



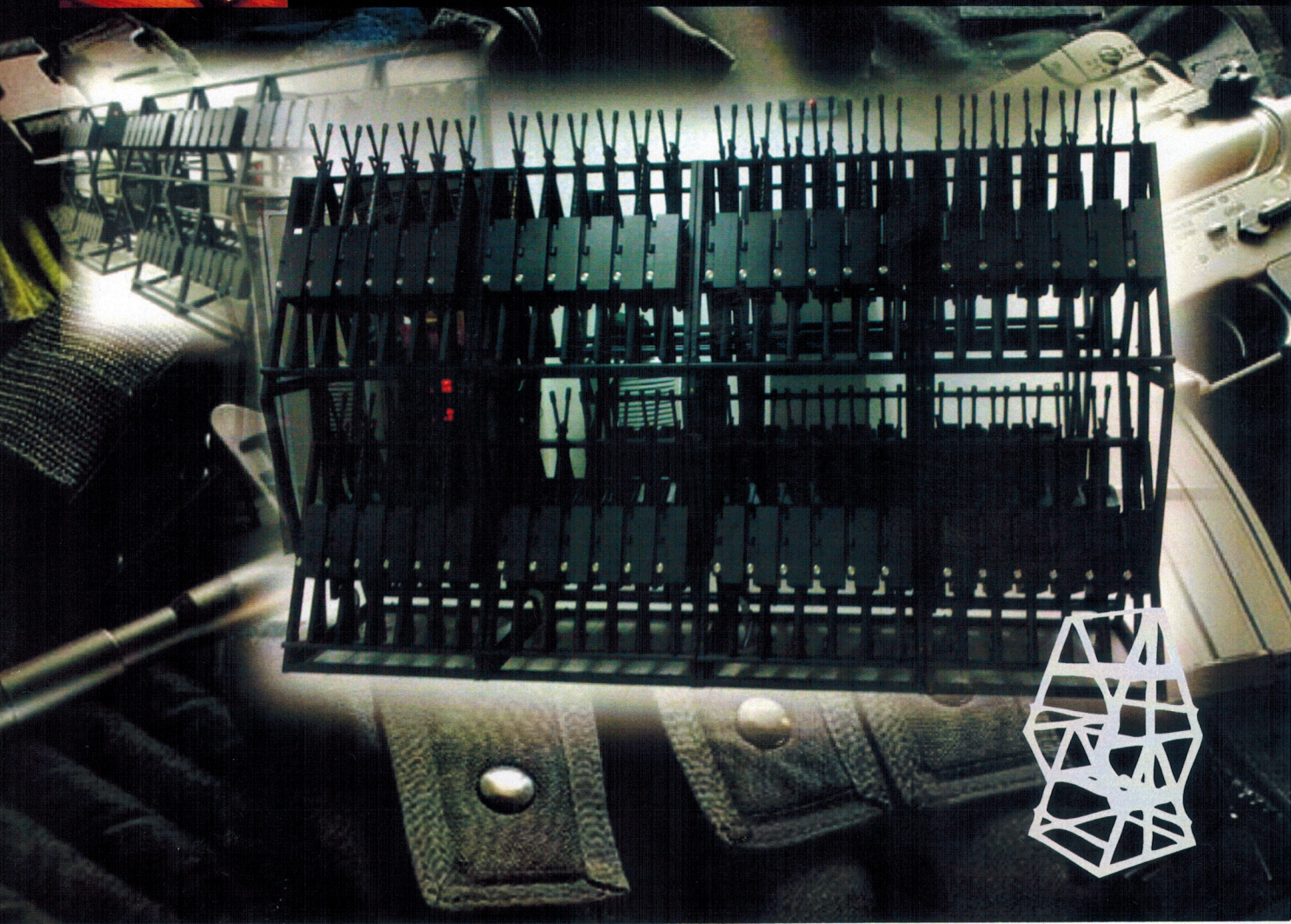
ARMIS



ARMOURY MANAGEMENT INFORMATION SYSTEM



ARMOURY MANAGEMENT INFORMATION SYSTEM (ARMIS)
A SECURED & INTELLIGENT FIREARMS MANAGEMENT SYSTEM



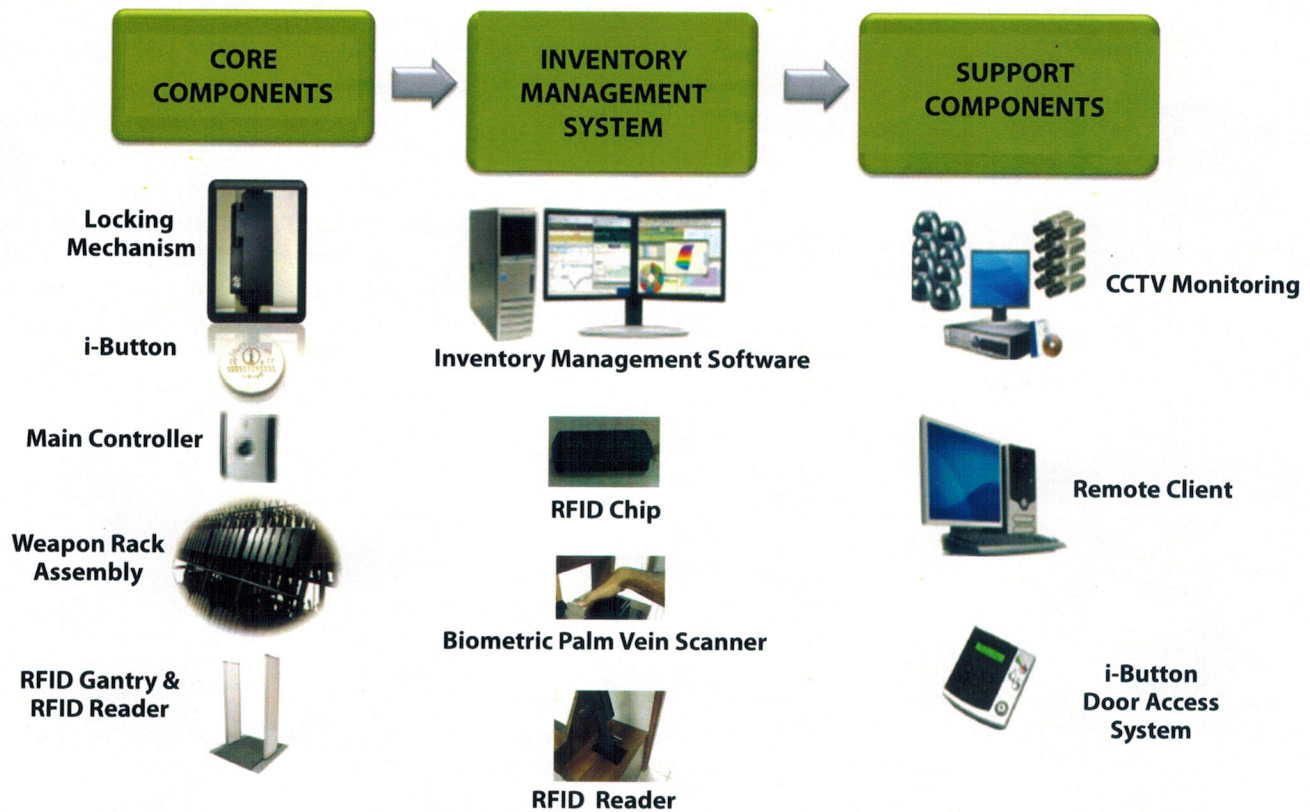


ARMIS is a secured and intelligent fire arms management system, designed to be mounted stationary or on mobile racking. Utilizing the i-Button advanced digital key and Palm Vein biometric authentication, it will protect against theft and misuse of firearms. ARMIS is protected from lock picking and can be networked for armory inventory and access control purposes.

The built-in micro-controller and electronic locking mechanism are protected from hot wiring techniques. with its interchangeable module, ARMIS can be adapted to fit and mounted virtually into any type of firearms. It is affordable, cost saving and secured compared to other firearms management system in the market



ARMIS SYSTEM INFRASTRUCTURE



SALIENT FEATURES

- Online realtime security monitoring
- Display firearms status continuously
- Maximum security with "Palm Vein" authentication
- Customized design to secure main part of the firearm
- Caters for standalone and network system
- Prevents unauthorized personnel from access
- Records all activities and transactions
- Motorized latch and IR sensor
- Handles multi-type firearms
- Fully digital secure i-Button Advanced Key
- Compact, modular and cascadeable lock module
- Secured & encrypted data storage
- Capable of interfacing with other systems.
- Computerized solutions with inventory control features

I-BUTTON



i-Button is a computer chip enclosed in a 16mm thick stainless steel can. Because of this unique and durable container, up-to-date information can travel with a person or object anywhere they go. The steel iButton can be mounted virtually anywhere because it is rugged enough to withstand harsh environments, indoors or outdoors. It is small and portable enough to attach to a key fob, ring, watch, or other personal items, and be used daily for applications such as access control to buildings and computers, asset management, and various data logging tasks.



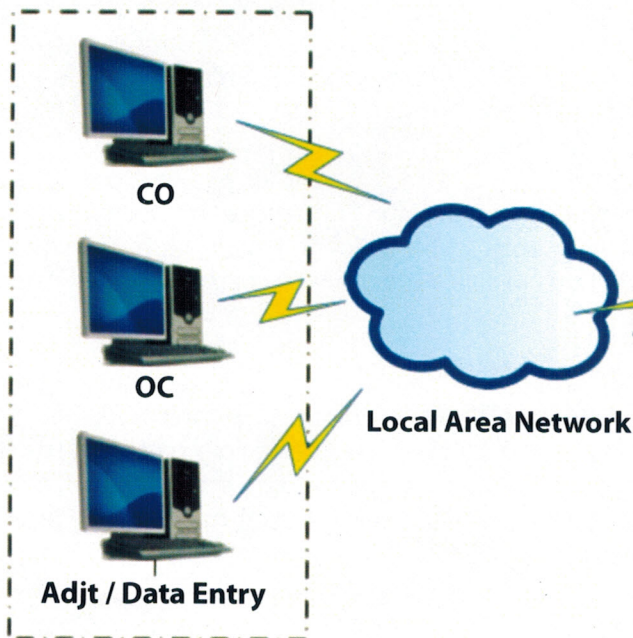
SPECIAL FEATURES

- 32KB EEPROM Organized as Pages of 64 Bytes Each
- Optional Password Protection with Different 64-Bit Passwords for Read and Full Access
- Communicates to Host with a Single Digital Signal at Up to 15.3kbps at Standard Speed or Up to 125kbps in Overdrive Mode Using 1-Wire Protocol
- Operating Range: 2.8V to 5.25V, -40°C to +85°C
- Minimum 100k Write Cycles Endurance
- 15kV Built-in ESD Protection

ARMIS SYSTEM NETWORK DIAGRAM

Remote Client Work Station

Weapon Access Monitoring System (WAMS)
And
Weapon Access Control System (WACS)



Armoury Store

Weapon Issuance Management System (WIMS)



AUTHENTICATION BIOMETRICS SENSOR



PalmSecure sensor technology is a palm vein based strong authentication solution that utilizes industry-leading vascular pattern biometrics technology. This offers a highly reliable, contactless biometric authentication solution that is non-intrusive and easy to use.

PalmSecure technology has been deployed worldwide in a wide range of vertical markets, including security, financial/banking, healthcare, commercial enterprises and educational facilities. Additional applications include physical access control, logical access control, retail POS systems, ATMs, kiosks, time and attendance management systems, visitor ID management and other industry-specific biometrics applications.

PalmSecure is a biometric authentication device that provides high level of security using palm vein authentication technology. This technology is now able to be used in a wide range of situations thanks to reductions in size, reductions in cost, and simplification of development.

The PalmSecure sensor uses near-infrared light to capture a person's palm vein pattern, generating a unique biometric template that is matched against pre-registered user palm vein patterns. The palm vein device can only recognize the pattern if the blood is actively flowing within the individual's veins, which means that forgery is virtually impossible.

RFID



RFID (Radio frequency identification) is a generic term that is used to describe a system that transmits the identity (in the form of a unique serial number) of an object or person wirelessly, using radio waves. It's grouped under the broad category of automatic identification technologies.

Unlike ubiquitous UPC bar-code technology, RFID technology does not require contact or line of sight for communication. RFID data can be read through the human body, clothing and non-metallic materials.

SPECIAL FEATURES

- Smart RFID Reader equipped with Intel ATOM N270 1.6GHz CPU with 1G DRAM/4GB Flash Memory to run complex applications
- Long Reading Distance, RF Output Power up to 32dbm and support EPC Dense Mode (DRM)
- Compliant with EPC C1 Gen 2 / ISO 18000 6C
- Gantry system link to triggered Alarm in the event of unauthorised transactions
- Help to improve system efficiency in tracking and communication while preventing data entry and collection errors
- Read/write electronic storage technology allows for data transfer to and from host systems and data storage
- RFID Transponder encapsulation comply with IP68 requirement (Dust and Water Proof)



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