



MARKLAND

2026

Portfolio

MARKLAND

Biometric Authentication

All-in-one biometric and ID enrollment kits and tablets for any business, anywhere



Biometric Enrollment Kits

Our industry-leading identity verification technology, combined with the biometric expertise of our team, we bring together all-in-one biometric capture, document authentication, and high-performance data processing into fully integrated, field-deployable systems.

Our biometric enrollment kits are trusted worldwide by governments and organizations for its speed, accuracy, design and power management.

MARKLAND



Turn any space into an ID Registration Center

Identity registration under minutes

Our integrated design enables rapid deployment in **under minutes** and turns any space into a fully functional ID registration center.



Scan
Fingerprint



Scan
Iris



Scan
Document



Take
Photo



Capture
Signature



Print
Receipt



Registration
Complete



Configure Your Own Biometric Kit

Configure a Biometric Kit, tailored to your exact specifications. With our in-house development, we ensure full control over design, performance, and quality.

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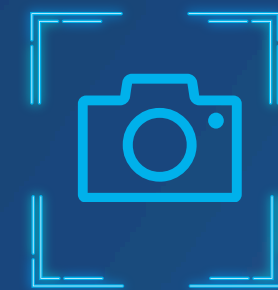
Scan
Fingerprint



Scan
Iris



Scan
Document



Take
Photo



Capture
Signature



Print
Receipt



What makes Markland different ?

MARKLAND



**minute
s**

ID Registration under minutes

Markland's integrated design enables rapid deployment in under minutes and turns any space into a fully functional ID registration center.



<11 kg

Ultra-Compact Design

Ultra-compact cabinet design enables easy hand-carry transportation, rapid deployment in mission-critical environments, and eliminates the need for check-in luggage



Low-power

Low Power Management

Low-power architecture with a swappable 20,000 mAh battery ensures extended operation and seamless battery replacement for uninterrupted field performance.



Complete SDK Support

Comprehensive SDK support for portrait capture and layout deployment accelerates application development and system integration.



Primary Applications

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Elections

We partner with election commissions and governments to deliver end-to-end identity & biometrics solutions. We help register citizens, build reliable databases and use that information to verify voters securely and efficiently.



Census

We help governments to conduct cohesive, efficient and secure census operations by integrating population registries, biometric registration.



Immigrant Registration

We help ministries to strengthen border security and streamline traveler processing by integrating biometric verification, identity intelligence, and secure document management.



i-Ark Mini

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i-Ark Mini is an **ultra-compact** biometric enrollment kit designed for **trusted identity** and **biometrics registration** for any business, anywhere.

From its **IP compliant** rugged case to under **11kg lightweight**, it delivers full workstation performance in a compact, hand-carry form factor.

Its integrated design combines **fingerprint, iris, facial** and **signature** capture, **document** scanning, and mobile power, enabling seamless operation even in remote environments without electricity or connectivity.



Scan Fingerprint



Scan Iris



Scan Document



Take Photo



Capture Signature



Print Receipt



Registration Complete

i-Ark Mini

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i-Ark M06

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i-Ark M06 is a high capacity biometric enrollment kit designed for **trusted identity** and **biometrics** registration at scale, anywhere in the world.

From its **IP compliant** rugged case to compact **16.5kg design**, it delivers full government-grade security in a mobile and transport-ready workstation.

Its integrated design combines **fingerprint, iris, facial and signature capture, document scanning and reader, thermal printer and mobile power**, enabling seamless operation even in remote environments without electricity or connectivity.



Scan
Fingerprint



Scan
Iris



Scan
Document



Take
Photo



Capture
Signature



Print
Receipt



Registration
Complete

i-Ark M06

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Binocular Camera

Document Scanner

Laptop

Battery

Thermal Printer

Passport Reader

4-4-2 Fingerprint Scanner

IC + NFC + QR

Signature Pad

Iris Scanner Module



i-Ark M10

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Our i-Ark tablets integrate advanced biometric and identity verification technologies into lightweight, handheld tablets designed for frontline and mobile deployments.

- **Ultra-thin design**, with a thickness of only 2.6cm
- **FBI-certified 4-4-2** fingerprint scan
- **MRZ** document reading compliant with ICAO 9303
- **Contact smart card** compliant with ISO/IEC 7816
- **NFC** compatibility with ISO/IEC 14443 A/B and ISO 18092
- **QR** code scanning
- Windows or Android OPS
- High-resolution **dual-camera facial imaging**
 - Optional iris module
 - Optional Bluetooth / USB printer integration



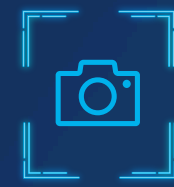
Scan
Fingerprint



Scan
Iris



Scan
QR



Take
Photo



Capture
Signature



Read
NFC



i-Ark M11

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Our i-Ark M11 is a compact and lightweight mobile biometric tablet designed for efficient identity information collection and verification in various field scenarios.

- **FBI-certified optical** fingerprint scan
- **MRZ** document reading compliant with ICAO 9303
- **Contact smart card** compliant with ISO/IEC 7816
- **NFC** compatibility with ISO/IEC 14443 A/B and ISO 18092
- **QR** code scanning
- **5MP rear camera** (optional 16MP)
 - Optional iris module integration
 - Optional Bluetooth / USB printer support
- Android 14 operating system



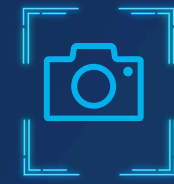
Scan
Fingerprint



Scan
Iris



Scan
QR



Take
Photo



Capture
Signature



Read
NFC



i-Ark M200

Our i-Ark M200 is a high-performance terminal for identity data capture and verification. Designed with ergonomic comfort and intuitive operation, it can be deployed at service counters or used as a mobile handheld device, providing a one-stop digital identity information management solution.

- **FBI-certified optical** fingerprint scanner
- **MRZ** document reading compliant with ICAO 9303
- **Contact smart card** compliant with ISO/IEC 7816
- **NFC** compatibility with ISO/IEC 14443 A/B and ISO 18092
- **QR** code scanning
- **Binocular camera**



Scan
Fingerprint



Scan
QR



Take
Photo



Read
NFC

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MARKLAND

Fingerprint Scanner

Biometric authentication that provides
highest security and identity assurance
for any business, anywhere



Fingerprint Scanner

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We offer comprehensive fingerprint technologies featuring from varying image capture methods, form factors and industry certifications.

Our fingerprint devices capture detailed images of enhance template creation, matching, and are are compliant with an extensive range of biometric standards such FBI.

Whatever your use case, we have a solution to meet your needs.



Key Advantages

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Identity Confirmation

Provides unique biometric data to prevent identity theft & fraud



Ease of Use

Always with you, simple to use, no passwords to remember for ID



Maximum Security

Provides the highest accuracy and cannot be lost, stolen, or shared



Full Compliance

Proof of presence and an audit trail by confirming who did what and when



High Efficiency

Authenticates and accelerates workflows in seconds with one touch



Time & Cost Savings

Eliminates password resets and the need to provision or replace cards/tokens



MFS 501

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4-4-2 fingerprint scanner with FBI FAP 60 compliance

Our MFS501 is a high performance FBI-certificated fingerprint scanner designed for 4-4-2 capture in finance, banking, national ID, and law enforcement applications.

Ultra-Slim Design

94mm height, one of the slimmest four-finger scanners

High-Resolution Imaging

500 DPI $\pm 1\%$, 1600 x 1500 pixel four-finger image

Global Certified

FBI IAFIS Appendix F, ANSI/NIST ITL-1-2007, ISO/IEC 19794-4, FCC/CE



MFS 502

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4-4-2 fingerprint scanner with FBI FAP 60 compliance and smart card reader

Our MFS502 is a high performance FBI-certificated fingerprint scanner designed for 4-4-2 capture in finance, banking, national ID, and law enforcement applications.

High-Resolution Imaging

500 DPI $\pm 1\%$, 1600 x 1500 pixel four-finger image

Contact smart card

Compliant with ISO/IEC 7816

Complete SDK Support

Provide complete SDK

Global Certified

FBI IAFIS Appendix F, ANSI/NIST ITL-1-2007 standards, ISO/IEC 19794-4



MYF 701

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High-performing palmprint scanner with FBI compliance

Our MYF701 is a high-performance FBI-compliant palmprint scanner designed for civil and police live collection in immigration, prison, criminal investigation, defense, finance, and education applications.

Multiple Capture Modes

Support flat palmprint, left/right four fingers, double thumbs, left/right five fingers single finger, and single-finger rolling acquisition

Intelligent Guidance

Support LCD display, buzzer, and voice guidance for step-by-step hand press operation

Complete SDK Support

Provide palmprint image processing, comparison, and image acquisition test program with SDK



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**Identity
Verification**

BRITISH PASSPORT



RESIDENCE PERMIT

**NAME
DOE
JOHN**

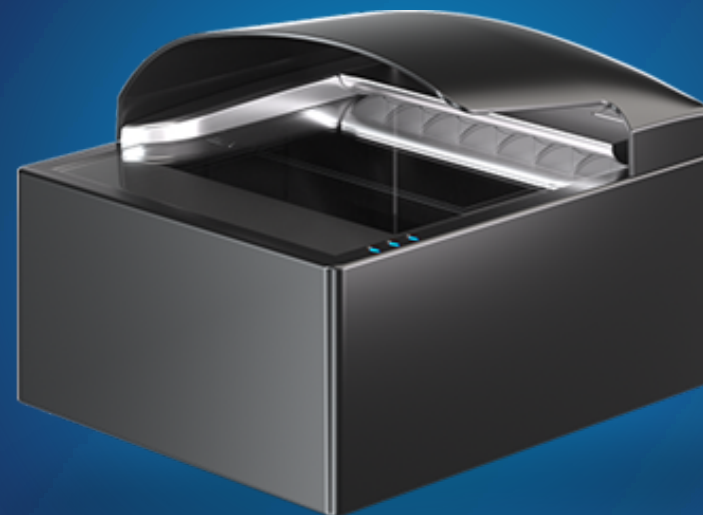
Enable fast, accurate ID verification

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Our identity verification solutions combine document readers & smart card readers and all powered by our advanced Hirsch* chip technology.

From ID document scanning and ticket validation to access control, we streamline operations across industries, including airports, mass transits, event venues, hospitality, and financial institutions.

*formerly known as Identiv



Document Readers



Smart Card Readers



A woman with long brown hair, wearing a yellow long-sleeved top and a brown shoulder bag, is smiling as she interacts with a document reader machine. The machine has a blue panel with a white icon of a person with a wheelchair. The background shows a row of similar machines in a well-lit indoor setting.

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Document Readers

High-performance, fast and secure identity
verification for any business, anywhere

Key Advantages

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High Data Accuracy

Document-specific forensic tests improve data-reading accuracy of ID documents.



Versatility

Options to suit desktop use, kiosks and OEM integration



Durability

Proven to withstand years of frontline public use

Reduce wait times and boost your organization's reputation



Efficiency

Reduce wait times and boost your organization's reputation



High Compliance

Minimize risk with accurate digital records and data capture for audit readiness



Software Integration

Transfer ID document data easily into 3rd party software and systems



MEPR500+

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High-performance full-page passport reader with advanced imaging and RFID

Image Capture

400 to 500 DPI capture in multiple wavelengths – Visible, IR and UV

Contactless Smart Card Reader

High-speed e-Passport chip reading at up to 848 kbps, delivering fast, seamless, tap-and-go verification

Compact & Sleek Design

A streamlined footprint with a 92 × 125 mm scanning window, engineered to fit effortlessly into modern desktop environments

MRZ Reading

Fast, reliable MRZ extraction from passports, ID cards and visas to keep identity workflows moving smoothly.



Full Page ID & Document Readers

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Model		MEPR 100+	MEPR 500	MEPR 500+	MEPR 500+ SCR
Illumination	Visible	✓	✓	✓	✓
	IR	✓	✓	✓	✓
	UV	✓	✓	✓	✓
	Reading Window	125* 92 mm			
Contact Card Reader	×	×	×	600 kpbs	
Contactless Card Reader	848 kpbs	×	848 kpbs	848 kpbs	
Speed	< 2s	< 1s	< 2s	< 2s	
Resolution	400 - 500 DPI				
Anti-glare	✓	✓	✓	✓	
QR Code Reader	×	✓	✓	✓	



M ID-Box

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All-in-one ID & document reader with MRZ, contact & contactless reader, fingerprint scanner and camera

Compact & Robust Design

Ultra-compact 149 × 109 × 50 mm footprint engineered for seamless integration into kiosks, terminals and desktop identity verification setups

MRZ Reading

High-accuracy MRZ reading of national IDs and residence permits

Contactless Reader

High-speed performance at up to 848 kbps

Contact Smart Card Reader

High-speed ISO/IEC 7816 contact reader operating at up to 600 kbps

Fingerprint Scanner

High-quality biometric capture with a 500-DPI optical sensor

Integrated Camera

5-megapixel CMOS camera delivering high-definition real-time photography and video



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Keyboard



MEPR 3000

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Next-generation all-in-one smart keyboard with integrated MRZ, contact & contactless ID reader and QR

MRZ Reading

Reads ICAO 9303 travel documents and verifies chip data with speeds up to 848 kbps

Contact Smart Card Reader

Built-in contact card reader for secure ID and access card verification

Contactless Smart Card Reader

Reads a wide range of contactless cards and e-ID chips for fast, tap-and-go authentication with high-speed 848 kbps

QR Scanner

High-performance scanner that quickly reads all major 1D and 2D barcodes, including QR codes



A person is using a smart card reader at a service counter. The person's hand is holding a smart card over the reader. The background shows a blurred indoor setting, possibly a retail or service environment. The text 'MARKLAND' is visible in the top right corner.

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Smart Card Reader

Smart, secure, and seamless identity verification
for any business, anywhere

Smart Card Reader

Our smart card reader solutions are designed to identify, authenticate, and authorize users with maximum security and efficiency. Whether deployed in government agencies, enterprises, financial institutions, healthcare systems, or mobile environments, our readers ensure trusted access and fast data capture across all applications.

Contact Smart Card Readers

Contactless Smart Card Readers

Mobile Smart Card Readers

Key Advantages

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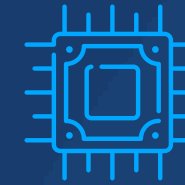
High Data Accuracy

Document-specific forensic tests improve data-reading accuracy of ID documents.



Versatility

Options to suit desktop use, kiosks and OEM integration



Speed

Proven advanced HIRSCH chip technology ensures fast and reliable data transmission



Efficiency

Reduce wait times and boost your organization's reputation



High Compliance

Minimize risk with accurate digital records and data capture for audit readiness



Software Integration

Transfer ID document data easily into 3rd party software and systems



Contact Smart Card Readers

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Secure, high-performance authentication for every application



Model	SCR3310v2.0	uTrust2700R	MCR3521	MCR3508A	MCR3508C
Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)				
Standards	• ISO/IEC 7816 Part 1 to 4 • EMV 2011 Ver 4.3 Level 1 (compliant)				
Speed	• Up to 600 kbps (depending on card) • TA1=97				
Card Types	5V, 3V, and 1.8V; ISO 7816 smart card Class A, B, and C				
Card Size	ID-1				
Connector	USB Type A/B/C	USB Type A	USB Type A	USB Type A	USB Type C



MCR 7001

Ultra-slim all-in-one contactless and QR reader

Sleek & Compact Design

Compact 106 x 72 x 18mm form factor for easy operation in limited-space environments

Contactless Smart Card Reader

Reads a wide range of contactless cards and e-ID chips for fast, tap-and-go authentication with high-speed 848 kbps

QR Scanner

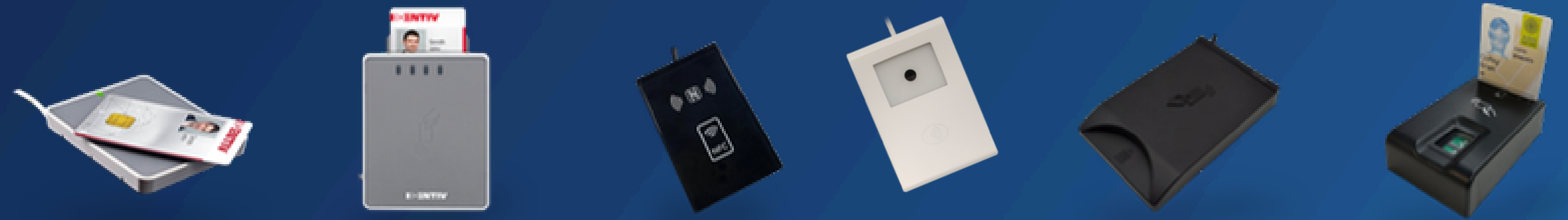
High-performance scanner that quickly reads all major 1D and 2D barcodes, including QR codes

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Contactless Smart Card Readers

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Model	uTrust 3700 F	uTrust 4701 F	MCR553	MCR 7001	MCR2100	MZR02
Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)					
Contact Smart Card Reader	×	√	×	×	√	√
Contactless Smart Card Reader	√	√	√	√	√	√
QR Reader	×	×	×	√	×	×
Fingerprint Scanner	×	×	×	×	×	√
Speed	600 to 848 kbps (depending on card)					
Connector	1.5 m USB Cable with USB Type A Connector					



Mobile Smart Card Readers

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Ultra-compact SIM-size contact smart card reader/writer for secure authentication

SIM-Size Smart Card Reader

Reads and writes ID-000 (SIM-size) contact smart cards for secure authentication and digital identity operations

Ultra-Compact & Portable

A tiny 49 × 18.3 × 13 mm form factor designed for mobility and everyday desktop use

Secure Two-Factor Authentication

Ideal for online banking, corporate access, VPN login, digital signatures and encrypted communications

Fast, Reliable Performance

Delivers fast, reliable operation with a durable sliding contact mechanism rated for 500,000-hour MTBF



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Data Protection

**Information
Security**



Security key - FIDO2

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uTrust FIDO2 NFC Security Keys



FIDO authentication uses standard public key cryptography techniques to provide phishing-resistant authentication.

Hirsch's uTrust FIDO2 NFC Security Keys allow individuals, businesses, and government agencies and contractors to replace passwords with a secure, fast, scalable, cost-effective login solution.

Key Features:

- Reduces the need to remember and type passwords;
- Works with everyday devices, including phones, tablets, laptops, and desktops;
- One device works across all services (e.g., Gmail, Facebook, Salesforce, LinkedIn, etc.)





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OEM & ODM

i-Ark Biometric Enrollment Kit

MARKLAND

📍 Asia & Africa & Western Europe

📅 2024

Solution Delivered

Partnership with system integrators across Asia, Africa and Europe to deliver a tailored i-Ark biometric enrollment kit which is a fully integrated, portable mobile workstation for end-to-end biometric registration

Results

- One-minute setup for immediate field deployment
- Single-operator workflow for full biometric and document processing
- Extended coverage across rural, camp and border locations with higher registration and permit-issuance rates
- Offline and battery-powered operation ensuring uninterrupted data capture
- Over 50% reduction in manpower requirements
- Low-failure, low-maintenance design suited for large-scale African deployments

Operational Impact

- Higher throughput and wider service coverage Reliable performance in low-infrastructure environments Unified mobile workflow replacing legacy fixed-point systems Stronger national-ID and permit-issuance programs through consistent, high-quality biometric data



i-Ark M10

📍 Asia & Eastern Europe

📅 2024

Solution Delivered

i-Ark Pad M10 biometric tablet with 4-4-2 fingerprint capture, optional iris recognition, ICAO9303 passport/MRZ reading, NFC/contactless IC card support with windows operating system.

Results

- Verification time reduced from 8–15 minutes to 1–3 minutes, improving efficiency by 60%–85%
- On-site completion rate increased from 35% to over 80%, eliminating secondary cross-border visits
- Automated data capture reduced manual-entry errors by more than 90%. Field-operation time per officer decreased by 2–3 hours, enabling wider coverage

Operational Impact

- Significant improvement in organizational efficiency
- Strong identity assurance, access control and full audit traceability
- Substantial reduction in IT operations and maintenance costs
- Recognized as a benchmark project for large-scale government smart-card authentication

MARKLAND



MCR 2000P

 Hong Kong

 2013

Solution Delivered

Custom MCR2000P dual smart card reader with PSAM for secure authentication and cross-department identity verification.

Results

Successfully delivered and deployed 12,500 units across all police stations, offices and mission-critical terminals. The solution replaced traditional password-based login and manual identity checks with secure smart-card authentication.

Operational Impact

- Significant improvement in organizational efficiency
- Strong identity assurance, access control and full audit traceability
- Substantial reduction in IT operations and maintenance costs
- Recognized as a benchmark project for large-scale government smart-card authentication

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MCR3512

📍 China

📅 2014

Solution Delivered

Custom MCR3512 contact smart card reader for nationwide SIM lifecycle operations.

Results

Enabled large-scale improvements in remote SIM issuance and activation workflows. Achieved 70% market share with 2 million+ units supplied.

Operational Impact

- Remote SIM issuance efficiency increased 40%+ • Standardized performance across thousands of service centers • Long-term centralized procurement partnership

MARKLAND



M1030 & MCR523

📍 France

📅 2015

Solution Delivered

Custom development of M1030 & MCR523 smart card readers (ISO7816 & ISO14443), engineered for ultra-thin medical tablet integration.

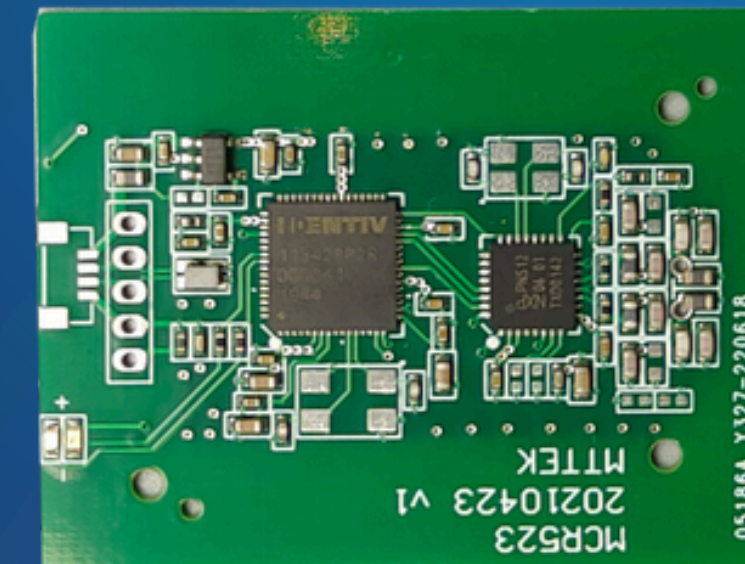
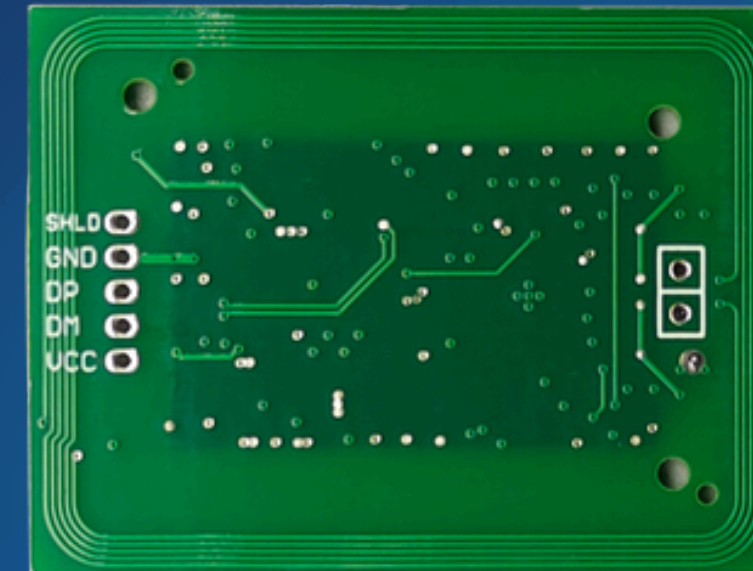
Results

Enabled an exceptionally slim PCB design, allowing dual contact modules to be embedded in a premium medical tablet. We have delivered 100,000+ modules since 2015.

Operational Impact

- Clinical workflow and settlement efficiency improved 45%–60% •
- Dual-card reading (doctor ID + patient card) completed in one step •
- Mobile care case-handling time reduced 40%+ •
- Deployment & maintenance efficiency increased 50%+ •
- Insurance approval rates reached nearly 100%

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Our Company

Building a Tomorrow We Can Trust

We are a leading identity and biometric technology company driven by a clear purpose that encapsulates our vision for the future: **to build a tomorrow that we can trust.**

Founded in Hong Kong, we have grown into a truly international business, operating across five continents with a presence in more than 50 markets. Our cutting-edge technologies support governments and thousand of enterprises worldwide, helping them protect critical systems, verify identities, and simplify services.

The logo for MARKLAND is displayed in a bold, white, sans-serif font. It is positioned in the upper right quadrant of the image, set against a dark blue background that features a network of glowing white icons and arrows. The icons represent human figures, and the arrows indicate connections between them, suggesting a global or interconnected network. The overall aesthetic is futuristic and technological.

Our Company at a Glance

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We are a leading, multi-category company providing identity and biometrics solutions to millions of people worldwide

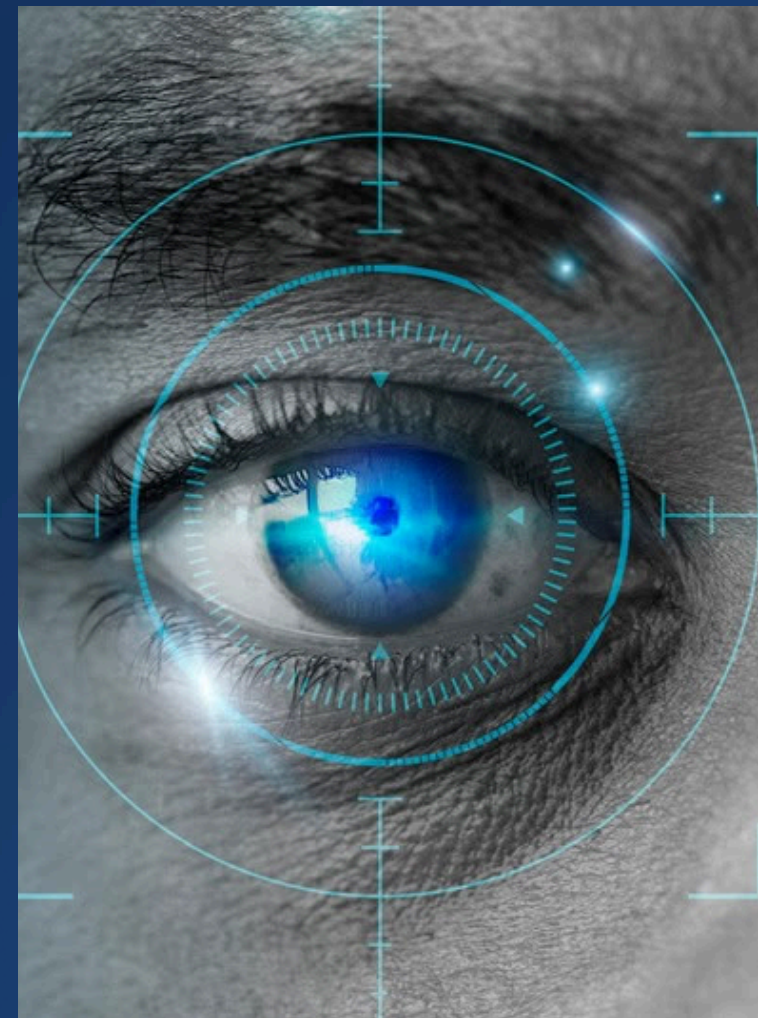
2009
in HK



+ 50
markets



~1,000
organizations



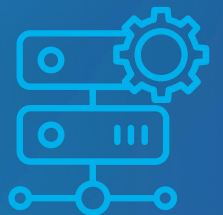
+20
years of deep expertise



37
patents



+200
products developed



Exclusive distributor of HIRSCH in Greater China



What Makes Us Different?

We keep on exploring new ways to push technology further in order to build a future that we can trust.

With decades of expertise and continuous investment, our technologies unlock simpler and safer ways to access, identify, connect, travel and protect what it matters.



Expertise

Powerful solutions based on +20 years of experience.



Advanced Chip

Built on government-grade chip technology.



100% In-house R&D

Enables faster innovation and tailored approach with 37 patents.



Trusted Partnerships

Long-term partnerships with transparency, integrity and trust.



Globally Compliant

Supports all global standards and inspections.



Global Reach, Local Impact

Operates +50 countries while adapting technologies to local regulations.



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