

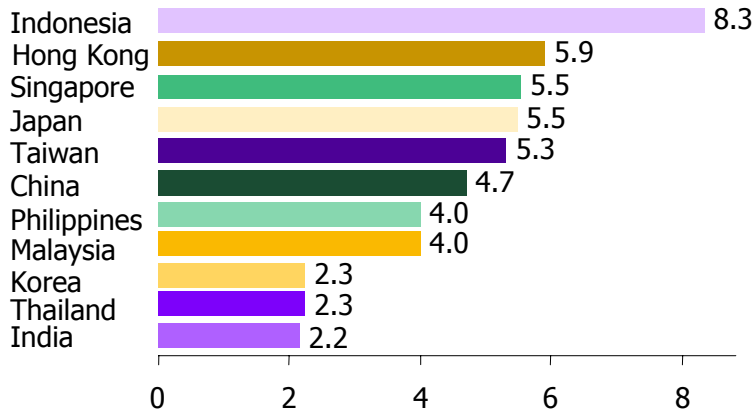
Contactless card market growing in double digits to over US\$3 billion by 2008



Smart card penetration and growth

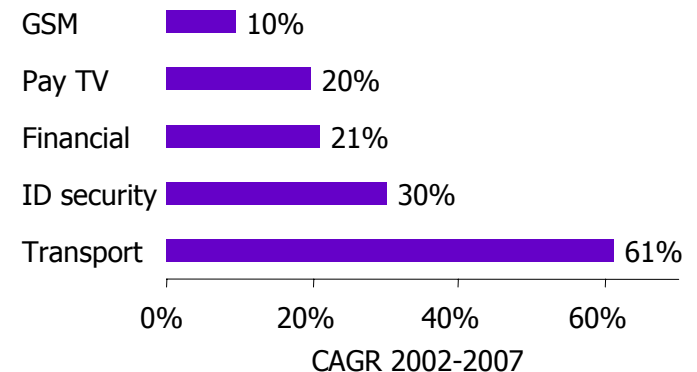
- Increased use of smart cards – 1.6 billion chips worldwide in 2003; expected CAGR 14%
- The use of smart cards in public transport payment has been growing faster than other uses
- Smart cards are convenient, fast to use, secure and cheap thus making them viable solutions even in developing countries
- On average each person holds 4.6 cards in their wallets
- Contactless cards market is projected to grow at a CAGR of 47% from 2002 to 2006
- Revenues from RFID expected to reach over US\$3 billion by 2008

Average number of credit cards carried in wallets



Note: Card penetration relates to ALL credit cards, not only RFID cards; urban only.
Source: Fusion Consulting consumer survey, n=80; CIA World Fact Book; Octopus.

Global smart card usage growth by application



Source: Gartner