



## SETECS, Inc. *Internet Security Technologies*

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### **SETECS OneCARD™** Universal Smart Cards System

#### **Description**

*OneCARD™* is a middleware system supporting transparently multiple types of smart cards, including secret-key cryptography cards, public-key cryptography cards, file system cards, and Java smart cards. The system provides smart cards administration and multiple smart card applications (applets), it supports multiple security enhanced applications and it is integrated with SETECS OneMAN™ and OnePKI™ products.

#### **Components**

1. Smart card administration system (issuing, updating and revocation of smart cards);
2. Several internal smart card security applications based on US Government (GSA and DoD) specifications – identification/authentication, secret-key and public-key crypto;
3. Smart cards platform for multiple file system cards and smart card readers, based on ISO 7816 APDUs, Javacard framework, and Open Card Framework (OCF);
4. Secure applications using Java smart cards based on GSA and OCF specifications.

#### **Distinguished Features**

- The system is based on all relevant smart card standards (ISO 7816, OCF, Javacard framework, GSA/DoD CAC – Common Access Card);
- The system transparently supports multiple readers and smart cards through 7816 APDUs, OCF, and GSA/DoD CAC basic smart card services interfaces;
- The system supports multiple smart card applications (secure identification and authentication, local and remote login, credit card and debit card payments, stored money transactions, loyalty and ticketing transactions, medical applications, etc);
- Integrated with *OnePKI™* and *OneNET™* so smart card stores multiple X.509 v3 certificates.

#### **Potential Market and Customers**

Primary markets for this product are banks and other financial institutions (credit/debit cards based on smart cards) and Government agencies for strong security applications. Secondary markets are various public services organizations and corporate customers.

#### **Competitors and Competitive Advantages**

There are no equivalent products on the market. All existing products are based on proprietary solutions and usually support single smart card application.

#### **Additional Properties**

Because of multiple certificates stored in the card, multiple issuers may issue the cards simultaneously, they support multiple smart card applications and may be conveniently used in mobile environments.

#### **About SETECS**

SETECS, Inc. develops and licenses Internet security technology products for *Web services* and *mobile applications*. SETECS unique standards based solutions provide simultaneously *protection of network resources* and *trust in network transactions and applications*, effectively eliminating today's most serious and damaging Internet threats such as viruses, spam, hackers, insiders' threats, and intrusions.