

# One-time password to boost online security

Banks are turning to one-time password (OTP) technology in a bid to beat internet credit card fraud. Each time it is used the card's microchip generates a unique password which authenticates the card holder – replacing today's less reliable signature strip security number

## AUTHENTICATION

Current system is vulnerable if hacker obtains **security number** with card details. Information can be used to make purchases

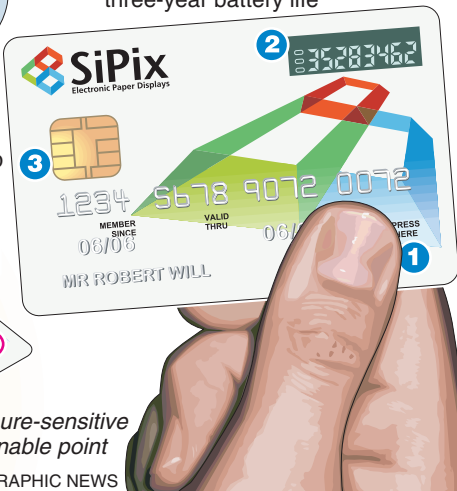
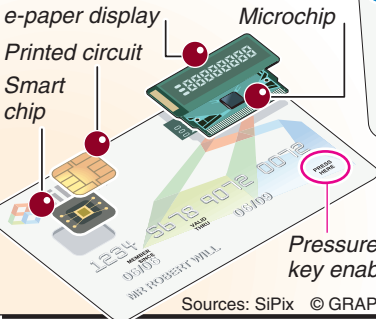


## OTP GENERATOR

- 1 User presses card at **key enable point** to activate password generating microchip
- 2 Ultra-thin **e-paper display** can be used 16,000 times and has three-year battery life

## SECOND MICROCHIP

- 3 Personal information, details of last transaction or balance information stored on **smart-chip** – more secure than magnetic strip



Sources: SiPix © GRAPHIC NEWS