

Smart Card Solutions

Secure

authentication and trusted identity

delivering assurance and efficiency to every sector with CardOS®



Your business technologists. Powering progress

Atos

Delivering certainty through technology

Smart Cards are fast becoming the basis of many security solutions. Atos Smart Cards are now being used by public authorities, businesses and institutions. Through our leading CardOS® solutions, we give you Smart Cards that guarantee identity and control access, and make you more efficient for business, customers and people.

Flexibility, speed and security need to go hand in hand within today's business and decision-making environment. It's no longer an option to have fixed, static and slow-moving security procedures that prevent business flowing - but security is even more critical than ever. Smart Cards provide businesses and organizations the best fit: speed and ease of employee movement, together with real-time visibility and control.

In an environment where Smart Cards are becoming increasingly relied upon, the quality and delivery of these solutions is paramount. Atos is a Smart Card specialist, as well as our position as Europe's leading IT services company. Our Smart Cards are designed and delivered to achieve the highest standards and meet Common Criteria EAL 4+ certification. We're highly experienced in meeting the most demanding security needs through Smart Card infrastructures that give you absolute security, reliability and peace-of-mind. And that's all backed up by our experience, know-how and complete range of IT services.

Whatever sector you're in, and whatever your security, access and identity needs, our Smart Cards, driven by our CardOS solution, provide you with complete security.

Smart Cards in the public sector

Delivering security for authorities and citizens

Covering everything from border controls to tax or even voting, Smart Card solutions from Atos perfectly combine efficiency and security - critical benchmarks for a pressured public sector.

Photographic and biometric data is brought together in our Smart Card to create visually and electronically personalized identification - a secure passport or ID card. This means that identity checks, vehicle checks and at borders, people can be identified easily, reliably and risk of fraud is reduced. Our CardOS solution allows citizens, using electronic identification and digital signatures to complete a lot of their own 'administration' from tax to voting, as self-service, online. This both simplifies procedures and reduces associated paper and admin costs.

CardOS, combined with our other security solutions, enables greater efficiency, smooth delivery of service, and complete security.

Smart Cards in health

Giving you confidentiality, speed and cost-efficiency

CardOS provides enormous flexibility and assurance for the health sector, particularly in terms of frontline care and patient management. Smart Cards can be used to check patients' insurance status, ensure the identity of health professionals, and access patient information securely - with one card. This guarantees 'joined-up' care, transparent working and diagnostics. It also removes delays and costs for elements such as physical file archiving.

Smart Cards also allow remote working and cross-agency collaboration as never before. Colleagues can access material through secure VPNs. Prescriptions can be sent securely, and all reports are electronically signed, encrypted and sent, with enormous benefits in terms of assurance and speed.

Atos: experts in every sector

While we are leading experts in security processes and technology, we also bring deep understanding of wider business processes to your security. Our experience covers every sector of business from top to bottom - and we use this to create truly unique, robust security, whatever your needs. That experience and insight of demanding public sector, health, civil and military security, as well as information and communication security, makes us your ideal partner.



Smart Cards in business

Providing productivity and security for organizations and employees

Smooth, productive working and controlled access are critical to quick, secure business activity. Using our Smart Cards powered by CardOS, employees can swiftly access locations such as car parks and offices, their movement tracked and enabled. The same card can let workers log into their computers and access the applications and data they are individually authorized to use. Workers can deliver materials more effectively - for instance, quotes, created by them and digitally signed and authorized before being emailed. The card gives the employee remote access, allowing them to form secure links with their business' intranet as well as the ability to invoice for expenses and a host of other activities, making your people more connected and free and making your business more secure and productive.

Atos CardOS®

Smart Cards that meet the most demanding requirements

Our CardOS Smart Cards are based on Infineon chips and our own high-end operating system CardOS - a system that meets the highest quality requirements and is compatible with all relevant Smart Card standards. The security solution is completed by CardOS API, a proven and widely used software programme, with which CardOS smartcards are seamlessly integrated in all relevant system environments. With this powerful package, the infrastructure is able to be adapted flexibly at any time and the administration of smartcards remains uncomplicated, cost efficient and secure. Security from Siemens IT Solutions and Services is that simple.

Giving you security and trust

Smart Card solutions such as CardOS® can have enormous operational benefits, helping you to work better, more efficiently and with lower costs. Wider than this, however, improved information security, reliability and trust will improve your reputation, image and thus your success.

Custom-made security for your sector

These days, security and data protection are essential across all sectors. Public authorities, institutions, organizations, hospitals and companies can only achieve their goals securely if the risks to information security reach a non-threatening level.

Driving better security processes can have wider positive effects – and help you to do a great deal more. Our CardOS solution gives you greater security but also speed and efficiency – as communications processes will improve and speed up. This means that through improvements in security, new business possibilities, such as e-business, will open up.

Smart Cards are all-purpose, their success proven day-by-day, all over the world, in any sector or environment where communications and data exchange are critical: in practice, in the modern economy, this means all sectors and environments. Because Atos is experienced in the needs of every sector and in security processes, we can tailor-make a solution for your business that precisely matches your processes, needs and goals.

Efficiency and reliability pay in every area of business

CardOS Smart Cards give you enormous benefits in terms of secure working, which creates further benefits in terms of efficiency and productivity, and reduces material and operational costs as well as the costs associated with information loss. These benefits aren't just for private companies: health institutions, state authorities and other organizations are also using CardOS to create more efficient and secure communications that save time and material.

CardOS-based Smart Cards mean that you get more than immediate operational advantages. They embed flexible, highly visible security, compliant with every international standard, precisely where you need it. This means your name is associated, and your business actions embedded, with values that make real business difference in the modern economy: secure information, reliability, and confidentiality.

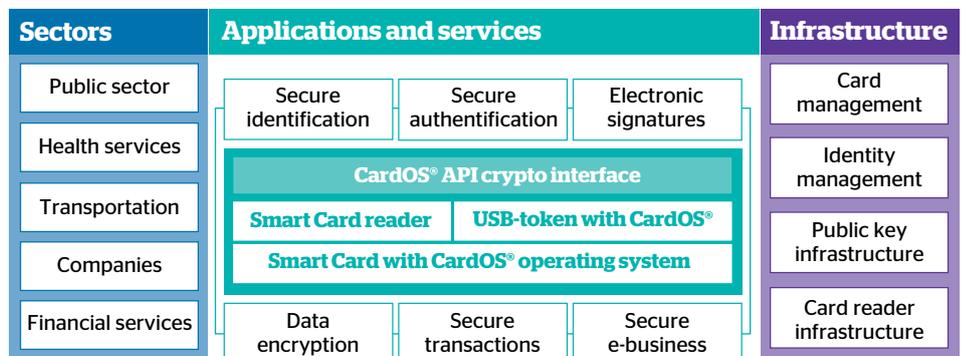
CardOS - the advantages you get, at a glance:

- ▶ Secure identification and authentication
- ▶ Secure, integrated electronic processes
- ▶ Support for electronic signatures
- ▶ Cost reduction through simplified processes
- ▶ Data protection through encryption
- ▶ Simple operation, high rate of acceptance.

The CardOS product range includes:

- ▶ **CardOS**
Certified Smart Card operating system for employee identification – and ID card projects
- ▶ **CardOS API**
Middleware for application use through CardOS Smart Cards.

CardOS®







A solution that's used around the world, every day

Smart Card solutions with CardOS® by Atos demonstrate their capabilities, security and efficiency, on a daily basis, everywhere in the world. A wealth of experience has given us real stories and key references to show how we enable better working, improve safety and security, while driving the trust that is critical to every business and public sector organization.

DRV bank on digital signatures to reduce costs

Atos are providing support to the Deutsche Rentenversicherung Bund (DRV - the German Pension Fund) as they roll out digital signature use. Our CardOS Smart Cards form the basis of the DRV's new security infrastructure, enabling all employees to make use of electronic services. A trust centre, designed specifically for the DRV, enables every user to securely authenticate all electronic transactions. This system allows all employees to use our security infrastructure for correspondence, encrypting messages and making certain that senders and receivers are identified clearly. CardOS Smart Cards enable guaranteed access and time recording.

Successful changeover to electronic business processes is now complete - driven by Atos - and the DRV is already realizing real benefits in terms of administration costs as well as efficiency and productivity.

Siemens is banking on CardOS® Smart Cards all over the world

Atos operates one of the largest employee ID card and PKI projects in the world - a Smart Card solution that's based on our CardOS products. The scale of this project is enormous and its reach global: almost all Siemens employees around the world use a CardOS Smart Card. These cards are used for every conceivable action, from access to buildings, rooms or parking spaces to payment services in office canteens. The Smart Cards also allow employees to access IT systems, applications and web services.

The Atos solution is mature, sophisticated and multifaceted and shows the full potential of a company-wide Smart Card solution. As well as e-mail encryption, based on cryptographic keys on the employee ID card, Siemens is using its ID Smart Cards for electronic signatures in every conceivable application and workflow scenario. For these wide-ranging application scenarios - which hugely improve Siemens workflows and reduce administration and paperwork, the CardOS API serves as comprehensive middleware.

National service and health card for Italy

Atos has taken a key role in providing a secure, flexible Smart Card based on CardOS to back up Italy's national health systems. Citizens use the card for health care and to gain access to local and central e-services. The card enables every person to access health care and medical services and data easily. Health care costs can thus be monitored in an extremely efficient, safe and clear manner. This way, Atos is making a major impact, simplifying the way diverse health services are managed. Many processes require less time and can be better planned, which results in considerable cost savings.

About Atos

Atos is an international information technology services company with annual 2010 pro forma revenues of EUR 8.6 billion and 74,000 employees in 42 countries. Serving a global client base, it delivers hi-tech transactional services, consulting and technology services, systems integration and managed services. With its deep technology expertise and industry knowledge, it works with clients across the following market sectors: Manufacturing, Retail, Services; Public, Health & Transport; Financial Services; Telecoms, Media & Technology; Energy & Utilities.

Atos is focused on business technology that powers progress and helps organizations to create their firm of the future. It is the Worldwide Information Technology Partner for the Olympic Games and is quoted on the Paris Eurolist Market. Atos operates under the brands Atos, Atos Consulting and Technology Services, Atos Worldline and Atos Worldgrid. For more information, visit: atos.net

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