



## **Banking card**

### **Visa**

As a VISA approved card manufacturer, Grand Pond is an important link in the relationship chain VISA has created between suppliers, issuing banks, and retailers to create the security, reliability, and convenience of the number one worldwide payment card. Grand Pond manufactured VISA cards are used for purchases at more than 23 million merchant locations and to obtain cash at more than 700,000 ATMs and more than 400,000 VISA member offices around the world.

### **MasterCard**

As a member of MasterCard's approved vendor program since 1989, Grand Pond has supplied member banks worldwide with high quality bank cards, making us one point in the web of trust MasterCard established to oversee nearly 15 million daily transactions in more than 179 currencies throughout the world.

### **Smart Banking Cards**

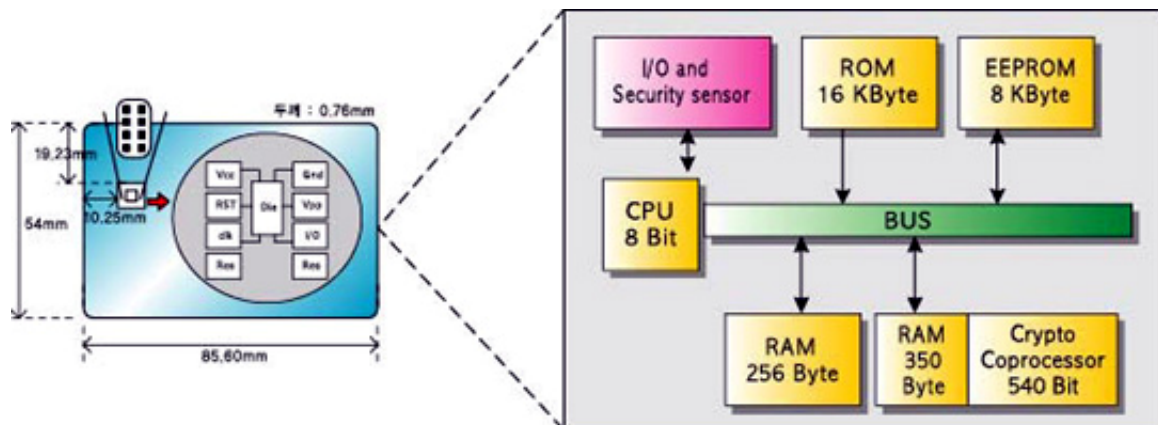
While there are many new technologies created to deliver new bankcard products and services, none offers more possibilities than smartcards. Grand Pond is proud it has become a pioneer in the quest to develop and bring this exciting new technology to life for MasterCard holders.

## Contact card

### Feature:

- ISO/IEC 7816 physical/chemical port
- Smartcard type: multi-operation system, including COS
- 8 bits CPU (use DEC for exchange security)
- 8k bytes read/write flash memory, 256 byte RAM
- communication: half-duplex
- baud rate; 9600bps ~ 38400bps

### Structure:



### Application:

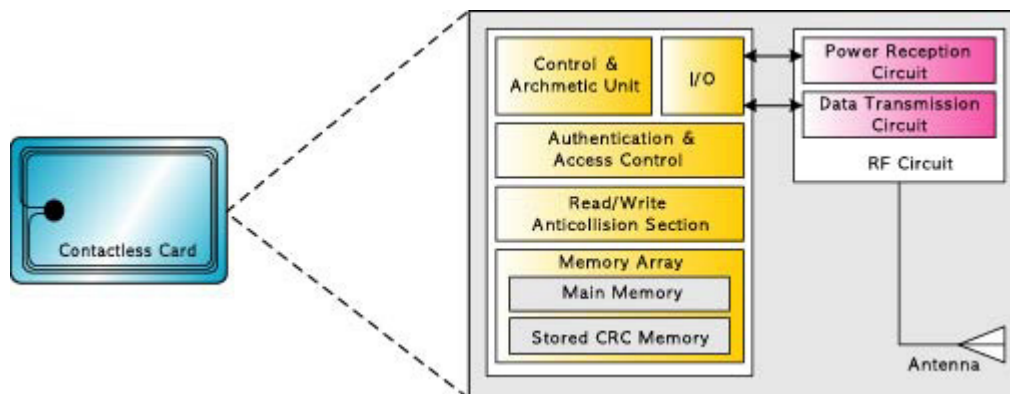
- banking: personal banking/E-banking
- electronic pocket: load of electronic coins
- safety control: communication, computer safety, internet safety, security of electronic signature
- customer control: shopping mall, calculation of bonus
- general: ID function, health care

## Contactless card

### Feature:

- RF communication port
- RF operation frequency: 125kHz or 13.56MHz
- Memory: 2k byte / 4k byte / 8k byte
- RF baud rate: 106k bps
- RF electric field
- Operation distance: 10~150cm

### Structure:



### Application:

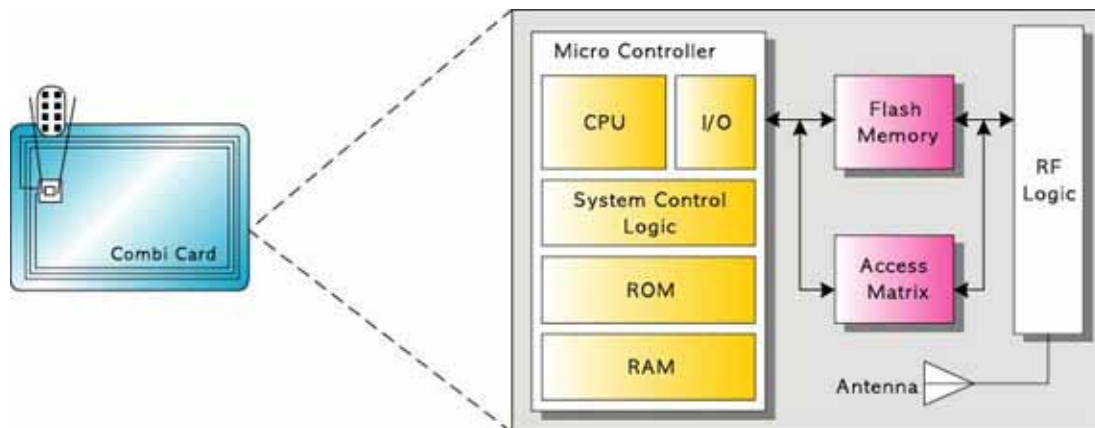
- Entrance control system
- Parking control
- Ekey
- ID card
- Transportation card
- School card

## Combi card

### Features:

- ISO/IEC7816 contact port
- 8k bytes read/write flash memory, 256 byte RAM
- Communication: half-duplex
- Safety and low power consumption design; read/write operation
- Baud rate: 9600bps~38400bps
- RF communication port
- RF operation frequency: 125kHz or 13.56MHz
- RF anti-interference: 100 chips/s
- RF baud rate: 106k bps
- RF operation distance: 10~150cm
- 8bits CPU (use DES communication data in security)

### Structure:



### Applications:

- finance area
- transportation area
- medicare: insurance card, emergency card, hospital entrance control
- commercial: supermarket, shopping mall, video shop
- entrance control: internet entrance control, building safety control
- education: student & staff ID cards, stationery shop payment
- i-cable: membership ID card and payment