



IT'S ALL IN THE SMART CARDS

Smart cards by Comm-IT's Embedded Division
Whether it is NFC or RFID cards we can deliver

COMM-IT SMART CARDS – THE FUTURE OF SECURE ACCESS AND DATA PROTECTION

At Comm-IT's Embedded Division, we are proud to offer cutting-edge smart card solutions that provide your business with unparalleled security, performance, and flexibility. Whether you require NFC (Near Field Communication) or RFID (Radio Frequency Identification) technology, we deliver sophisticated smart card systems tailored to your needs. The SIM card we provide contains ST31 chip, the same one supplied in the SIM card.

WHY CHOOSE SMART CARDS?

As security threats grow more sophisticated every day, businesses operating on Google Cloud must adopt a proactive, robust defense strategy to safeguard their critical assets. As a Google Cloud Premier & SecOps Partner, Comm-IT empowers organizations with a free comprehensive Cy Smart cards, powered by embedded microprocessors, are rapidly replacing traditional magnetic stripe cards. These cards offer superior security for user authentication across digital platforms, facilitate global roaming, and enable seamless access to cellular phone services. They are the perfect solution for businesses seeking advanced and secure technologies to enhance operational efficiency.

Our experienced engineers will guide you through every phase of smart card implementation, from system architecture design to hardware selection, software development, prototype manufacturing, mass production, and system integration. We are well-versed in delivering complex solutions that integrate seamlessly with communications and other business systems. bersecurity Assessment, designed to identify vulnerabilities, enhance security posture, and fortify cloud environments against emerging threats.

CUSTOMIZABLE SOLUTIONS FOR VARIOUS APPLICATIONS

Comm-IT's smart cards support a wide range of applications across industries. From public transportation, banking, and identity management to advanced defense, IoT, and medical uses, our smart card technology is adaptable for various needs. We have extensive experience working with both civil and defense sectors, ensuring high-level security and compliance with the strictest confidentiality regulations. The latest innovation includes separating civil and military functionalities on a single card while maintaining robust data protection.

COMPLIANCE WITH INTERNATIONAL STANDARDS

Our smart card solutions meet global standards including **ISO 7816**, **ISO 14443**, and **ISO 18092**, ensuring broad compatibility across industries. Available in various forms—plastic cards, SIM cards and USB-based tokens—they offer the versatility needed for both personal and enterprise-level applications.

KEY FEATURES OF OUR SMART CARDS

Hardware Features

- ARM® SecurCore® RISC core
- Long data retention (30 years) and high endurance (500,000 erase/write cycles)
- Operating temperature range from -25°C to +85°C
- Wide supply voltage range (2.1V to 5.5V)
- ESD protection greater than 6 kV (HBM)
- Contact and contactless compatibility based on ISO/IEC standards
- Power-saving standby state for efficient energy use
- Compliant with GSM, 3GPP, EMVCo Specifications



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Contactless Features

- ISO/IEC 14443 Type A, B, B' and ISO/IEC 18092 passive mode support
- Simultaneous contact and contactless operation
- Up to 3.4 Mbps reception and 6.8 Mbps transmission speeds
- MIFARE® and MIFARE® DESFire® EV1 compatibility for enhanced security
- Advanced RF communication with automatic adaptation for optimal power usage

Security Features

- AES and Triple DES hardware accelerators for secure data encryption
- AES and public key cryptography coprocessors support True random number generation for robust security
- Protection against a wide array of physical and cyber threats
- Dedicated Hardware for Protection Against SPA/DPA/SEMA/DEMA Attacks
- Advanced Protection Against Physical Attack, Including Active Shield, Enhanced Protection Object, Stack, Checker, Slope Detector, Parity Errors
- Environmental Protection Systems
- Voltage Monitor
- Frequency Monitor
- Temperature Monitor
- Light Protection
- Secure Memory Management/Access Protection
- Memory Protection Unit

END-TO-END SECURE SOLUTIONS

Designed with security at their core, Comm-IT's smart cards are ideal for high-security environments such as banking, ID verification, access control, and beyond. The integration of sophisticated cryptographic tools ensures that each transaction or data exchange remains secure.

RELIABLE AND TRUSTED TECHNOLOGY

With global certifications including CCEAL6+ and EMVCo, our smart cards offer industry-leading protection and reliability. They are designed to meet the evolving needs of businesses, providing secure, efficient, and scalable solutions across a wide array of industries.

IN CONCLUSION

Comm-IT's smart cards offer the ultimate combination of security, flexibility, and performance. Whether you're in the banking, transportation, defense, or healthcare sectors, we are ready to provide you with a tailored smart card solution that meets your specific needs.

FOR MORE INFORMATION AND TO GET STARTED ON YOUR SMART CARD SOLUTION

Contact Us Today! →