ESSENTIAL SOLUTIONS FOR PROTECTING BORDERS & SERVING CITIZENS

Entrust Datacard™

ELEVATING TRUST & SECURITY IN CRITICAL GOVERNMENT ECOSYSTEMS

Governments face challenges and change everywhere: at their borders, in their e-Gov programs and at access points throughout their secure ecosystems. At Entrust Datacard, our decades of experience and industry-leading expertise give us a firm understanding of these challenges and allow us to develop trusted identity and secure transaction solutions to solve them.

We partner with governments around the world in mission-critical applications:

Deployed solutions in 18 of the top 20 e-Gov programs

400+ worldwide deployments in government identity programs

Daily issuance of 10M+ credentials, 5M+ smart cards and 165K+ passports

Every day, our solutions enable national and regional governments to protect citizens, secure borders and improve service levels — all while mitigating risk and controlling costs.

BORDER CONTROL

Securely & efficiently moving people across borders

With more than a billion people moving across international borders annually, governments require solutions that quickly and accurately identify individuals. Entrust Datacard™ solutions offer citizens the convenience of fast, efficient border crossings — and provide governments with a secure and scalable trust infrastructure that helps fight crime, terrorism and other security threats.

WHAT IS DRIVING OUR SOLUTIONS?

Our close partnership with government agencies and heavy participation in industry standards bodies gives us deep insights into the forces changing the government landscape.

Record-High Migration & Tourism
1B+ International Tourists Annually

Increasingly Sophisticated Threats
43% increase in Terrorism in 2013
78% increase in Cybercrime since 2009

E-GOV PROGRAMS

Efficient, accurate & cost-effective service delivery

Effective e-Gov programs must offer citizens personalized convenience and anywhere-anytime access to services. Governments require solutions that meet these citizen expectations, while reducing the high costs of erroneous and fraudulent benefits distribution, and enhancing cost-effective operations.

SECURE CREDENTIALS

Everything you need for secure citizen credentials

Putting trusted credentials in the hands of citizens is a key component of creating a secure government ecosystem. Whether it is passports, driver's licenses, benefits IDs or national IDs, governments require issuance solutions that minimize costs, simplify credential management and ensure security for government agencies and the citizens they serve.

Explosion of Mobile Connectivity
2014: 1.5B Smartphones
2017: 10B Smartphones

Emerging Economies
60% of the world's population lacks government-issued credentials

**Growing Cost of Benefits Disbursement**
8.4% of Global GDP spent on Citizen Benefits

THE UNDERLYING TECHNOLOGIES OF SECURITY & TRUST

The Entrust Datacard™ portfolio brings together trusted software, reliable hardware and expert services to create solutions that enable complex government ecosystems.

Our commitment to research and development allows Entrust Datacard to continually expand our portfolio with new solutions to meet the evolving needs of governments and citizens.

This ongoing investment in innovation makes Entrust Datacard a valuable partner to governments, ensuring a protected investment that will continue to deliver results as challenges evolve. You can deploy our solutions confidently, knowing that they are scalable for future needs — and proven in hundreds of government applications worldwide.
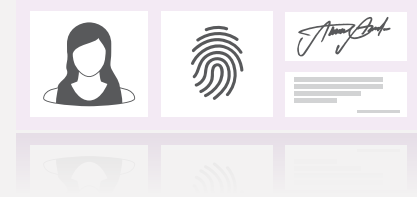
IDENTITY ENROLLMENT

Photo, Biometric
and Data Capture

Vetting and
Adjudication Workflows

Standards-Based
Credential Workflows

Role-Based Access and Security

KEY TECHNOLOGIES

Entrust Datacard solutions feature a multi-layered approach, leveraging the most advanced technologies to ensure trusted security in every environment.

Public Key Infrastructure (PKI)
Secure infrastructure for connecting trusted identities with access credentials.

Authentication
Trusted identification protocol for individuals and entities to manage access to networks and digital resources.

CREDENTIAL ISSUANCE & MANAGEMENT

High-Volume Credential Issuance

Desktop Credential Issuance

Mobile Smart Credential

Lifecycle Management Software

Mobile Device Certificates

APIs & SDKs

Security & Durability Laminates

AUTHENTICATION SIGNING & ENCRYPTION

Key & Certificate Lifecycle Management

Document Signing

Identity & Document Validation

Chip Content Validation (BAC)

Authenticated Chip Access (EAC)

Authentication Platform

Identity Federation

Transaction Signing

Digital Certificates
Encrypted electronic passports that enable the secure online exchange of information using the public key infrastructure (PKI).

SSL
Secure Socket Layer (SSL) creates a secure internet connection, protecting the online transmission of secure data.

Secure Laminates
An extra protective layer for physical ID cards that provides vital protection against tampering and counterfeiting.

Laser Engraving
Makes fraudulent alteration of ID cards extremely difficult — unable to scratch, peel or otherwise remove.

BUILDING YOUR TRUST ECOSYSTEM

BORDER CONTROL ECOSYSTEM

Every government agency either has or will soon build a digital trust ecosystem: a secure network that connects agencies, countries, key processes and services. Protecting and managing borders requires building a border control ecosystem that integrates simplified citizen enrollment in a trusted identity program, secure issuance of robust credentials, and reliable, efficient validation of credentials at physical and logical borders.

Governments of every size around the globe leverage Entrust Datacard™ technologies as the core of their secure border control ecosystems. This unmatched experience gives Entrust Datacard the unique expertise to understand the evolving challenges to these ecosystems, to anticipate future needs, and to develop and adapt our solutions to allow governments to maintain secure and efficient border management in a rapidly changing world.

CITIZEN ENROLLMENT

Photo, biometric, data capture
Adjudication against authorized databases
Central or remote workflow options

TRUSTED IDENTITY

CREDENTIAL ISSUANCE

Data preparation for document production
Central or distributed issuance models
Documents delivered in person or by mail

CREDENTIAL USE AT BORD

Manage keys & certificates
Validate integrity and authenticity of credential
Validate identity of the holder

KEY ECOSYSTEM ELEMENTS

Entrust Datacard provides a wide range of hardware and software that plays critical roles in creating a digital trust ecosystem for protecting borders.

Secura™

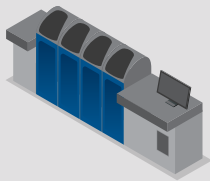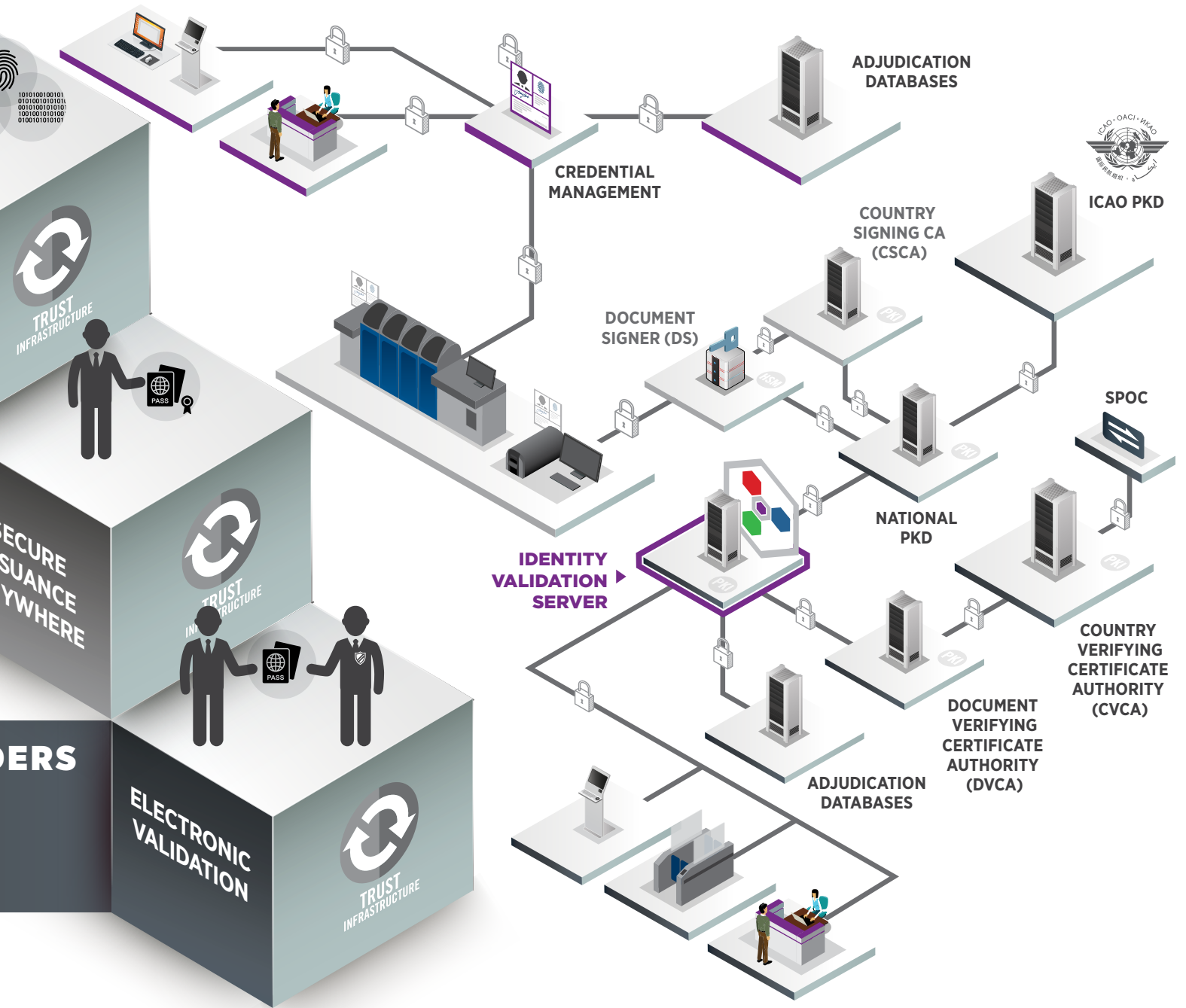**Datacard® Secura™ Credential Lifecycle Management Software**
An enterprise-class credential issuance and management platform.

Datacard PB500 Passport Printer
Desktop passport printer for distributed and instant issuance.

ADJUDICATION
DATABASES

CREDENTIAL
MANAGEMENT

COUNTRY
SIGNING CA
(CSCA)

ICAO PKD

DOCUMENT
SIGNER (DS)

SPOC

IDENTITY
VALIDATION ▶
SERVER

NATIONAL
PKD

COUNTRY
VERIFYING
CERTIFICATE
AUTHORITY
(CVCA)

DOCUMENT
VERIFYING
CERTIFICATE
AUTHORITY
(DVCA)

ADJUDICATION
DATABASES

TRUST
INFRASTRUCTURE

SECURE
ISSUANCE
ANYWHERE

TRUST
INFRASTRUCTURE

DERS

ELECTRONIC
VALIDATION

TRUST
INFRASTRUCTURE

PASS

PASS

Datacard PB6500 Passport Issuance System

High-volume passport system for centralized issuance.

Entrust Authority ePassport PKI

Supports Country Signing (BAC) and Country Verifying (EACv2) issuance, validation, and ICAO PKD Integration.
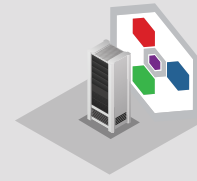
Entrust Authority Borders Identity Validation

Automates certificate distribution supporting comprehensive validation for 1st and 2nd Generation ePassports at Border Control.

ABOUT ENTRUST DATACARD CORPORATION

Consumers, citizens and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-Gov services or logging onto corporate networks. Entrust Datacard offers the trusted identity and secure transaction technologies that make those experiences reliable and secure. Our solutions range from the physical world of financial cards, passports and ID cards to the digital realm of authentication, identity and secure communications. Entrust Datacard's expertise and experience spans the globe, with more than 2,000 Entrust Datacard employees serving customers in 150 countries worldwide. For more information, visit www.entrustdatacard.com.

400+ Deployments **IN 100+** Countries

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