



**China IC Card/Smart Card Industry Report,  
2011-2012**

**Aug. 2012**

## STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

## REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

## METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications.

Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

## INFORMATION SOURCES

The primary information sources Ministry of Industry and Information Technology of the People's Republic of China, National Bureau of Statistics of China and WIND Database etc.

## Abstract

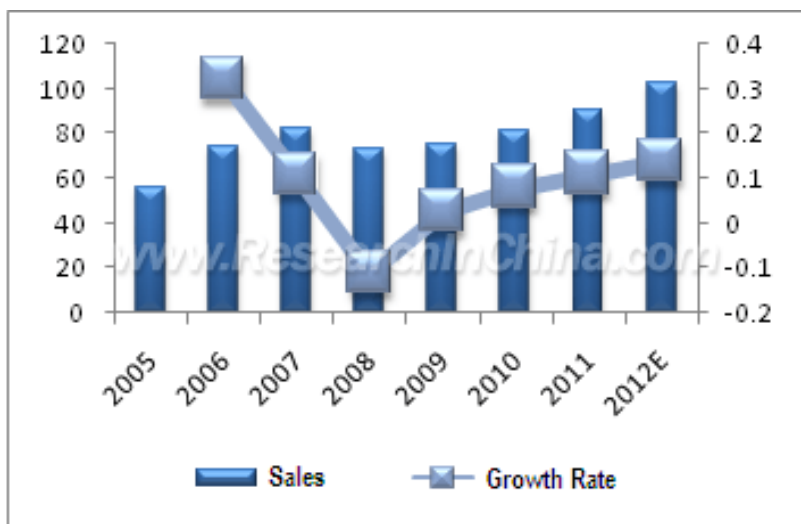
In 2011, the sales of IC card grew 11.1% over 2010 to around RMB9 billion, and its sales volume rose 13.6% over 2010 to 2.43 billion, hitting a record high. The IC card industry is expected to increase by 14% in the coming three years in China.

Presently, the demand for IC card is mainly from such areas as telecom card, social security card and second-generation ID card.

As of the end of 2011, Chinese telecom area had purchased a total of about 6 billion IC cards, serving as the largest consumer market for IC card. In 2011, the mobile subscribers numbered 990 million, with a penetration rate of 72.0%, and the issuance volume of SIM cards amounted to 890 million in China. Along with the rising penetration rate of mobile users, the growth rate of SIM card will slow down and stabilize in the 3-5 years to come.

By the end of 2011, the renewal of second-generation ID cards had surpassed 1 billion. In the next two years, the second-generation ID card issuance will usher into a stable period. However, as the first second-generation ID cards (valid for a decade) expire, the ID card market will further boost the demand for IC card.

**Sales of IC Card and Growth Rate in China, 2005-2012E**  
(Unit: RMB100M)



Source: Smart Card Society of China Information Industry Trade Association;  
ResearchInChina<China IC Card/Smart Card Industry Report, 2011-2012>

As of the end of 2011, China's social security card issuance volume had reached 190 million, with a penetration rate of less than 14%. According to the planning of Ministry of Human Resources and Social Security of the P.R.C., the social security card issuance volume is expected to register 610 million during the 12th Five-Year Plan period (2011-2015). It is estimated that the issuance volume of social security cards will attain significant growth before 2015.

Moreover, the market segments of IC card such as financial IC card, health card, mobile payment card and city card will boom fueled by policy support and market demand.

### **The report resolves around the followings:**

- ※ Status quo, market size, business model, competitive landscape and otherwise of Chinese IC card industry;
- ※ Development status and forecasts of IC card market segments including telecom card, financial IC card and social security card, etc.
- ※ Status quo, competitive advantage and latest trends of 5 global and 11 Chinese IC card manufacturers.

### 1. Definition and Classification of IC Card

### 2. IC Card Market and Development

- 2.1 Status Quo & Prospect of Global IC Card Market
- 2.2 Status Quo & Prospect of China IC Card Market
- 2.3 Status Quo & Prospect of Telecom IC Card Market in China
- 2.4 Status Quo & Prospect of Financial IC Card Market in China
  - 2.4.1 Migration of EMV
  - 2.4.2 Migration of EMV in China
  - 2.4.3 Technologies for Home-made Financial IC Cards Still to Be Improved
- 2.5 Status Quo & Prospect of Social Security Card Market in China
- 2.6 Status Quo & Prospect of Other IC Card Markets in China
  - 2.6.1 Second-generation ID Card
  - 2.6.2 Health Card
  - 2.6.3 Mobile Payment
  - 2.6.4 City Card

### 3. IC Card Upstream Industry

- 3.1 IC Card Industry Chain
- 3.2 Global IC Card Upstream Manufacturers
  - 3.2.1 Infineon
  - 3.2.2 ATMEL

- 3.2.3 Samsung
- 3.2.4 STMicroelectronics
- 3.2.5 Renesas

### 4. IC Card Chip Manufacturers in China

- 4.1 Datang Microelectronics Technology Co. Ltd
  - 4.1.1 Profile
  - 4.1.2 Operation
- 4.2 Shanghai Fudan Microelectronics Co., Ltd.
  - 4.2.1 Profile
  - 4.2.2 Operation
  - 4.2.3 Revenue Structure
  - 4.2.4 Gross Margin
  - 4.2.5 Latest Trends
- 4.3 Shanghai Huahong Jitong Smart System Co., Ltd.
  - 4.3.1 Profile
  - 4.3.2 Operation
  - 4.3.3 Revenue Structure
  - 4.3.4 Gross Margin
  - 4.3.5 R & D and Investment
  - 4.3.6 Output
  - 4.3.7 Clients and Suppliers
  - 4.3.8 Latest Trends

### 5. IC Card Manufacturers in China

- 5.1 Gemalto
  - 5.1.1 Profile
  - 5.1.2 Operation

- 5.1.3 Revenue Structure
- 5.1.4 Gross Margin
- 5.1.5 Business in China
- 5.2 Hengbao
  - 5.2.1 Profile
  - 5.2.2 Operation
  - 5.2.3 Revenue Structure
  - 5.2.4 Gross Margin
  - 5.2.5 Clients and Suppliers
  - 5.2.6 R & D and Investment
- 5.3 Eastcompeace Technology
  - 5.3.1 Profile
  - 5.3.2 Operation
  - 5.3.3 Revenue Structure
  - 5.3.4 Gross Margin
  - 5.3.5 Clients and Suppliers
  - 5.3.6 R & D and Investment
  - 5.3.7 Latest Developments
- 5.4 Wuhan Tianyu Information Industry
- 5.5 Tatwah Smartech
- 5.6 Shenzhen Mingwah Aohan Technology
- 5.7 Aisino Corporation
- 5.8 YLZ Information Technology

- Structure of Contact CPU Chip
- Classification of IC Cards
- Global Shipment of IC Cards, 2008-2017E
- Global IC Card Market Size, 2011-2017E
- Sales of IC Card and Growth Rate in China, 2005-2011
- Sales Volume of IC Cards and Growth Rate in China, 2005-2011
- Issuance Volume of SIM Cards and Growth Rate in China, 2009-2015E
- Schedule of EVA Migration in China, 2011-2013E
- Penetration of Financial IC Cards in Some Regions of China, 2011-2012
- Issuance Volume of Social Security IC Cards in China, 2004-2011
- Issuance Volume of Social Security IC Cards in Some Regions of China, 2012E
- Implementation Timetable of Financial Social Security IC Cards in China, 2011-2015
- Issuance Volume of Second-generation ID Cards in China, 2012-2019E
- IC Card Manufacturing Industry Chain
- Revenue and Net Income of Infineon, 2008-2011
- Infineon's Revenue from IC Card and Security Chip and % of Total Revenue, 2008-2011
- Infineon's Companies in China and Contacts
- Revenue and Net Income of Atmel, 2008-Q1 2012
- Atmel's Revenue from Special-use IC and % of Total Revenue, 2008-2011
- Samsung's EEPROM and Flash Technology Roadmap, 2002-2012E
- Partners of IC Card Chip of Samsung
- Revenue and Net Income of Samsung, 2008-Q1 2012
- Samsung's Revenue from Semiconductor Business and % of Total Revenue, 2008-2011
- Revenue of STMicroelectronics, 2008-2011
- STMicroelectronics' Revenue from Some Products and % of Total Revenue, 2008-2011

- STMicroelectronics' Companies in China
- Revenue and Net Income of Renesas, 2008-2012
- Revenue Structure of Renesas by Product, 2009-2012
- Renesas' Companies in China and Contacts
- Market Position of IC Cards Made by Datang Microelectronics
- Revenue and Net Income of Datang Microelectronics, 2007-2011
- Revenue and Net Income of Fudan Microelectronics, 2007-Q1 2012
- Revenue Breakdown of Fudan Microelectronics by Product, 2008-2011
- Revenue Structure of Fudan Microelectronics by Product, 2008-2011
- Revenue Breakdown of Fudan Microelectronics by Region, 2008-2011
- Revenue Structure of Fudan Microelectronics by Region, 2008-2011
- Gross Margin of Fudan Microelectronics by Product, 2008-2011
- New Technologies and Products of Fudan Microelectronics, 2011-2012
- Revenue and Net Income of Huahong Jitong, 2008-Q1 2012
- Revenue Breakdown and Structure of Huatong Jitong by Product, 2009-2011
- Revenue Breakdown and Structure of Huatong Jitong by Region, 2009-2011
- Gross Margin of Huahong Jitong by Product, 2009-2011
- Gross Margin of Huahong Jitong by Sector, 2009-2011
- R&D Costs and % of Total Revenue of Huahong Jitong, 2009-2011
- Capacity, Output and Sales Volume of Huatong Jitong's Major Products
- Huahong Jitong's Revenue from Top 5 Clients and % of Total Revenue, 2009-2011
- Name List and Revenue Contribution of Huahong Jitong's Top 5 Clients, 2011
- Huahong Jitong's Procurement from Top 5 Suppliers and % of Total Procurement, 2008-2011
- Name List and Procurement Contribution of Huahong Jitong's Top 5 Suppliers, 2011
- New Technologies and Products of Huatong Jitong, 2011-2012

- Gemalto's Clients
- Controlled Companies of Gemalto in China
- Revenue and Operating Income of Gemalto, 2010-2011
- Revenue Breakdown of Gemalto by Product, 2010-2011
- Gross Margin of Gemalto by Product, 2010-2011
- Hengbao's Main Clients
- Achievements of Hengbao in Different Fields
- Revenue and Net Income of Hengbao, 2008-Q1 2012
- Revenue Breakdown and Structure of Hengbao by Product, 2009-2011
- Revenue Breakdown and Structure of Hengbao by Region, 2009-2011
- Gross Margin of Hengbao by Product, 2009-2011
- Hengbao's Revenue from Top 5 Clients and % of Total Revenue, 2008-2011
- Hengbao's Procurement from Top 5 Suppliers and % of Total Procurement, 2008-2011
- R&D Costs and % of Total Revenue of Hengbao, 2008-2011
- Revenue and Net Income of Eastcompeace, 2008-Q1 2012
- Revenue Breakdown and Structure of Eastcompeace by Industry, 2009-2011
- Revenue Breakdown and Structure of Eastcompeace by Product, 2009-2011
- Revenue Breakdown and Structure of Eastcompeace by Region, 2009-2011
- Gross Margin of Eastcompeace by Product, 2009-2011
- Gross Margin of Eastcompeace by Industry, 2009-2011
- Eastcompeace's Revenue from Top 5 Clients and % of Total Revenue, 2008-2011
- Eastcompeace's Procurement from Top 5 Suppliers and % of Total Procurement, 2008-2011
- R&D Costs and % of Total Revenue of Eastcompeace, 2008-2011
- New Technologies and Products of Eastcompeace, 2011-2012
- Revenue and Net Income of Tianyu, 2008-Q1 2012



- Revenue Breakdown of Tianyu by Product, 2008-2011
- Revenue Breakdown of Tianyu by Region, 2008-2011
- Gross Margin of Tianyu by Product, 2008-2011
- Gross Margin of Tianyu by Region, 2008-2011
- Tianyu's Revenue from Top 5 Clients and % of Total Revenue, 2008-2011
- Name List and Revenue Contribution of Tianyu's Top 5 Clients, 2011
- Tianyu's Procurement from Top 5 Suppliers and % of Total Procurement, 2008-2011
- R&D Costs and % of Total Revenue of Tianyu, 2008-2011
- New Technologies and Products of Tianyu, 2011-2012
- Revenue and Net Income of Tatwah Smartech, 2008-Q1 2012
- Revenue Breakdown of Tatwah Smartech by Product, 2008-2011
- Revenue Structure of Tatwah Smartech by Product, 2008-2011
- Revenue Breakdown and Structure of Tatwah Smartech by Region, 2008-2011
- Gross Margin of Tatwah Smartech by Product, 2008-2011
- R&D Costs and % of Total Revenue of Tatwah Smartech, 2008-2011
- Tatwah Smartech's Revenue from Top 5 Clients and % of Total Revenue, 2008-2011
- Name List and Revenue Contribution of Tatwah Smartech's Top 5 Clients, 2011
- Tatwah Smartech's Procurement from Top 5 Suppliers and % of Total Procurement, 2008-2011
- Name List and Procurement Contribution of Tatwah Smartech's Top 5 Suppliers, 2011
- Revenue and Net Income of Mingwah, 2008-Q1 2012
- Revenue Breakdown of Mingwah by Product, 2008-2011
- Revenue and Net Income of Aisino, 2008-Q1 2012
- Revenue Breakdown of Aisino by Product, 2008-2011
- Revenue Structure of Aisino by Product, 2008-2011
- Gross Margin of Aisino by Product, 2008-2011

- Aisino's Revenue from Top 5 Clients and % of Total Revenue, 2008-2011
- R&D Costs and % of Total Revenue of Aisino, 2008-2011
- Revenue and Net Income of YLZ, 2008-Q1 2012
- Revenue Breakdown and Structure of YLZ by Product, 2008-2011
- Revenue Breakdown and Structure of YLZ by Region, 2008-2011
- Gross Margin of YLZ by Product, 2008-2011
- YLZ's Revenue from Top 5 Clients and % of Total Revenue, 2009-2011
- YLZ's Procurement from Top 5 Suppliers and % of Total Procurement, 2009-2011
- R&D Costs and % of Total Revenue of YLZ, 2009-2011

**You can place your order in the following alternative ways:**

1. Order online at [www.researchinchina.com](http://www.researchinchina.com)
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: [report@researchinchina.com](mailto:report@researchinchina.com)
4. Phone us at +86 10 82600828/ 82601561

<b>Party A:</b>			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

<b>Party B:</b>			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080		
Contact Person:	Li Chen	Phone:	86-10-82600828
E-mail:	<a href="mailto:report@researchinchina.com">report@researchinchina.com</a>	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

**Choose type of format**

- PDF (Single user license) .....1,800 USD
- Hard copy .....1,900 USD
- PDF (Enterprisewide license)..... 2,900 USD

**※ Reports will be dispatched immediately once full payment has been received.**  
**Payment may be made by wire transfer or credit card via PayPal.**