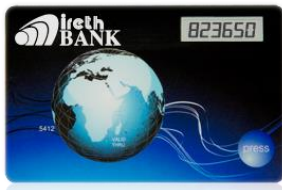


D800™ SERIES DISPLAYCARDS

Secure Your On-Line Services



IRETH D800™ Displaycards are the most innovative and powerful cards for Strong Authentication and Anti Fraud, ideal to secure *Banking, On-Line Transactions, Web Retailers, Remote Access* and to make *Remote Signing*.

They can be issued according to OATH standard, or other specific algorithms (i.e. IRETH RCR, CodeSure, CAP, etc.). OATH is the standard for universal OTP authentication.

With IRETH IAP800® Authentication Server, D800™ suite represents the most competitive solution against phishing and on-line frauds. D800™ Series Displaycards excel in terms of security and costs; they have the best response time in showing OTP code and don't have rainbow effects on display.

D800™ is Multi-channel, Multi-purpose and Cost-Effective, in ISO7810 credit card form factor with E-ink or LCD Display (on demand) and ultra thin battery technology.

D800™ Series Features

- IAP800® OATH Server compliant
- Easy & Ready to be used
- Excellent card manufacturing
- Superior design and engineering of display in E-Ink technology
- Excellent card appearance
- Tamper resistant
- Torsion: ISO/7810 1.000 Cycles minimum
- Bending: ISO/7810 1.000 Bends minimum
- Battery: Thin Battery
 - 3 years autonomy, 33.000 uses
 - 5 years autonomy, 25.000 uses
- Display: Electronic paper display (E-Ink) – wide display, flexible, sharp, ultra thin, no rainbow, fast OTP response, 179° view angle, contrast ratio 7:1
- Display size: 6/8 digits (numeric or alphanumeric)
- Button number: 1 key or 13 keys keypad
- Tactile buttons with exclusive click feeling technology
- Embossable* or Laser Engraved
- Optionals: RFID chip, Magnetic stripe, Antenna Dual-Interface, Crypto chip, EMV chip
- Custom Artwork: high quality offset, thermal transfer
- Water proof

*not for Keypad models

D800™ is extremely portable, allowing a remarkable usability, mainly for 'Mission Critical' services, like Home Banking.

D800™ allows for dual factor authentication with the highest integrity and protection standards, able to perform secure on-line accesses and transactions. D800™ is the only Cost-Effective and Portable Displaycard that can be used easily for on-line services anytime and anywhere.

All the cards in the D800™ suite are ISO 7810 and can be ISO7816, compliant with: IETF, FCC, UL, CE, OATH, EMV, PKCS, RFID standards.

IRETH can issue customized versions, with photos, user data and customer brands.

The D800™ support:

- ⇒ different Algorithms and Protocols: OATH HOTP (RFC4226), OATH TOTP (RFC6238), OCRA-1 (RFC6287), CodeSure, CAP-PLA, SM3, Custom (on demand)
- ⇒ different HASH Algorithms: SHA1, SHA256, SHA512, Custom (on demand),

Each D800™ model can embed payment elements: EMV, EMV Dual Interface, NFC, Dynamic CVV, Dynamic PAN, and others (*All-In-One Displaycards*).



D800™ 1 Key



D800™ 13 keys

According to the different combinations of algorithms, protocols, technologies and components available, D800™ Displaycards are issued in many configurations, for a lot of applications and functions, such us:

Model	Functions
D800™ 1 key	OTP, NFC-OTP, Physical Control Access
D800™ 13 keys EBA Compliant	OTP, Data Transaction Signature, Physical Control Access, Balance Check, Loyalty Check, PIN Card Unlock, NFC-OTP, NFC-C/R
D800™ EMV 1 key	OTP, NFC-OTP, Physical Control Access Payments, Contactless Payments (NFC), Dynamic CVV
D800™ EMV 13 keys EBA Compliant	OTP, Challenge Response, Data Transaction Signature, Physical Control Access, Balance Check, Loyalty Check, PIN Card Unlock, NFC-OTP, NFC-C/R Payment, Dynamic PAN, PIN EMV Chip Unlock, Contactless Payments (NFC), e-purse
Combo	Multi Seeds, Multi Algorithms, Multi-function buttons
D800™ with Dynamic CVV	Anti Fraud for on-line payments

