

- **Thin LCD Display**

- Patents
- Drive like a regular LCD display
- 8 digit or more
- Production facilities

- **Thin Electronics**

- PCB and inlay design
- Firmware (OATH or customize to your need)

- **I/O**

- Patented IR Programming (read and write)
- RFID
- Keypad

- **Thin and Flexible Plastic Encapsulation**

- Patents
- Selection of a few different plastics

- **Manufacturing**

- We own key facilities and processes for all above



# Core ODM/OEM Offerings

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Turn-key solution for ODM/OEM: Complete display card w options

Displays, firmware, inlays and pre-lams. Design and Manufacturing

Pre-lams. Design and Manufacturing

Mass production for  
event sync today

We own the key  
facilities



# OTP Card Roadmap

Complete card w options

Displays, firmware and Inlays

Pre-lams

## Reality Today

8-bit CPU with RTC  
8 LCD digits  
ISO Compliant

Card Event Sync: **Mass production**

Card Token with PIN keypad: **prototype**

Card Time Sync: **prototype**

Contactless (RF/ IR)  
Programming: **samples and production ready**

Mass prod. Event sync  
**We own the key facilities**

Mass prod. for time sync and w keypad

Mass Production with unified platform for SmartCard and OTP

16-bit CPU  
Integrated display driver  
Smart card and OTP  
ISO contact/contactless interface  
Alpha-numeric display(1-2 lines)  
CAP and DPA enabled on a single ISO card



2009 Today

2009 Q2

2009 Q3

2009 Q4