



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.



World's First ePassport

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 to mitigate 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 polycarbonate (PC) data pages.

We continuously enhance the ePassports we produce using the latest technologies, with all components loaded with best-in-class high security innovations to protect both the book and its data from unauthorised access. This protection is further strengthened by integrated cybersecurity services, including vulnerability testing, advanced threat simulations, and 24/7 monitoring, ensuring layered security across issuance, usage, and global interoperability.



Cutting-edge Technology

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.

Future-Ready ePassport

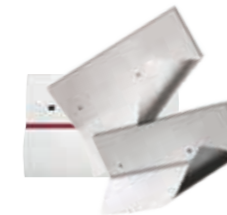
As an Integraf-certified security printer and supplier, IRIS engineers ePassport solutions for global interoperability, robust security, and rapid authentication. Our sustainable, future-ready components—eCover, eInlay, and PC Data Page—meet the most stringent international standards for security, performance, and durability. Each is precisely engineered for seamless integration, offering robust tamper resistance and reliable functionality throughout the passport's lifespan, while reflecting national identity through thoughtful design and innovation.

Fully compliant with ICAO standards, IRIS ePassports support next-generation capabilities including LDS 2.0 with electronic visas, digital travel stamps, post-issuance biometric updates, and Digital Travel Credentials (DTC).



IRIS eCover

Our eCovers feature a smooth, flat finish designed for durability and extended service life. The antenna and contactless chip are securely embedded within laminated layers, ensuring strong bonding, resistance to delamination, and reliable performance.



IRIS eInlay

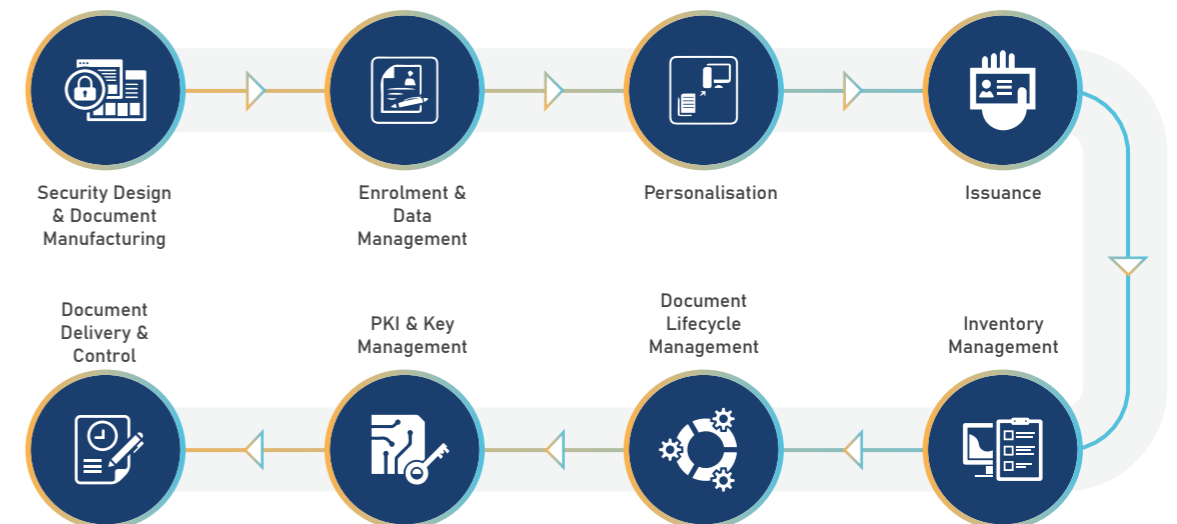
Our eInlays deliver high reliability and excellent electrical performance for long-life ePassport books. The antenna and contactless chip are embedded within durable materials, creating thin, smooth, and flexible inlays.



IRIS Data Page

Our laser-ready polycarbonate (PC) data pages are available with or without embedded chip and antenna. Designed to reflect national identity and cultural elements, they incorporate advanced security features to protect against counterfeiting and tampering.

Bespoke end-to-end ePassport solutions



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

Invisible Watermark with IRT ink



Optical Variable Ink (OVI)



Thermochromic Ink



UltraViolet Ink (UV)



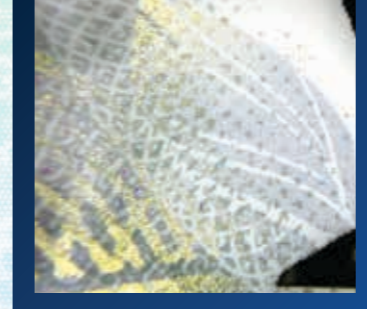
Tactile



Multicolour Positive Microtext



DOVID



Anticopy



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 40 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.

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.

From conceptualisation to manufacturing, we prioritise the integration of modern security elements that uphold the trust and confidence placed in national identity documents. Our end-to-end production process incorporates advanced security features to deliver ICAO-compliant travel documents that uphold global trust and ensure maximum integrity.



Book Cover



Inner Cover Pages

Visa Pages



Ultraviolet (UV) Image



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 35 countries across the globe providing award-winning solutions to meet their identification, verification and authentication needs.



Republic of Solomon Islands

Elevating border security with end-to-end ePassport and automated eGate solutions.



Republic of Guinea

Enabling West African mobility with ECOWAS-compliant biometric ePassport solutions.



Republic of Senegal

Delivering secure biometric ePassport solutions for enhanced border management.



Republic of India

Supplying high-security electronic inlays for next-generation ePassports.

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.

Comprehensive cybersecurity with proactive testing, advanced simulations, and 24/7 monitoring.

Optimal use of proven technology already in use in similar secure documents since 1998.

Up-to-date hybrid security models for layered defenses across the entire lifecycle of the passport.

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 (Intergraf 15374).

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 35 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.



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