



IRIS ePassport

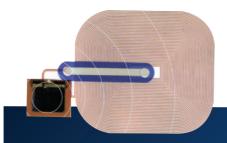
World Class Travel Documents

Our cutting-edge, secure, and globally recognised ePassports provide unmatched protection against identity theft and fraud, ensuring safe and seamless international travel for every citizen.

ePassport Revolution

As a globally accepted travel and identity document, the electronic passport (ePassport) is relied upon by millions of individuals crossing international borders every day. For governments and travellers around the world, the implementation of ePassports has brought with it unprecedented levels of security and convenience. As a leading technology-intensive company, IRIS has pioneered numerous breakthrough identity products and solutions for greater national and trans-border security.







In 1998, we put a chip into the conventional paper passport book. That tiny new ripple sent big waves into the world of secure identification documents. The Malaysian invention went on to become the impetus for the International Civil Aviation Organisation (ICAO) to approve the landmark New Orleans resolution adopting contactless smart card technology in conventional passports.

As a pioneering manufacturer of the ePassport, we are ever mindful of the need for mitigating the mounting and evolving threats of global terrorism, illegal migration, fraud, and cyber crimes. Our job is to supply tamper-evident and fraud-proof ePassports that facilitate highly secure and interoperable identification and authorisation processes as required by governments or border control authorities. We offer a comprehensive range of tamper-evident and forge-resistant components, from eInlays, eCovers to ePages (data page). We continuously enhance the ePassports we produce using the latest technologies. All ePassport components are loaded with best-in-class high security innovations to protect both the book and its data from unauthorised access.





As ePassport technology progresses, we are further evolving the latest generation embedded chip and antenna to enhance security, eliminate data tampering and duplication, and facilitate the monitoring of traveller border crossings with additional biometrics as well as read-write functionality.

High **Security** ePassport

IRIS ePassport books are designed and manufactured to be globally interoperable – booklet with a choice of eInlay, eCover, or ePage of both the document and its bearer. Designed for quick verification and authentication, we focus on providing a secure, durable, and innovative ePassport solution.

We maintain regular communication with the International Civil Aviation Organisation (ICAO), who is set to introduce next-generation Logical Data Structure (LDS 2.0) protocols for the reading and writing of electronic travel stamps, electronic visas, and additional biometric data (post-issuance updates) into ePassport chips.

Our ePassport Components

At IRIS, we are Integraf certified supplier who design and deliver high-quality ePassport components that meet the most stringent international standards for security, performance, and durability. Each component is precisely engineered to integrate seamlessly, offering strong resistance to tampering and reliable functionality throughout the passport's lifespan.

From the robust **eCover** to the high-performance **eInlay** and secure, customisable **ePage**, our solutions ensure dependable operation while reflecting national identity through thoughtful design and innovation.



IRIS eCover

Our ICAO 9303 compliant eCovers feature superior, smooth and flat finishing for our ePassport books which are renowned for their durability and dependable service life.

IRIS eCovers demonstrate high bond strength and adhesion with proven resistance to delamination. The antenna and contactless chip are securely embedded and bonded with high strength adhesives between layers of laminate materials.



IRIS eInlay

We manufacture high quality, reliable, ICAO 9303 compliant eInlays with excellent electrical performance for our long service life ePassport books.

Both the antenna and contactless chip are embedded within layers of durable, synthethic paper and polyethylene terephthalate (PET) to produce ultra smooth, thin and flexible elnlays.

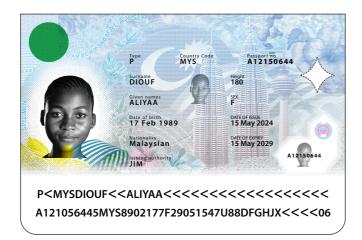


IRIS Data Page

Our laser-ready polycarbonate (PC) passport data pages are available with and also without embedded chip and antenna.

Besides being artistically designed and customised to present and reflect a country's cultural symbols and national values, the data page also features an array of innovative security features to prevent counterfeiting and tampering.

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POLYCARBONATE (PC)
HIGH SECURITY DATA PAGE WITH CHIP

This possport contains 34 pages
##RisecurePassport

FRONT

BACK

Engineered for trust,
IRIS ePassports blend
advanced security inks,
intricate graphics, and
ICAO-compliant
features—as secure as
they are sovereign.



Positive Variable Size Text



Duplex Pattern



Guilloche (Positive/Negative)



Taggant Ink



Negative Microtext



Invisible Reactive Ink (IR)



Aura Pattern



Multicolor Positive Microtext



Special Screening



Transparent Window



Lenticular



Multiple Laser Image (MLI)



Multicolor Guilloche (Positive/Negative)



Infrared Transparent Ink (IRT K)



Optical Variable Ink (OVI)



Thermochromic Ink



Iridescent Ink



Negative Deliberate Microtext Error



Anticopy



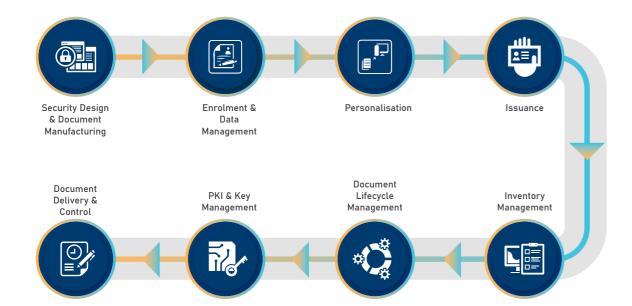
Relief with Line Width Modulation Printed in Rainbow Colour (3 in 1 Security Features)



Invisible Constant Image (ICI)

At IRIS, our professional and experienced designers use the latest software and technology to create highly secure and distinctive designs to suit the unique requirements of individual clients with a choice of overt, covert or forensic security elements. We can offer more than 35 security element options combined with high quality materials to guarantee the production of highly secure and durable ePassports as well as to combat specific threats.

We offer **bespoke end-to-end solutions** for secure ePassports



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Transforming Ideas into Reality: From Design Concept to Passport Production

We collaborate with governments to navigate the intricate journey of transforming innovative passport design concepts into secure, tangible realities. Leveraging cutting-edge techniques and robust processes, we create passports that safeguard national identity while reflecting cultural heritage.

Our production process incorporates advanced security features to ensure document integrity and protect against fraud. Visa pages are designed with intricate, customer-defined symbols and printed using high-security inks, making them highly resistant to counterfeiting and fraudulent alterations. From conceptualisation to manufacturing, we prioritise the integration of modern security elements that uphold the trust and confidence placed in national identity documents.



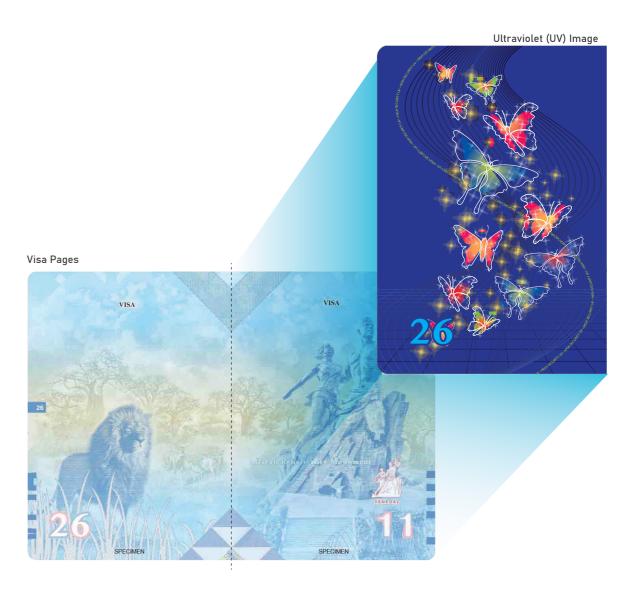


Inner Cover Pages

Global Expertise You Can Rely On

As a solution architect, service provider, innovator, inventor and manufacturer, we collaborate with governments, businesses and industries from more than 34 countries across the globe providing award-winning solutions to meet their identification, verification and authentication needs.





Key Advantages of IRIS ePassport Solution

Complete end-to-end integrated ePassport system.	Robust and secure infrastructure, from enrolment to document delivery & control.	Rapid ePassport production & implementation in less than 4 months.
Ability to select security feature application according to the ICAO 9303 recommendations.	Optimal use of proven technology already in use in similar secure documents since 1998.	Availability of symmetric key technology guarantees the security of blank ePassports and data transmission.
Availability of digital signature to mitigate risk of chip data tampering.	Adoption of the Public Key Infrastructure (PKI) technology to prevent ePassport cloning.	Certified by Intergraf for security printing (ISO 14298) and as trusted security supplier (CWA 15374).

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Our Secure Solutions

We offer comprehensive, sustainable, highly adaptive, and customisable Trusted Identification software and solutions that are built on secure platforms and architecture. Our proven solutions unify security, inventory, workflow, and lifecycle requirements while managing enrolment, production, issuance of physical, electronic and digital documents such as identity cards, ePassports, driver's licenses, voter cards, travel visas and many more.





Why IRIS?

We are a globally recognised technology-driven company with dual-certifications for Intergraf's global security printer and security supplier. Our experience of more than 30 years has allowed us to pioneer numerous break-through identity products and solutions for greater national and trans-border security. Backed by a committed team of innovators, IRIS invented the world's first ePassport in 1998 and the world's first multi-application National ID card in 2001. Our Innovative, Relevant, Intelligent, and Secure identification solutions span the globe, covering smart card manufacturing, secure travel documents, authentication devices, and end-to-end identity management. Over the years, we have expanded our global footprint to over 34 countries and we will continually increase our customer base while widening our international presence in diverse markets. By embracing cutting-edge technologies like AI and Post-Quantum Cryptography, we enhance automation, fortify security, and ensure resilience against evolving digital threats—delivering sustainable, future-proof identity solutions for an increasingly digital world.











CERTIFIED TO ISO 14001: 201 CERT. NO.: EMS 00923



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