

BUNDESDRUCKEREI SYSTEM PORTFOLIO



www.bundesdruckerei.de

► Applications

- Travel document within EU member states
- ID document (eID) for authentication in eBusiness and eGovernment applications
- Electronic signature (eSign, advanced or qualified electronic signature) for legally binding business transactions

► Advantages

- Highly forge-proof thanks to the integration of the latest security technologies
- High durability and resistance thanks to specifically matched materials and components
- Flexible options for features to meet with the desired level of security
- High interoperability with legacy infrastructures

► Properties

- Material, design and security features
 - Durable polycarbonate, multi-layer design with secured print design and security features integrated into the card body
 - Security design and printing (rainbow, guilloches, microlettering ...)
 - High-quality optical security features with copy and scan protection (integrated Kinegram, OVI, CLI, UV background printing)
 - Highly forge-proof, laser personalisation in the card body (with tactile elements and elements that vary depending on the viewing angle)
- Chip and eID functions
 - ID-1 card with contactless/contact chip module (cryptoprocessor) for electronic storage of personal data and biometric features
 - Chip OS according to ISO/IEC 7816, contactless interface according to ISO/IEC 14443
 - Applications – compliant with CEN/TS 15480 European Citizen Card (ECC)
 - ePassport application pursuant to ICAO requirements
 - eSign application pursuant to EU Directives
- Protection methods supported
 - BAC, EAC, Passive Authentication, Elliptic Curve Cryptography (ECC), RSA, Terminal Authentication (TA) with authorisation certificates, Chip Authentication (CA)
- Standards
 - Compliant with international guidelines (ICAO, EU)
 - Active involvement on the part of Bundesdruckerei in the development of standards through participation in the relevant committees