IDCore

Flexible, Trusted Open Platform

An increasing number of businesses and government agencies are coming to the realization that single authentication solutions using simple user names and passwords are not enough to keep today's cyber criminals at bay. And even though implementing stronger password solutions are better, they are simply not enough. Requiring long, cumbersome passwords with multiple characters, letters and numbers, typically results in users writing down their passwords and placing them near their computer. Scary to think the walls of an entire network could crumble because of what was jotted down on a single sticky note.

Strong authentication, combining something you know (PIN) with something you have (smart card or token) is the best method to ensure your networks are protected and cannot be compromised by the actions of a careless user. Gemalto, the world leader in digital security, offers a wide array of strong authentication solutions to help address this critical issue.

IDCore is a flexible open platform solution that can be easily customized to fit into any corporate or public sector environment. With a full range of multi-purpose smart cards, IDCore solutions support applications such as logical and physical access, PKI services and digital transactions and are available in credit card or USB key form factors for maximum use case support.

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INTEGRATE PHYSICAL & LOGICAL ACCESS CONTROL

IDCore smart cards are a flexible platform give you the option to combine contact and contactless technologies so the same card can be used for access to both physical facilities and logical information assets throughout the organization. These hybrid cards use separate chips to control the contact and contactless interfaces which makes integrating legacy applications straightforward and efficient. It can be integrated with contactless technologies such as Mifare, DESFire, Legic Advant and HID Prox / Indala / iClass. In addition, this open platform can be customized to provides dual functionality to manage both contact and contactless interfaces and associated applications with a single chip.

No compromise on security

IDCore smart cards using a Java Operating System incorporate advanced microcontrollers with strong security certification. The IDCore Java Card OSwas developed by an industry-leading security team that designed it to implement counter measures against various threats, including side channel, invasive, advanced fault, and other types of attacks. The IDCore Java Card OS meets the industry's most stringent security certifications, such as FIPS 140-2 level 3, FIPS 201, and CC EAL4+ / PP SSCD.

Modular and flexible architecture

IDCore solutions are easy and fast to update through an open OS architecture that separates the platform from the application. This partitioning also reduces migration constraints, even after initial card issuance. Compliant applications can be loaded and cards that are compatible with existing ones can be produced quickly. Java Card technology offers fast deployment cycles for application development with rapid prototyping and implementation.

No long and expensive re-masking is necessary; new applets are simply loaded in the Java Card memory. In addition, this technology enables various business models between issuer, application providers and operators, thanks to multiple security domains and dynamic application partitioning. The IDCore's virtual machine has been highly optimized to maximize software performance without compromising security. Combined with the latest generation of high performance microcontrollers, it provides one of the fastest Java Open Platforms available.

About Gemalto's SafeNet Identity and Data Protection Solutions

Through its acquisition of SafeNet, Gemalto offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of data, digital identities, payments and transactions – from the edge to the core.

Gemalto's newly expanded portfolio of SafeNet Identity and Data Protection solutions enables enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters.

Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation in order to protect customer trust in an increasingly digital world.

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