

Wallet in your mobile phone

Smart
card
phone



Pre-paid smart cards are popular in many countries to pay travel costs or for low price items where retailers are reluctant to accept credit cards. Now Japanese consumers are trying out a mobile phone with integrated debit card, and the "mobile wallet" may soon be available worldwide

FeliCa smart cards



Edy: Accepted by around 25,000 retailers in Japan

Suica: Used by millions of Tokyo rail commuters

Payment with pre-paid FeliCa technology:

Funds credited via internet or in stores

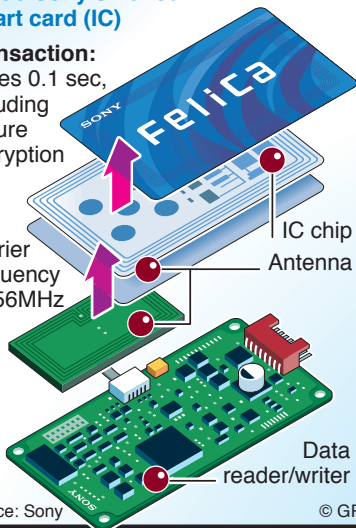


Inside Sony's FeliCa smart card (IC)

Transaction:

Takes 0.1 sec, including secure encryption

Carrier frequency 13.56MHz



IC chip
Antenna

Data reader/writer

Unlike existing cards, phones can make purchases anywhere and any time – and check balance on screen

