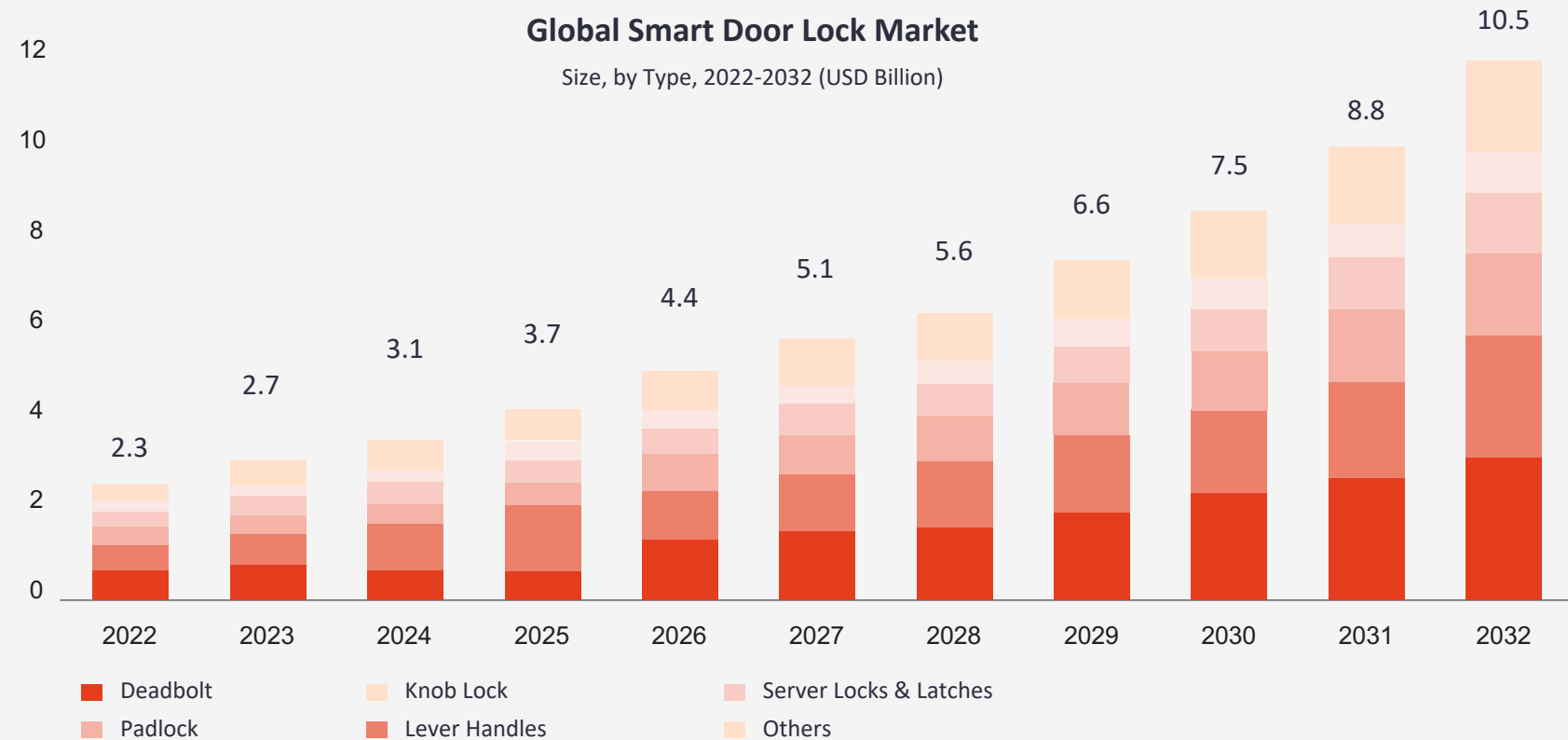
The smart lock industry is anticipated to reach \$10.5 billion USD by 2032, with an estimated 16.8% Compound Annual Growth Rate from 2022.

Regional Market Insights

Smart lock adoption rates in North America and Europe are currently at 4.6% and 2.4% respectively, much lower than Japan's 39% and the 14% seen in South Korea and major Chinese cities. This gap suggests significant growth potential in the West.

Global Smart Door Lock Market

Size, by Type, 2022-2032 (USD Billion)



The Market Will Grow at
The CAGR of: **16.8%**

The Forecasted Market Size
For 2032 in USD: **\$10.5B**

Our Products

01

External door Smart locks

Origin Smart – For Multipoint Locks



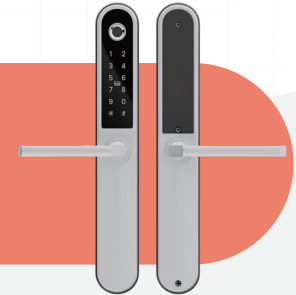
- Keyless 92 PZ lift-lever lock with fingerprint, RFID card, and app (Bluetooth + remote).
- Holds 50 fingerprints and 50 RFID cards.
- Finishes: Black, Chrome, Satin Chrome.
- IP65 dust/water-resistant with long-life batteries.
- Quick retrofit onto existing MPL lock body.
- BUILD UK “Top Innovative Smart Lock,” 2022

Infinity - For Multipoint Locks



- Keyless 92 PZ lift-lever lock with keypad and app (Bluetooth + remote).
- Supports up to 100 passcodes.
- Finishes: Black, Chrome, Satin Chrome.
- IP65 dust/water-resistant with long-life batteries.
- Quick retrofit onto existing MPL lock body.

Apollo - For Multipoint Locks



- Unlock by fingerprint, PIN, RFID card, app (Bluetooth + remote), or mechanical key
- Aluminum-alloy body fits most handle positions; silver or black finish
- IP65 dust/water resistance with long-life batteries
- Stores 100 fingerprints, 250 PINs, 1,000 RFID cards
- Google Home & Amazon Alexa compatible
- Quick retrofit onto existing MPL lock body

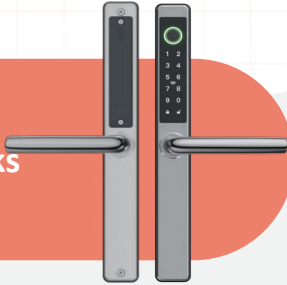
*Full details and specs of the products are in the catalog

Our Products

01

External door Smart locks

Origin Smart Plus - For Multipoint Locks



- Unlock by fingerprint, PIN, RFID card, app (Bluetooth + remote), or mechanical key
- Stores 100 fingerprints, 250 PINs, 1,000 RFID cards
- Stainless steel body fits most handle positions; silver or black finish
- IP65 dust/water resistance with long-life batteries
- Google Home & Amazon Alexa compatible
- Quick retrofit onto existing MPL lock body

Yunity - For Slam-Shut or Key Winding Multipoint Locks



- Retrofit smart lock for key-winding or slam-shut MPLs.
- Unlock via fingerprint, passcode, app (Bluetooth + remote).
- Supports 100 fingerprints and 100 passcodes.
- Auto-lock feature for enhanced security
- IP65 dust/water resistance with long-life batteries.

Cloud - For Deadbolts



- Unlock by fingerprint, passcode, smartphone app, or mechanical key
- Stores up to 100 fingerprints and passcodes
- Bluetooth built in; Wi-Fi via optional bridge
- IP65 dust & water resistance
- Runs on 4 × AA batteries (6 + months life)
- Finishes: chrome, brushed nickel, black

*Full details and specs of the products are in the catalog

Our Products

01

External door Smart locks

Contour – For External Latches



- Unlock via fingerprint, passcode, card, smartphone app, or backup mechanical keys.
- Stores up to 100 fingerprints and 100 passcodes.
- Bluetooth connectivity with Built-in Wi-Fi
- IP65 rated for durability and weather resistance.
- Built-in intrusion prompt for forced entry alerts.
- **Contour V - High-resolution camera version for enhanced security.**
- **Meets fire safety standards and accessibility needs.**

02

Internal Door Lock

Breeze – For Internal Latches

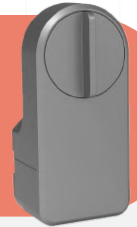


- Designed for internal doors using a latch or deadbolt.
- Fingerprint unlock + mechanical key override, stores 50 fingerprints.
- 4 × AAA batteries; 6-month + life
- IP60 (indoor use)
- Quick DIY install; long backplate hides old holes
- **Breeze Plus variant adds app control**
- Finishes: chrome, satin chrome, black

03

Modular Smart Lock

VISTA A1 - For Mortise/Cylinder Lock & Deadbolt



- Easily attaches to your doors.
- Powered by 4x AA batteries, offering up to 10 months of battery life.
- Supported by the Blusafe App via Bluetooth.
- “Optional” WIFI gateway for remote access and smart platform integration.
- “Optional” keypad for password entry.
- Available in gray and black finishes.

*Full details and specs of the products are in the catalog

Our Products

04

Window Handle

Millennium - Keypad Window Handle



- 6-digit anti-peeping passcode for safer access.
- Mechanical key backup for emergency opening.
- Up to 18 months of battery life (4 x AAA batteries, average 5 uses/day).
- Easy DIY installation without professional tools.
- Compatible with sliding doors/windows, casement windows, window screens, and top-hung windows.

05

Padlocks

Mirage - Fingerprint Padlocks



- Fingerprint padlock for versatile security use, comes with short & long shackle.
- Supports up to 20 fingerprints.
- Fast fingerprint recognition with 508dpi sensor.
- IP66 rated for water resistance and outdoor use.
- Powered by rechargeable lithium battery (400mAh).
- Battery life of more than 6 months per charge.
- Emergency charging via Micro-USB port.

06

Letter Plate

Smart Letter Plate



- Seamless integration of tradition and technology
- Smart sensor option sends app notifications when opened
- Easy installation process
- Corrosion resistance: 480 hours neutral salt spray tested
- Made from zinc alloy or 304 stainless steel
- Finish options include white, black, anthracite grey (powder coat)
- Plated finishes include chrome, PVD gold, satin chrome, brushed nickel, rose gold

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Use Cases

External Door Smart Lock



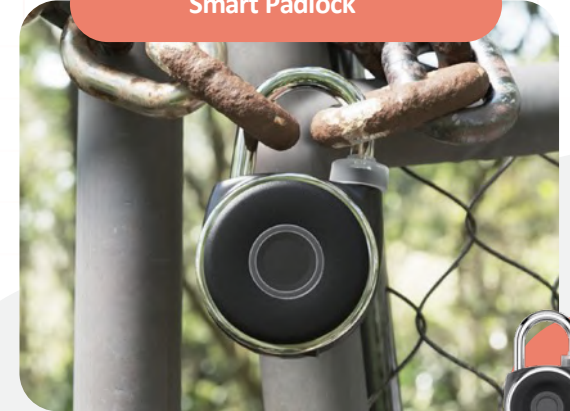
- **Personal**
Homeowners, Rental properties
- **Commercial Spaces**
Offices, gyms, warehouses, retail stores.
- **Hospitality**
Vacation rentals (Airbnb).
- **Education**
Schools, universities, research facilities.
- **Healthcare**
Hospitals, clinics, laboratories.
- **Government**
Government offices, military facilities.

Internal Door smart Locks



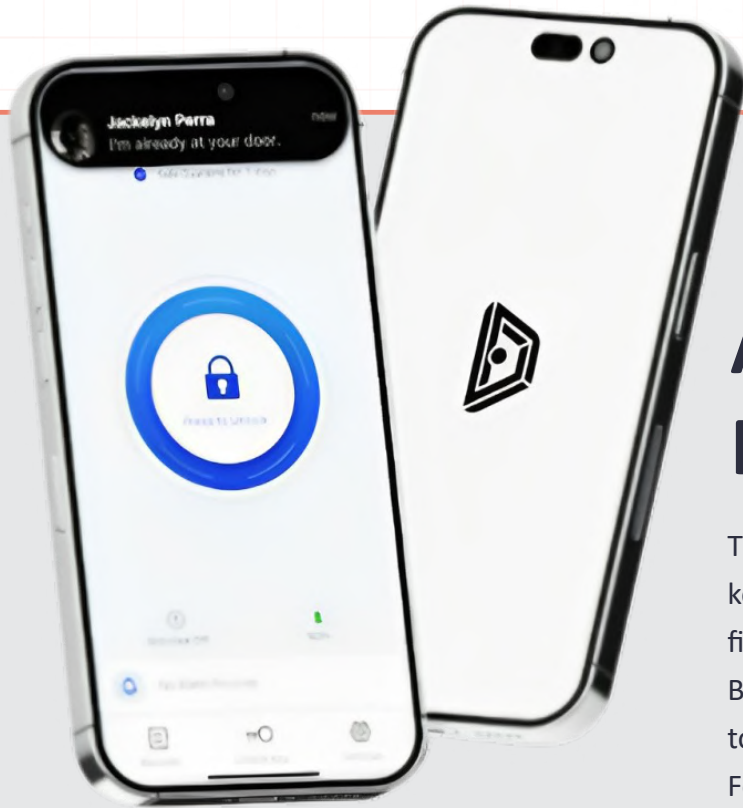
- **Landlords of Shared/Student Accommodation**
Secure tenant's bedroom doors
- **Homeowner Internal Doors**
Home offices, keep the kids out of the bedroom
- **Small Businesses**
Secure rooms and give selected employees access.

Smart Padlock



- **Luggage and Travel**
- **Gym Lockers**
- **Toolboxes and Equipment**
- **Gates and Fences**
- **Warehouses and Storage Units**
- **Bicycle lock**

Our Products



App Features

The Blusafe Smart App revolutionizes keyless access via phone control and fingerprint authentication. It pairs with Blusafe Smart Locks/Handles, connecting to a Wi-Fi hub for global remote access. Features include sharing e-Keys, usage monitoring, and centralized access management.

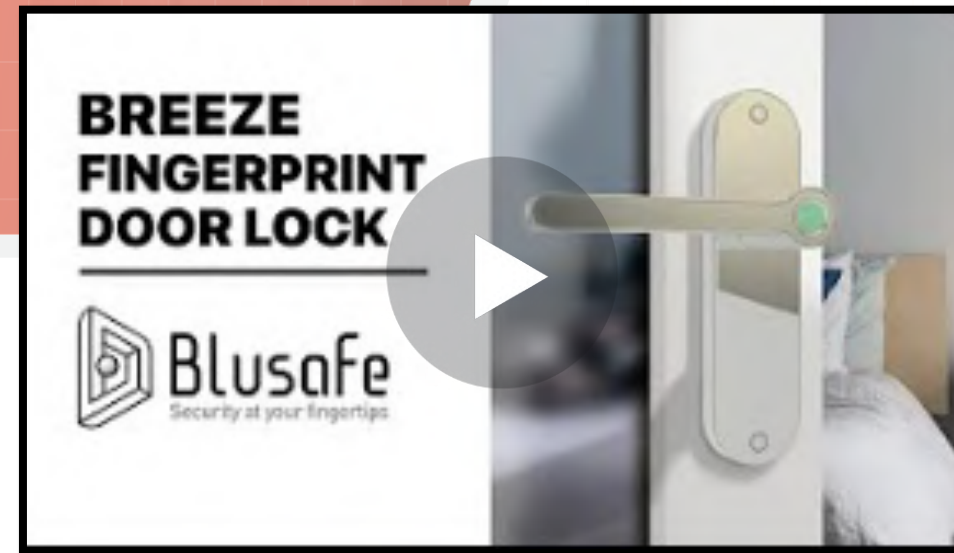


Key Features

- ✓ Global door control via Wi-Fi
- ✓ Easy management of fingerprints, key-cards, and codes
- ✓ Share temporary or permanent keys
- ✓ Detailed door usage tracking
- ✓ Customizable notifications
- ✓ Secure management of multiple locks/properties
- ✓ Battery status monitoring with alerts

Moreover, it can integrate with a range of IoT platforms, including **Tuya, TT Lock, AWS, or any other platform you prefer.**

Blusafe's External & Internal Smart Locks Demo*



Strengths of Blusafe Products

Rapid Innovation and Customization:

Renowned for its agile innovation, adeptly meeting market demands and swiftly launching products, while also offering an ODM option.

Exclusive Multi-Point Smart Locks:

One of only two global suppliers with patented technology for British and European multi-point smart locks.

End-to-End integrated:

From R&D to design and manufacturing to testing, the company ensures cutting-edge security solutions that are trusted by the customers

Wide Product Range:

Offers diverse smart lock options—external doors, internal doors, windows and padlocks—for various requirements.

Retrofitting

Ensure unmatched compatibility with over 90% of lift lever locking mechanisms, exceeding industry standards for multi-point locks.

Global Certification Advantage:

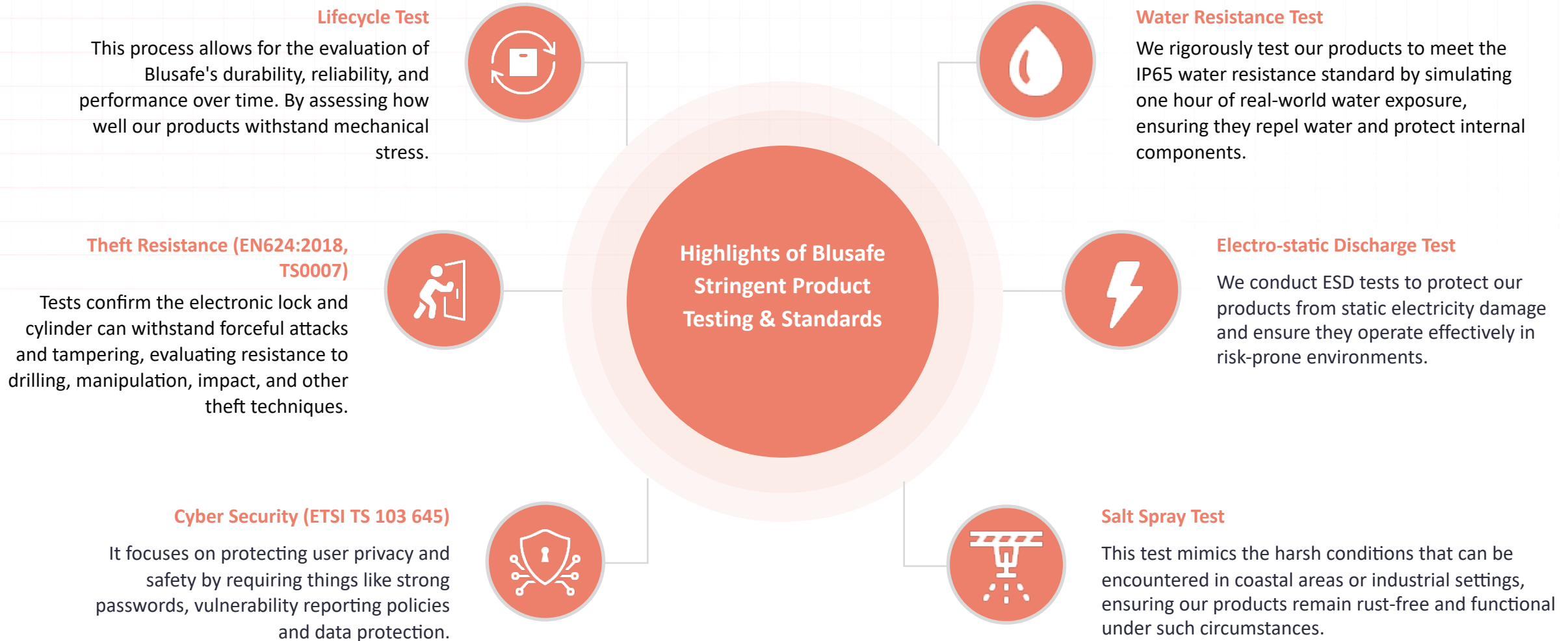
The first and only UK BSI-certified biometric smart lock. It exceeds other smart lock brands in fireproofing and boasts IP65 protection.

Proven Quality:

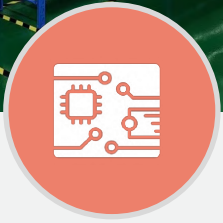
Endorsed by reputable entities like the Build Magazine, Tech Advisor and Financial Times validating quality and trustworthiness.



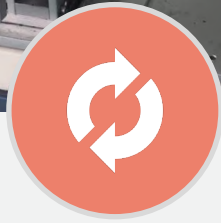
Strengths of Blusafe Products



Rigorous Quality & Durability Testing



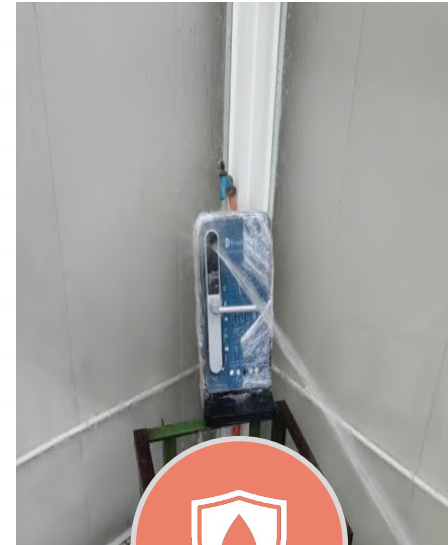
PCBA Aging test



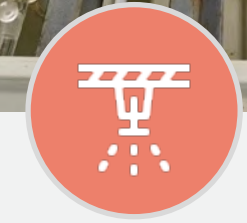
Life cycle test



**Electro-static
Discharge Test**

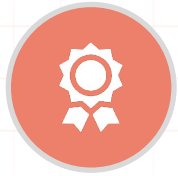


**Water Resistance
Test**



Salt Spray Test

Security & Compliance



Certifications

We demonstrate our commitment to quality through various certifications and comprehensive product testing reports. Additionally, we're happy to discuss obtaining certifications that meet your specific regional requirements.



Offline Operation

For people concerned about their smart door lock connected to internet, all our models can operate without it as well, allowing offline functionality.



Customized Integration



Hardware architecture designed for flexibility



Software SDKs for custom development



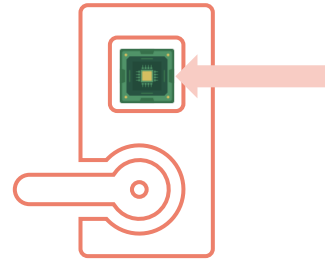
Development environment for your favorite language
Golang/Python/C.



Custom software development services

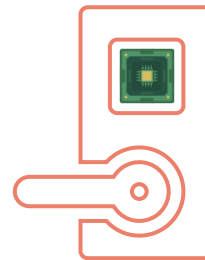


Custom hardware design services



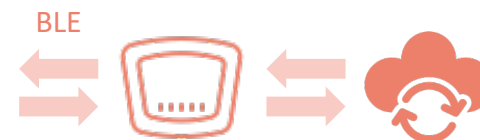
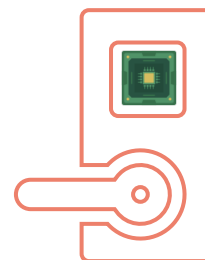
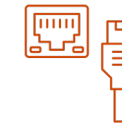
Low power wireless module that may support BLE, Zigbee and Thread.

Integration Setup I



A Linux based gateway that can be programmed to interact with your services in the LAN or the cloud.

Integration Setup II



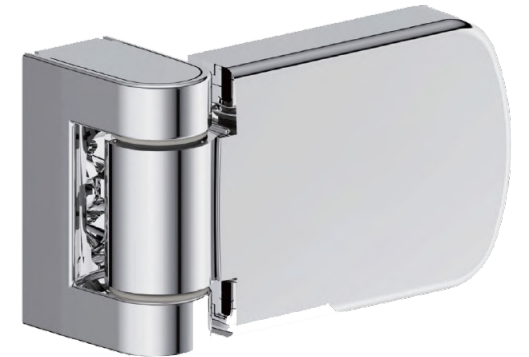
A cloud service with HTTPS based APIs for cloud-to-cloud integration.

Integration Setup III

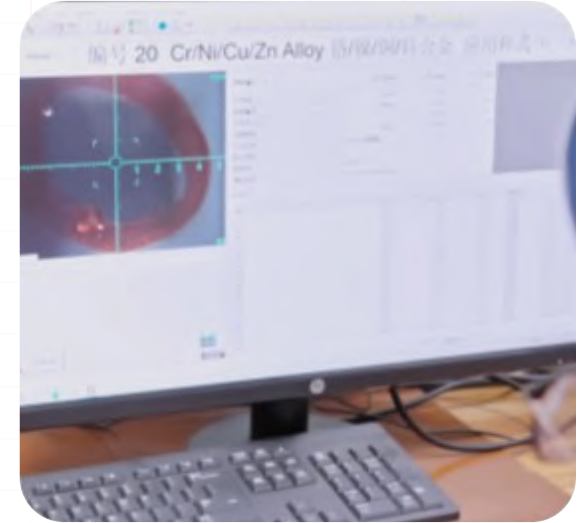


inivec

Traditional
Hardware
Solution

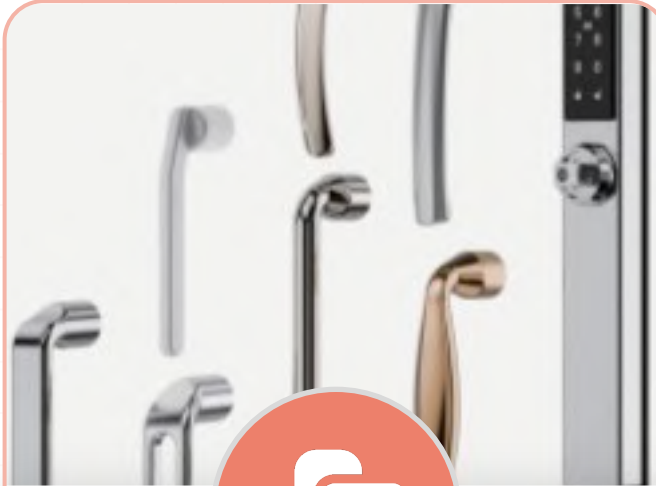


Built to **Last.** Finished to **Impress.**

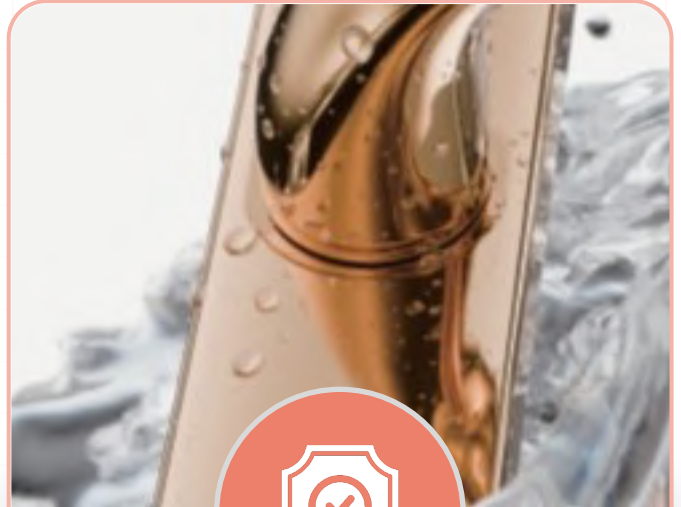




Brand Your Own Hardware



**Interchangeable
Handles**



**Lifetime Finish
Warranty**

Interchangeable Door Handle

Features

- ✓ Unique structural design allows for the interchange of handles and backplates in different styles, presenting diverse looks.
- ✓ It can even be interchanged with some BLUSAFE smart handles.

Specification

- **Performance:** Tested to 100,000 cycles
- **Corrosion Resistance:** 480 Hours Neutral Salt Spray Test
- **Material:** Zinc or Aluminium Alloy
- **Screws, Spindle:** Steel
- **Powder Coat:** White, Black, Anthracite Grey
- **Plated Multi Layer:** Chrome, PVD Gold, Satin Chrome, Brush Nickel, Rose Gold
- **Box Quantity:** 12
- **Packaging:** Can be customised



Standard Door Handle

Features

- ✓ Unique structural design allows for the interchange of handles and backplates in different styles, presenting diverse looks.
- ✓ It can even be interchanged with some BLUSAFE smart handles.

Specification

- **Performance:** Tested to 100,000 cycles
- **Corrosion Resistance:** 480 Hours Neutral Salt Spray Test
- **Material:** Zinc or Aluminium Alloy
- **Screws, Spindle:** Steel
- **Powder Coat:** White, Black, Anthracite Grey
- **Plated Multi Layer:** Chrome, PVD Gold, Satin Chrome, Brush Nickel, Rose Gold
- **Box Quantity:** 12
- **Packaging:** Can be customised



ESPAG Handle

Features

- ✓ Inline and cranked options
- ✓ Egress - non locking green button
- ✓ Non locking version
- ✓ Supplied with fixing screws & 1 key

Specification

- **Performance:** Tested to 30,000 cycles
- **Corrosion Resistance:** 240 Hours Neutral Salt Spray Test
- **Material:** Zinc or Aluminium Alloy
- **Screws, Spindle:** Steel
- **Cover Cap:** Aluminium or Copper – Colour matched
- **Powder Coat:** White, Black, Anthracite Grey
- **Plated Multi Layer:** Chrome, PVD Gold, Satin Chrome,
- **Box Quantity:** 25
- **Packaging:** Can be customized
- **Spares:** Key, Cover Caps



Inline



Cranked



Security Door Hinge

Features

- ✓ High security hinge to meet the requirements of PAS24
- ✓ Supplied as 3 ready assembled parts for super fast and easy fitting
- ✓ To suit rebate height from 17-25mm without shims or packers
- ✓ Totally independent 3 axis adjustment
- ✓ One size hex key fits all 3 adjusters
- ✓ Die cast cover caps to give a perfect colour match
- ✓ Helpful adjustment guide on protective film cover

Specification

- **Lifecycle Performance:** Tested to 200,000 cycles
- **Load Performance:** Tested to 100kg with 3 hinges
- **Corrosion Resistance:** 480 Hours Neutral Salt Spray Test
- **Hinge Frame, Leaf, Cover:** Zinc alloy
- **Hinge Pin, Screws:** Stainless Steel
- **Powder Coat:** White, Black, Anthracite Grey
- **Powder Multi Layer:** Chrome, PVD Gold, Satin Chrome, Brush Nickel, Rose Gold
- **Box Quantity:** 12



Door Knocker & Numeral/Letter

Features

- ✓ Elegant Traditional Styling

Specification

- **Corrosion Resistance:** 480 Hours Neutral Salt Spray Test
- **Material:** Zinc Alloy or 304 Stainless Steel
- **Powder Coat:** White, Black, Anthracite Grey
- **Plated Multi Layer:** Chrome, PVD Gold, Brush Nickel, Rose Gold
- **Box Quantity:** 10
- **Packaging:** Can be customised



Optional door viewer to suit:



Our Customers

Some of our key clients



Partnership Opportunities



Distribution

- ✓ **Selective Distribution:** OFD collaborates with limited regional distributors or retailers for smart lock and hardware products.
- ✓ **Multi-channel Distribution:** OFD uses direct sales via its website (US, UK, AU, NZ), alongside partnerships with various distributors, retailers, and online marketplaces to reach diverse markets.



Resellers

- ✓ **Retailers:** Sell directly to consumers through superstores or major online platforms.
- ✓ **Distributors/Wholesalers:** Purchase in bulk from manufacturers, reselling to retailers or other businesses.
- ✓ **Channel Partners/Integrators:** Integrate smart lock and hardware products into broader systems or solutions.
- ✓ **Value-Added Resellers (VARs):** Add value through customization, bundling, or additional services before selling.



Customization

- ✓ B2B clients can brand Blusafe/Inivec products with their company name and logo.
- ✓ Feature customization for specific business needs is available on request.
- ✓ Size or design adjustments in locks are possible based on preferences or requirements.

Support & Maintenance



Customer Support

OFD provides customer assistance via WhatsApp, Blusafe Smart app, websites, and emails.



Warranty

For **Blusafe** we offers a standard 1-year warranty for electrical components and 1-year for mechanical parts. For **Inivec**, we offer 10 years mechanical warranty with lifetime finish warranty.



Software Updates

Blusafe regularly updates its software for improved user experiences. Over-the-Air (OTA) services are available in certain cases.

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