

使用智方便 生活新體驗
iAM Smart *Safe and Swift*



What is “iAM Smart” &
“iAM Smart” Sandbox Programme



智方便
iAM Smart

Agenda



- What is “iAM Smart” & “iAM Smart” Sandbox Programme
- “iAM Smart” Sandbox Programme services
- “iAM Smart” functions
- Registration of “iAM Smart”
- Security design



Disclaimer

The video is intended for preliminary introduction. It shall not be followed as the technical instruction. “iAM Smart” Sandbox Programme would not guarantee the correctness and timeliness of data which could be possibly affected by the modification of development. Development team shall follow the guidelines and policies or enquire to related professionals if any safety apprehension.



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What is “iAM Smart”

“iAM Smart” **mobile app** provides the **one-stop personalised digital services platform**, which enables users to **authenticate their identity using their personal mobile phone as a token**.

“iAM Smart” : **internet Access by Mobile in a Smart way”**

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iAM Smart





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iam Smart

SANDBOX
Programme

What is “iAM Smart” Sandbox Programme

Digital Policy Office (“DPO”) collaborates with Cyberport to implement the **“iAM Smart” Sandbox Programme (Sandbox)** for public and private organisations to **access simulated API** and **integrated testing environments** to build proof-of-concepts using “iAM Smart”.



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How to apply? Online Service Provider complete registration form and submit email to iamsmart@cyberport.hk



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SANDBOX
Programme

“iAM Smart” Sandbox Programme Services



Documentations

Detailed API Specification and User Guide enabling a comprehensive understanding of the potential use of “iAM Smart”



Integrated Test Environment

An end-to-end integration testing platform providing realistic testing environment to ensure launch is seamless and reliable.

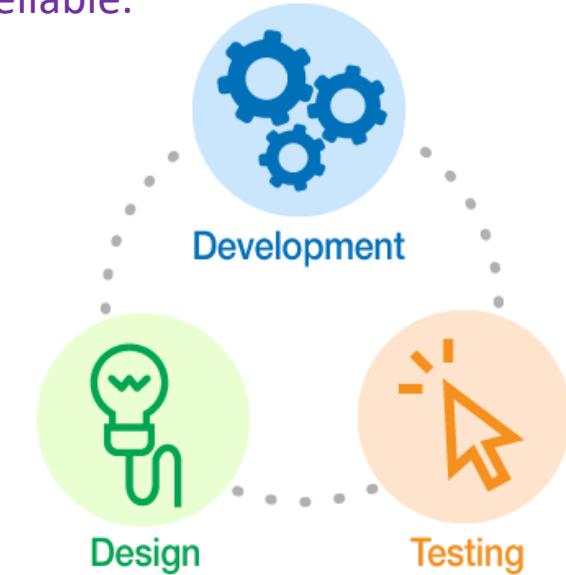


Helpdesk

Efficient and relevant technical support helping to resolve issues and compress time needed for developmental stage.



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"iAM Smart" Functions

01



Authentication

To have a single digital identity that enables simple and secure login to various online services

02



"e-ME" Form Filling

To store personalised data and enjoy the convenience by form-filling automatically

03



Digital Signing

To sign digitally for documents with legal status





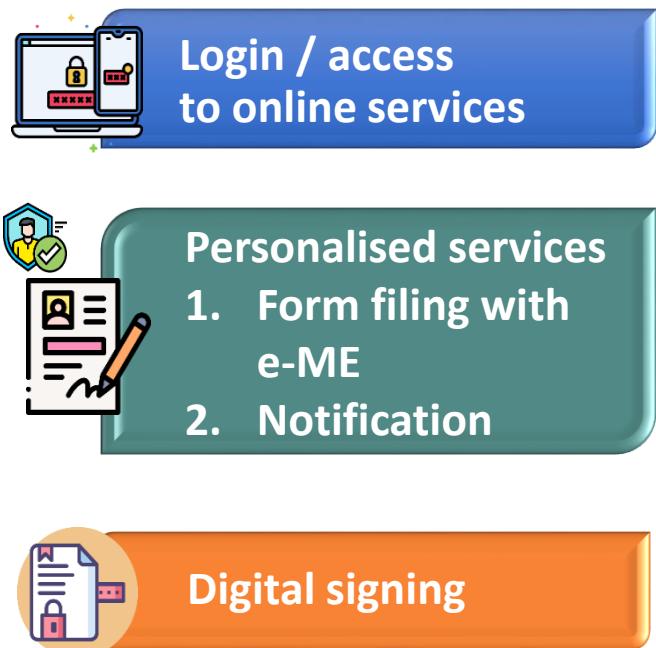
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Two Versions of “iAM Smart”

“iAM Smart” “iAM Smart+”

Online registration from **anywhere**



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“iAM Smart+” Online Registration

Start registration in “iAM Smart” app



1 Take a front-facing photo of new smart HKID card



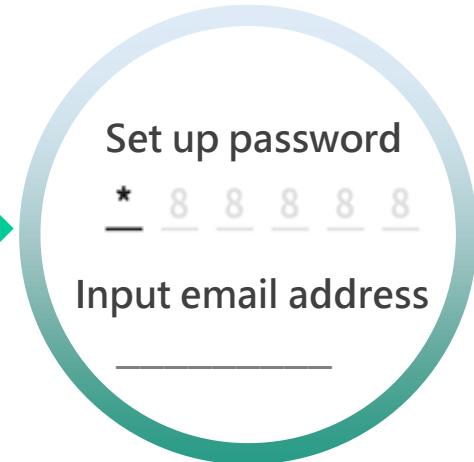
2 Place the HKID card on the NFC sensor of mobile phone

Checking with Immigration Department Record



3 Facial identification

Complete registration



4 Set up password & email address



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Registration via Counters / Mobile Registration Teams

1



Download and install
iAM Smart mobile app

2



Checking with Government
Records



3

HKIC record

ID No.:
Name:
Date of Birth:
Gender:
Date of Issue:

Residential status,
deceased

Checked



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Registration via Self-service Kiosk

1

Download on the
App Store
GET IT ON
Google Play
EXPLORE IT ON
AppGallery

2



3



Checking with Government
Records



4

HKIC record

ID No.:
Name:
Date of Birth:
Gender:
Date of Issue:

Residential status,
deceased

Facial digital profile

Checked

Download and install
“iAM Smart” mobile app
and insert HKIC to read card chip

Scan QR Code with mobile app

Take selfie photo
(with passive liveness detection)

* The selfies of residents taken during registration will be deleted immediately after verification of user's identity.



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Registration Channels	Locations
Mobile App	 Remote, anywhere, anytime
Self-service Kiosks	
Counters Mobile Registration Teams	  Counters in Post Offices  Mobile Registration Teams (Transport Department Licensing Offices, etc.)





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“iAM Smart” Authentication

1st Factor



1 mobile for
1 "iAM Smart"

2nd Factor



Mobile built-in biometric
authentication



Online Service



- ✓ Simple and secure login / access to online services via mobile phone
- ✓ Needless to manage different account names and passwords



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Security by Design – Built in

API interface security including data level encryption, replay attack protection and API signature verification



Biometric Authentication to be used in “iAM Smart” App
- FaceID or TouchID in iOS
- Fingerprint in Android



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Reference **OAuth 2.0 framework** on system design



Adopt **FIDO UAF** to support a passwordless authentication option and was released as an open standard by the FIDO Alliance



Mobile device **ROOT or Jailbreak detection**