



Layered Fraud Prevention EMV plus IRIS

Layered Fraud Prevention

1. EMV protects physical layer

2. IRIS protects through transaction monitoring



IRIS

IRIS

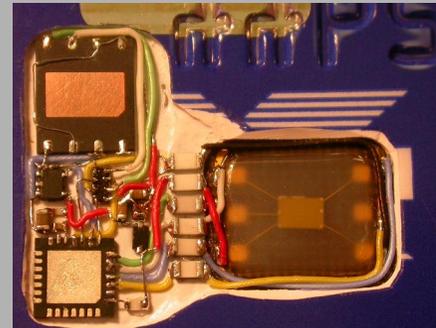
- Intercepts fraudulent transactions in real-time
- Protects all payment channels: cards, online, mobile, ACH
- Prevents inter-channel fraud
- Protects 264m customers, 3.4m merchants, 431,500 ATMs
- Typical result in credit card issuing: 2BP fraud, f/p less than 2

France

- Chip and PIN since more than 20 years
- Fraud instantly dropped to almost zero
- But fraud came back
- In 2013 France had the highest fraud losses in the Eurozone
- All card not present? No, to the contrary...



Post EMV Fraud



IRIS at Cartes Bancaire

- National payment switch
- 75% of all French payment transactions
 - including credit and debit,
 - domestic and cross border,
 - issuing and acquiring, and on-us
- Sized for 10 billion transactions annually
- 4000 tps peak with <5 ms latency
- 99.999% availability
- Model turnaround in minutes
- Fraud trend reversed in 2015

