Unismart mini2

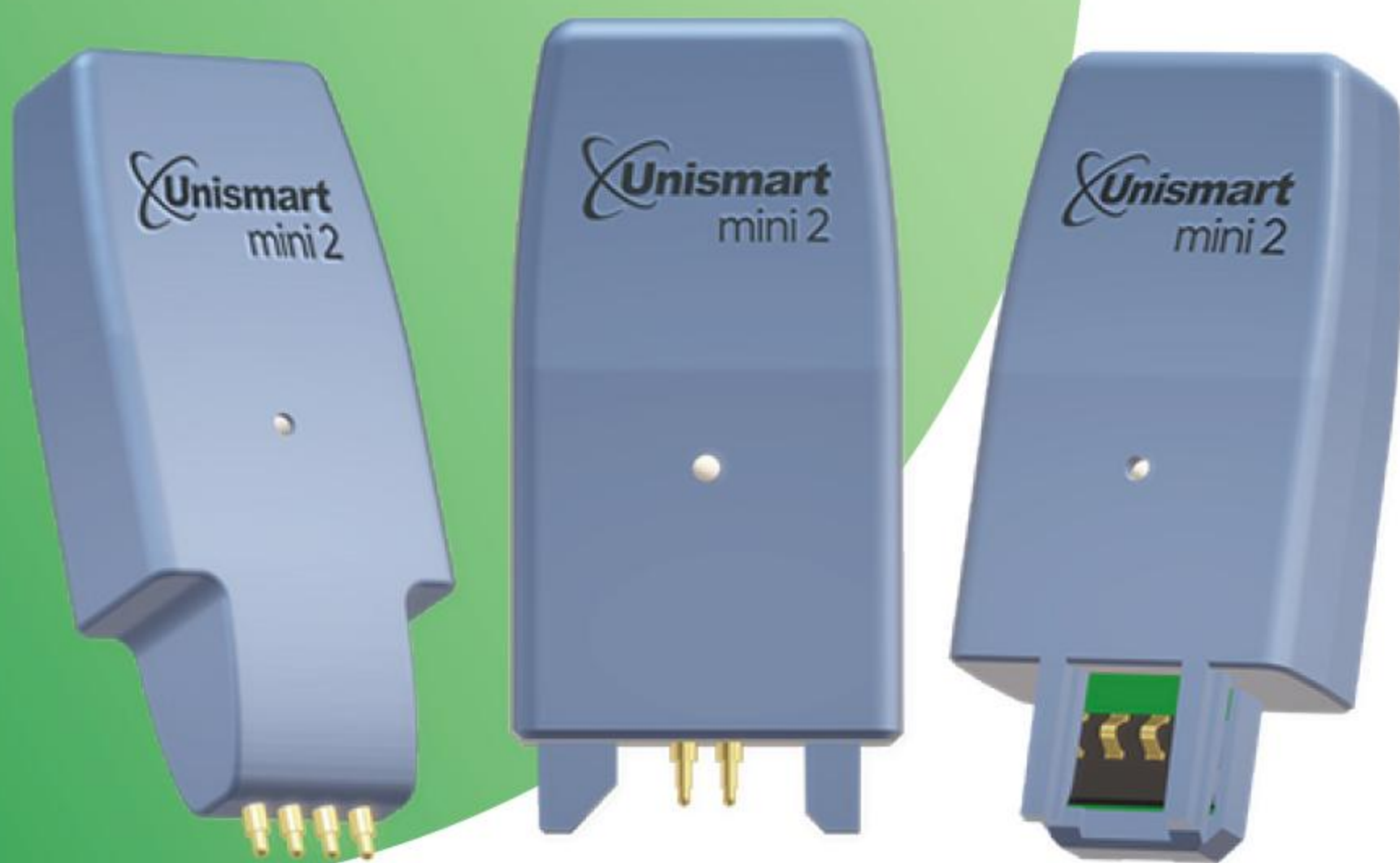## FOR E-COMMERCE AND END-USERS

SMALL   **EASY**   **FAST**   **SAVE**

Position

Unismart Mini 2 is a lightweight and intelligent upgrade device that is **designed for e-commerce and end-users**, providing them with an innovative and satisfying experience.

Application Scenario

When printers fail to recognize third-party consumables due to OEM firmware upgrades, end-users can connect their phones to the Unismart Mini 2 to upgrade the consumable within 2 seconds, allowing the product to be used immediately and guaranteeing customer satisfaction.

EASY

FAST

SMALL

Printer Helper

SAVE

SMALL

Ultra-small and ultra-light, can be held in one hand

The Mini 2 is the same size as a USB flash drive. The ultra-small and ultra-light design ensures robustness while maintaining maximum durability. It can be packaged together with the consumables for easy upgrades.

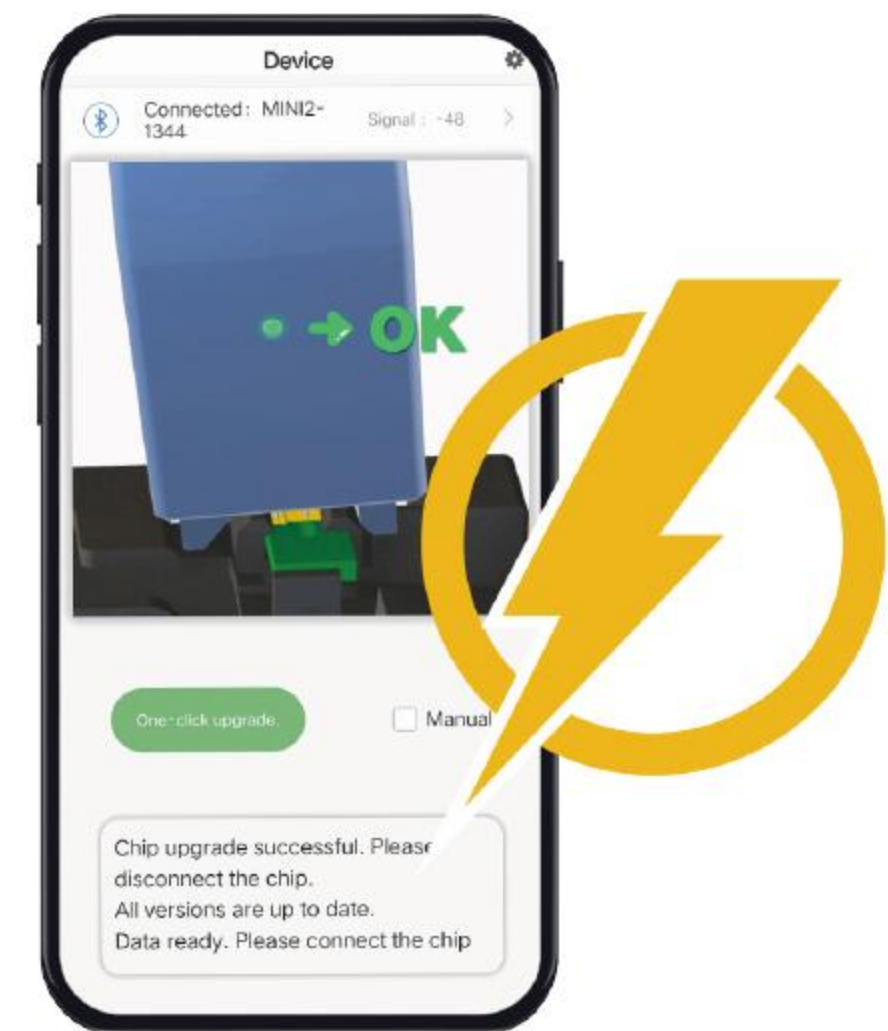| 90/91 Series Contact Alignment	95/96 Series Fail-proof Plug-in Design	289 Series Positioning Bracket

EASY

Convenient alignment and intelligent identification

- Simple and intuitive **APP interface**, easy-to-understand Operation animation.
- **One-touch intelligent recognition**, no need for manual selection, easy to upgrade.
- **Optimized UX** design, convenient positioning and strong versatility.

FAST

Ultimate performance, extreme speed

Experience high-speed performance with our self-developed CPU design and intelligent recognition scheme, allowing for upgrades in as fast as **2 seconds** for an exceptional experience.
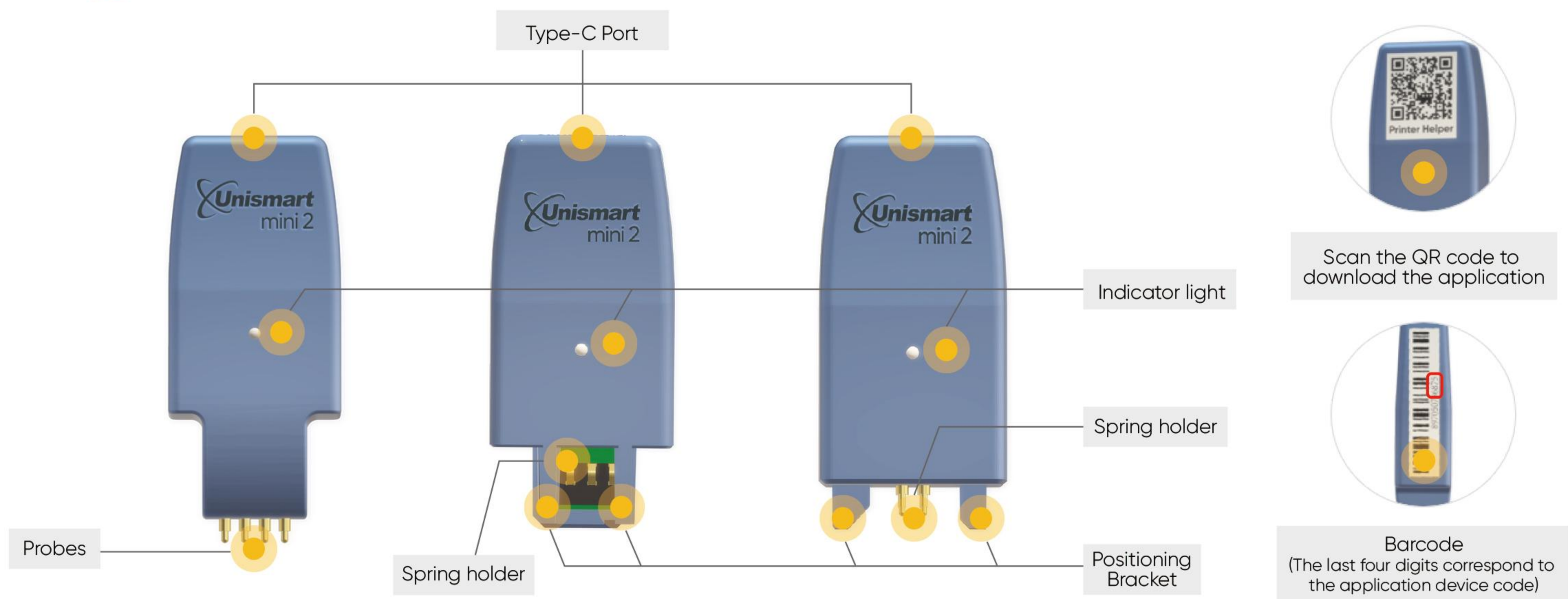
SAVE

Save time, money, and worry

- Reduce the combined cost of returns and exchanges, rework, logistics, and transportation;
- Reduce customer complaints by about **10~20%** and maintenance cost of e-commerce platforms;
- The APP **supports several different languages**, such as Chinese, English, French, German, Spanish, Portuguese, Polish, Arabic, Russian, Japanese, and Korean to meet users' needs.
- Provides **24-hour customer service**, reducing your worries;
- Save money, time, trouble, effort, and worry by bringing you an extremely efficient experience.

Product design and specifications

Type-C Port

Indicator light

Spring holder

Probes

Spring holder

Positioning Bracket

Scan the QR code to download the application

Barcode
(The last four digits correspond to the application device code)

CPU | Custom MCU, clock speed 160MHZ
Data Transmission | USB2.0 Protocol, BT5.2 Protocol
Power Interface | Type-C Port
Power Input | DC 5V/100—1000mA

Working Temperature | -20°C—55°C
Dimensions | 47(L) *22(W) *11(H)mm; Weight： 8(g)
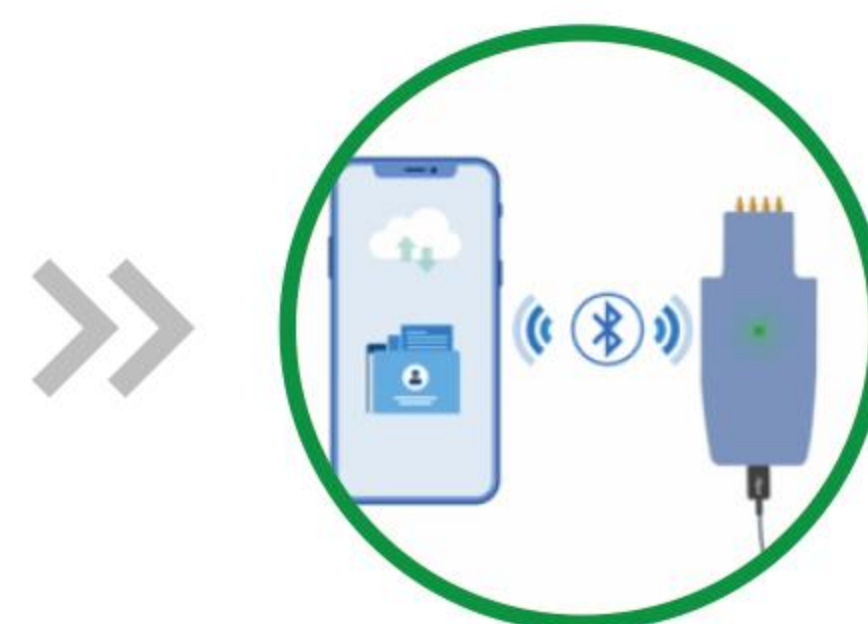**Data Cable |** USB cable A-C interface,
cable length: 50cm

Only three steps are needed to complete the firmware upgrade!

Printer Helper

安装成功

Printer Helper

STEP 1
Install APP

STEP 2
Connect to Bluetooth

STEP 3
Upgrade Chip

Scan the QR code to install the Printer Helper App!

Mini2 Phone/Tablet Compatibility

Q What are the dimensions and weight of the product? Is it easy to store and carry?

The three types of Mini 2 differ slightly in size and weight. They have dimensions of approximately 47(L) * 22(W) * 11(H) mm, and weigh about 8g, similar to a small USB flash driver. The miniaturized design enhances energy efficiency in both manufacturing and use, benefiting the environment and making the product easier to store and carry.

To ensure durability while maximizing efficiency, we've implemented the following design solutions:

· Highly integrated circuit design: By reducing the number and size of internal components, we've achieved a more compact product.

· Lightweight materials: Our selection of lightweight and durable materials not only reduces the product's size but also improves its durability and portability.

· Optimized space utilization: Every inch of space is utilized in our design to ensure proper layout of each component and minimize the product's form factor.

This enables the product to be shipped with consumables without increasing logistics costs and simplifies firmware upgrades.

Q How to choose the model when upgrading chips?

You don't need to select the model manually. Simply let the probe or spring holder contact the chip, and the system will intelligently recognize the chip model and version. It will then complete the automatic upgrade, making the process very convenient and fast. This design is intended to help customers improve the efficiency of the upgrade process.

Q What types of chips can the product be upgraded with and what are the considerations?

The Mini 2 can be upgraded with the current models listed below, and additional models will be made available in the future based on user and market demand.

For Use in Product Series	CF289 Series	90/95/97X Series	91/96X Series
Cartridge Models	259 Series(CF259/CF276) 415 Series(W2030/W2040) 207 Series(W2210) 216 Series(W2410) W1420 Series(W1420) W1490 Series(W1490/W1510) 415 Series(W2030/W2040)207 Series(W2210)216 Series(W2410) W1350 Series(W1350/W1360)W1390 Series(W1390/W1450)	903/904/905 Series 953/954/955 Series 913/973/974/975/976/981 Series	912/915 Series 963/964/965 Series

Please be aware that the Mini 2 can only be upgraded with new version chips. For more details, please consult your sales manager.

Q How fast are products upgrading chips?

The Mini 2 features a self-developed CPU design that provides extremely fast performance. The fastest upgrade only takes 2 seconds.

The innovative software design architecture allows for high-speed data transmission between the app and the product, as well as fast decoding on the chip side. This ensures data download in less than 1 second.

The Mini 2 also includes the function of one-touch intelligent identification of chip models, making the upgrade process simple and fast. Users do not need to manually select the type and wait for a long data loading process. Overall, users can enjoy a high-speed upgrade experience with simple operation.

Q What are the design highlights of the product and why Mini 2?

Compact and lightweight features are key aspects of the Mini 2. Whether it's the 289 series with a positioning bracket design, the 95/96X series with a fail-proof plug-in design, or the 90/91X series with a contact alignment design, all of them incorporate the concept of compactness and humanized detail design to provide users with a more convenient and simplified operating experience.
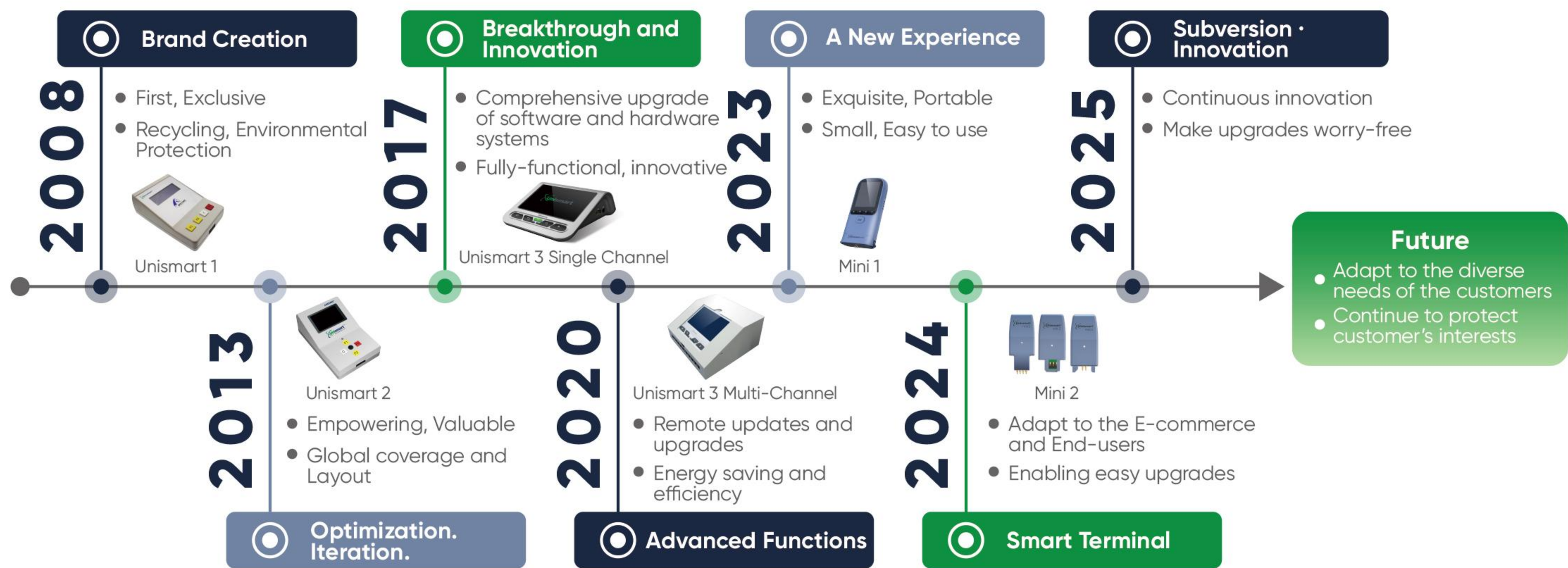
The fastest upgrade speed of only 2 seconds is the most powerful "core" of Mini 2. This is achieved through innovative overall software design architecture, combined with adjustments to software and hardware design on the chip side, as well as innovative software and hardware design of the test head. These measures ensure that the entire upgrade speed is controlled within 2 seconds, providing users with an extremely fast upgrade experience.

Pricing is a significant feature of Mini 2. The overall architecture and software optimization innovations have helped reduce the cost of the three types of hardware to meet customer expectations for competitive prices.
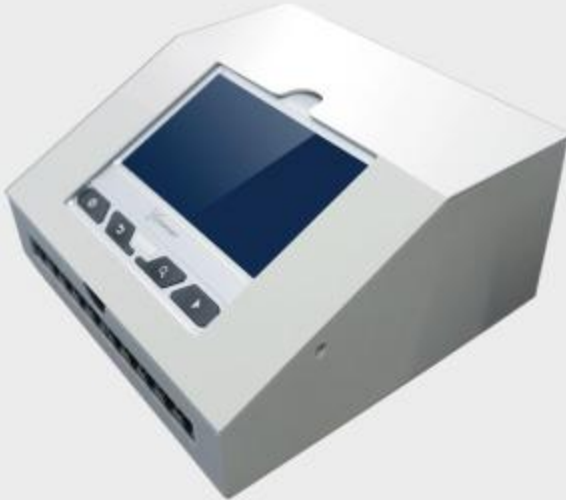
Through these design highlights and advantages, Mini 2 has not only been comprehensively upgraded in appearance and performance but has also reached new heights in user experience and environmental performance. This makes them truly small, simple, fast, economical, and worthy of every user's choice and trust.

Unismart Milestones

2008 — Brand Creation
- First, Exclusive
- Recycling, Environmental Protection

Unismart 1

2013 — Optimization. Iteration.

Unismart 2
- Empowering, Valuable
- Global coverage and Layout

2017 — Breakthrough and Innovation
- Comprehensive upgrade of software and hardware systems
- Fully-functional, innovative

Unismart 3 Single Channel

2020 — Advanced Functions

Unismart 3 Multi-Channel
- Remote updates and upgrades
- Energy saving and efficiency

2023 — A New Experience
- Exquisite, Portable
- Small, Easy to use

Mini 1

2024 — Smart Terminal

Mini 2
- Adapt to the E-commerce and End-users
- Enabling easy upgrades

2025 — Subversion · Innovation
- Continuous innovation
- Make upgrades worry-free

Future
- Adapt to the diverse needs of the customers
- Continue to protect customer's interests

Unismart Family and Application Scenarios

Unismart Mini 2	Unismart Mini/ MiniSmart	Unismart 3 Single Channel	Unismart 3 Multi-Channel
Compatible Models | For use in HP 90X/95X/96X series; HP CF289 series (for APEXMIC Chips only)	**Compatible Models |** For use in HP 90X/95X/96X series; HP CF289 series; Brother Laser Series III (for APEXMIC Chips only)	**Compatible Models |** For use in HP 90X/95X/96X series; Epson 6/7/8/9 series; Brother inkjet 5th generation series; Brother laser 3rd generation series; HP CF289 series, etc. (for APEXMIC Chips only)	**Compatible Models |** For use in HP 90X/95X/96X series; Epson 6/7/8/9 series; Brother inkjet 5th generation series; Brother laser 3rd generation series; HP CF289 series, etc. (for APEXMIC Chips only)
Application | E-commerce channels, end-users, Daily rework volume ≤10	**Application |** Channels close to the terminal, such as small and medium-sized distributors, stationery stores, etc.; Daily rework volume ≤50	**Application |** Small and medium-sized factories, fulfillment centers, distributors; Daily rework volume ≤100	**Application |** Large and medium-sized factories, wholesalers, overseas warehouses; Daily rework volume > 100
Advantages | Compact and lightweight; matches applications with one-touch intelligent recognition, easy to operate; supports multiple languages; highly efficient for single upgrades.	**Advantages |** Integration of hardware and software; Upgradable via WIFI; Supports multiple languages; Built-in battery lasts up to 4.5 hours; Conveniently portable.	**Advantages |** Strong program compatibility, applicable to a wide range of models; WIFI upgrade; support for reset, detection, rewriting and other multi-functions.	**Advantages |** Strong program compatibility; applicable to a wide range of models; WIFI upgrades; high average efficiency for single reset.

Geehy | **APEXMIC** **Geehy Microelectronics Inc.**