

Polycarbonate e-ID Cards



LAMINATED POLYCARBONATE E-ID CARD FOR SECURE GOVERNMENT-TO-CITIZEN ID APPLICATIONS

- **High Security** – for national e-ID cards, healthcare/welfare cards, driver licenses, resident permits and other government ID programs.
- **Durable** – ensures document resiliency up to ten years or longer.
- **Reliable** – proven antenna design ensures optimum chip performance.
- **Compliant** – meets or exceeds ISO and ICAO specifications and standards.

Standard Polycarbonate e-ID Card

Government agencies are increasingly focused on improving the security of their most important Citizen ID programs – from national e-ID cards to healthcare cards, driver licenses and permanent/foreign resident cards. To reduce ID fraud, counterfeiting and theft; governments are opting for such sophisticated solutions as HID Global’s polycarbonate e-ID cards, which conform to the latest ICAO and ISO standards.

HID Global’s contactless polycarbonate e-ID cards combine the company’s e-prelaminated inlays with a variety of effective security features to provide the highest level of protection against counterfeiting. In addition, the polycarbonate card surface can be securely personalized according to an organization’s specific requirements, whether that involves professional printing, chip encoding or both. Cards are also available with multiple security features

such as laser engraving, offset/rainbow printing, optical variable Ink, microline/microtext and more.

Enhanced Polycarbonate e-ID Card

HID Global’s patented crack prevention feature and multilayer polycarbonate are used in the enhanced version of the polycarbonate e-ID card in order to extend its reliability and durability. These cards exceed market standard requirements.

Polycarbonate, due to its unique properties, has won the trust of governments as the material of choice for durability and tamper resistance. HID Global’s unique crack prevention feature optimizes the reliability and durability of smart cards and e-Passport datapages by enabling governments to leverage the advantages of smart card technology on a polycarbonate platform and protect their investment by extending the life of the credential.

Benefits of Polycarbonate

- Extreme robustness, flexibility and strength
- Supports the very high quality optical features of high security printing
- Highly durable
- Strong tamper resistant characteristics
- HID Global’s industry-leading proven anti-crack process protects the chip and the structural integrity of the polycarbonate credential, while conforming to international standards

SPECIFICATIONS

TECHNOLOGY HIGHLIGHTS:

- Durable polycarbonate card
- Broad range of integrated circuits available
- Performance-tested for durability
- Compliant with ISO/IEC 10373 and ICAO 9303



e-ID Cards

Application	Complete laminated contactless card suitable for all Government ID applications: National e-ID, Corporate e-ID, Healthcare/Welfare Card, Driver License and Resident Permit	
Product Reference	HID standard PC e-ID card	HID enhanced PC e-ID card
Description	Polycarbonate e-ID card that meet market standard requirements	Polycarbonate e-ID card that exceed market standard requirements
Operating Frequency	13.56 MHz	
Material	Multilayer polycarbonate	Multilayer polycarbonate and Inlay made using crack prevention solution to extend the lifespan of the card
e-Prelaminate Used	HID Global standard PC e-Prelaminate	HID Global enhanced PC e-Prelaminate
Chip Type	Available with a choice of contactless e-ID ICs from leading chip suppliers based on customer requirements	
Antenna	Standard ID1 (ISO standard 7816), other antenna designs developed upon request	
Operating System	ICAO conforming OS according to customer preference	
Dimension	86 mm x 54 mm (ID-1)	
Thickness	760 µm ± 80 µm (ID-1)	
Card Options	Magnetic stripe Signature panel Contact module	
Security Features Available	Offset/rainbow printing Guilloche UV/IR printing Microline/microtext Optical variable Ink Hidden image Embedded hologram MLI/CLI Surface relief positive and negative Security watermark Sequential serial numbering	
Storage Condition	Recommended temperature: +10° - +30° C Recommended humidity: 40 - 60% relative humidity (in original HID package)	
Certifications	ICAO conforming OS according to customer preference/ISO 9001:2008 certifications for the manufacturing sites	
Compliance	Compliant to the relevant ISO norms and standards; FIPS 201 certification is in process	

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