



Taiwan ICT Industry Outlook

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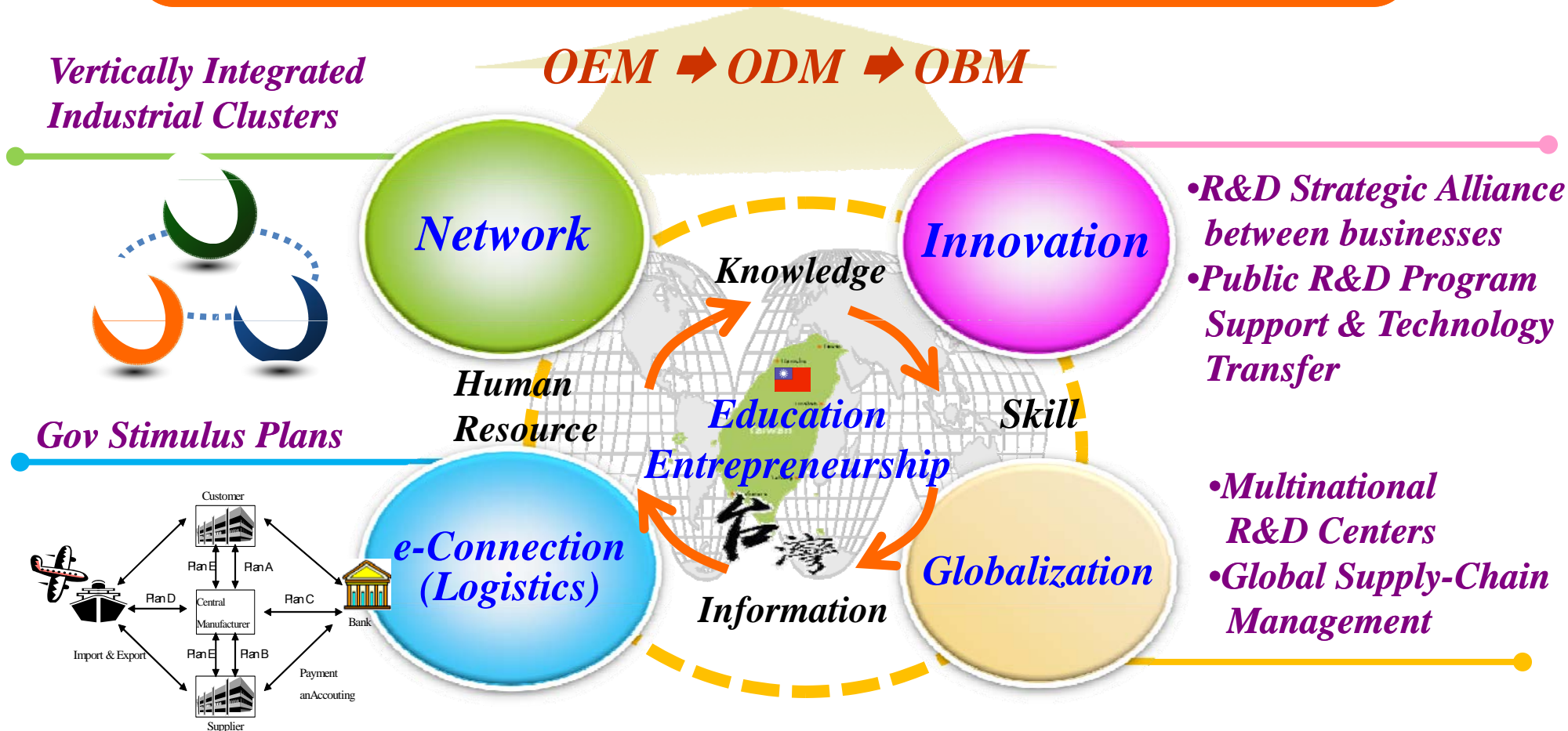
Outlines

- ❖ *Taiwan ICT status*
- ❖ *Taiwan ICT Hardware/Software Industry*
- ❖ *Future Developments*
- ❖ *When I meets T*



Open Innovation System

The Open Innovation System of Taiwan ICT Industry



Source: MIC/III, May, 2009.



Companies get recognition

BusinessWeek

June 1, 2009.

BusinessWeek's 2009 ranking of the tops in tech showcases companies that managed to thrive even in the face of a bruising global recession.



The InfoTech 10

BusinessWeek 2009 ranking of the tops in tech showcases companies that managed to thrive even in the face of a bruising global recession.

How do you pick through the world's best-performing tech companies? With the help of Standard & Poor's Compustat, BusinessWeek combed the financial results of tens of thousands of publicly traded businesses and ranked tech players on shareholder return, return on equity, total revenues, and revenue growth. Leading the list are those with the best aggregate ranking. (For a detailed explanation of methodology, see page 42.) Amazon.com was No. 1 for the second consecutive year, with Oracle No. 2 and IBM fifth. One trend this year: 43 U.S. companies made the list, up from 33 last year. Still, when we launched the list in 1998, 75 were U.S. companies.

Click column heading once to reorder from highest to lowest. Click twice to reorder from lowest to highest.

Rank ▲	Name	Industry	Country	Revenue (Millions)	Revenue Rank	Revenue Growth (%)	Revenue Growth Rank	Return on Equity (%)	Return on Equity Rank	Shareholder's Return (%)	Shareholder's Return Rank	Profits
1	AMAZON.COM	Net	U.S.	19,920	24	25	17	23	30	2	19	679
2	ORACLE	Soft	U.S.	23,630	21	12	50	25	26	-7	30	5,739
3	SAP	Soft	Germany	16,093	27	13	48	27	22	-9	32	2,698
4	INVENTEC	Comp	Taiwan	11,715	33	45	5	14	66	-2	24	165
5	IBM	Comp	U.S.	100,839	4	NA	96	91	1	-13	42	12,310
6	BHARTI AIRTEL	Tele	India	5,804	51	46	4	31	16	-16	51	1,439
7	QUANTA COMPUTER	Comp	Taiwan	25,295	18	5	80	24	29	7	13	625
8	WISTRON	Comp	Taiwan	8,859	45	55	3	19	44	-11	39	212
9	TENCENT HOLDINGS	Net	China	1,041	95	87	1	40	9	34	3	406
10	ACER	Comp	Taiwan	14,276	31	18	28	14	65	3	18	360

Source: http://bwnt.businessweek.com/interactive_reports/it100_2009/?chan=magazine+channel_in+depth



ICT Worldwide Recognition

<i>Publishing Institute</i>	<i>Results</i>
<i>WEF (2009)</i> <i>-Global Competitiveness Index</i>	<i>Global Ranking: No.12</i> <i>-Technological Readiness: No.18</i>
<i>WEF (2009)</i> <i>-Networked Readiness Index</i>	<i>Global Ranking: No.11</i> <i>-Individual/Business/Government Readiness: No. 22, 17, 8</i> <i>-Individual/Business/Government Readiness: No. 14, 6, 3</i>
<i>BERI (2010)</i> <i>-Profit Opportunity Recommendation</i>	<i>Global Ranking: No.4</i> <i>Asian Ranking: No.2</i>
<i>IMD (2010)</i> <i>-The World Competitiveness Yearbook</i>	<i>Global Ranking: No.8</i> <i>Asian Ranking: No.4</i>
<i>Brown University (2008)</i> <i>-Global E-Government</i>	<i>Global Ranking: No.2</i> <i>(Analysis of 1,667 government websites in 198 different nations)</i>
<i>Waseda University (2009)</i> <i>-E-Government Ranking</i>	<i>Global Ranking: No.8</i> <i>Asian Ranking: No.4</i>
<i>EIU (2009)</i> <i>-E-Readiness Rankings</i>	<i>Global Ranking: No.16</i> <i>Asian Ranking: No.5</i>

Source: WEF, BERI, IMD, Brown University(US), Waseda University(JPN), EIU, Compiled by MIC, May 2010
















❖ *Taiwan ICT Hardware/Software Industry*

❖ *Future Developments*

❖ *When I meets T*



Leading ICT products, made by Taiwan

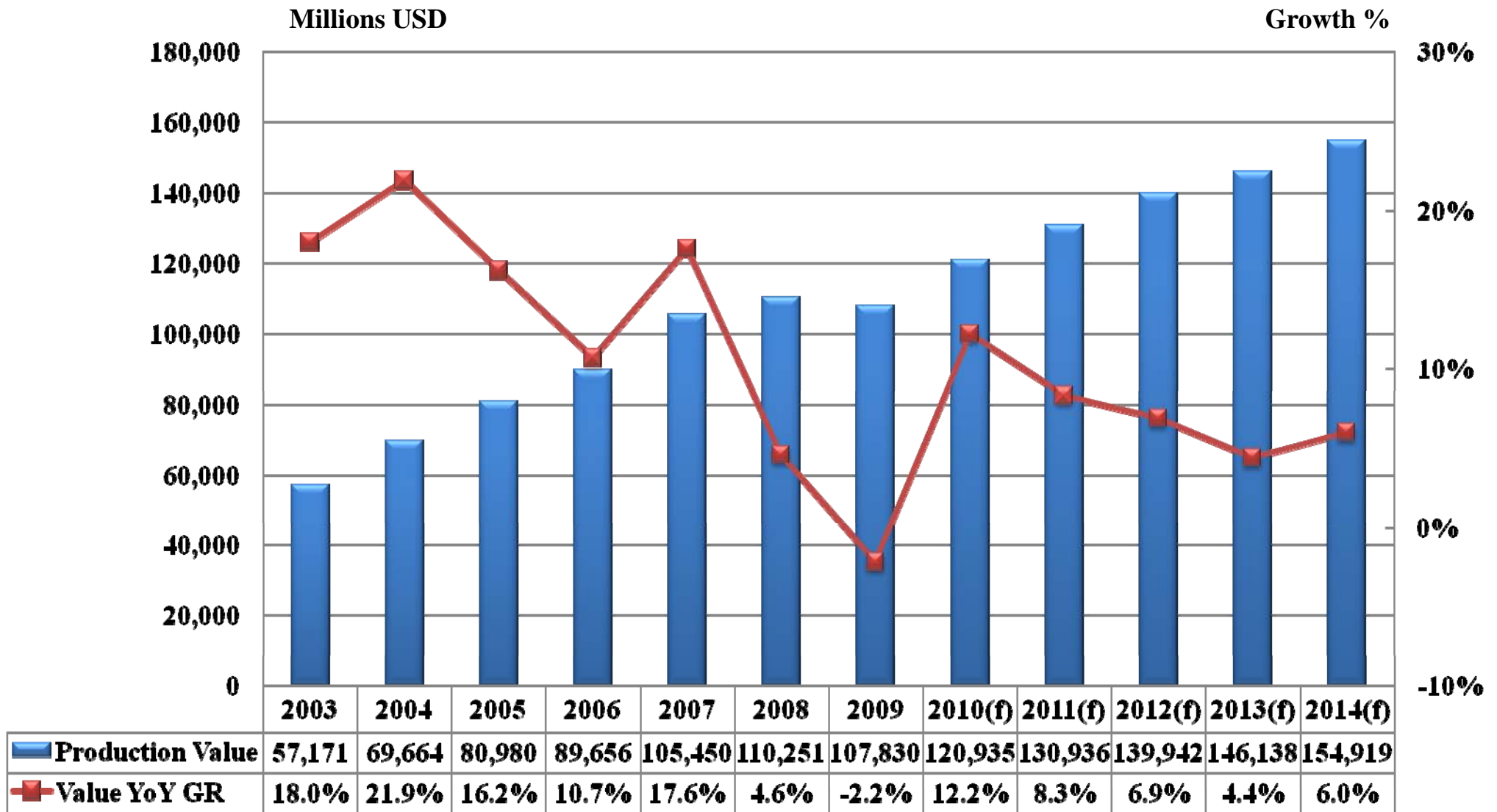
 <i>Product</i> 	<i>2009 Worldwide Market Share</i>	 <i>Product</i> 	<i>2009 Worldwide Market Share</i>
<i>Laptop</i> 	<i>95.3%</i>	<i>Cable CPE</i> 	<i>93.0%</i>
<i>Motherboard</i> 	<i>93.5%</i>	<i>WLAN NIC</i> 	<i>90.8%</i>
<i>Netbook PC</i> 	<i>90.7%</i>	<i>DSL CPE</i> 	<i>65.0%</i>
<i>Server (System/MB)</i> 	<i>88.7%</i>	<i>IP Phone</i> 	<i>54.0%</i>
<i>LCD Monitor</i> 	<i>71.8%</i>	<i>Taiwan Inside®</i>	

- ❖ *WLAN AP, Cable STB, ODD and DSC ranked 2nd, 2009*
- ❖ *85% of PCs and 80% of data communications equipment, in the world are produced by Taiwan.*

Source: MIC/III, Mar. 2010.



IT Hardware Shipment Value

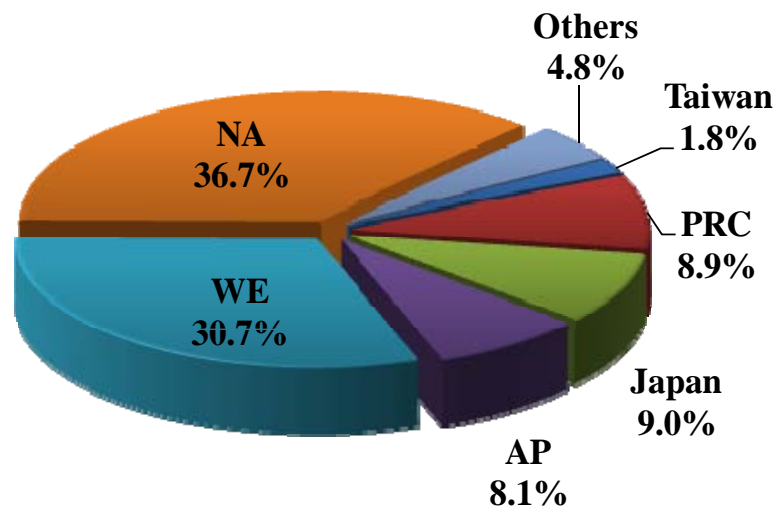


Source : MIC/III , Mar. 2010



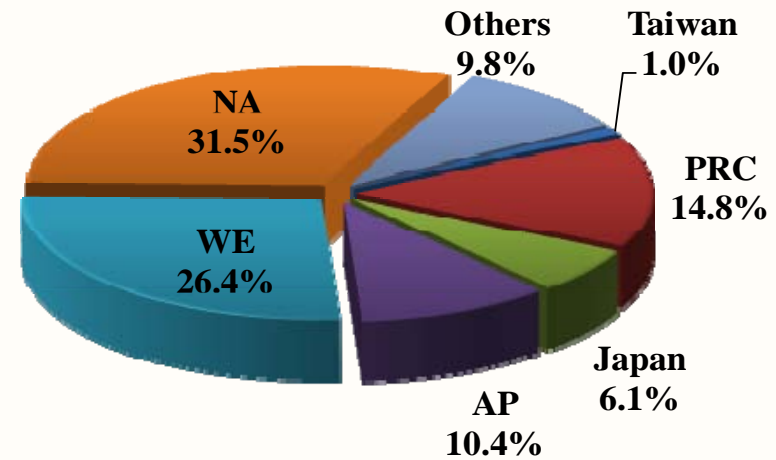
IT Hardware Shipment Area

2008
*Worldwide shipment
by area*



Production Value:
US\$110,251M

2009
*Worldwide shipment
by area*

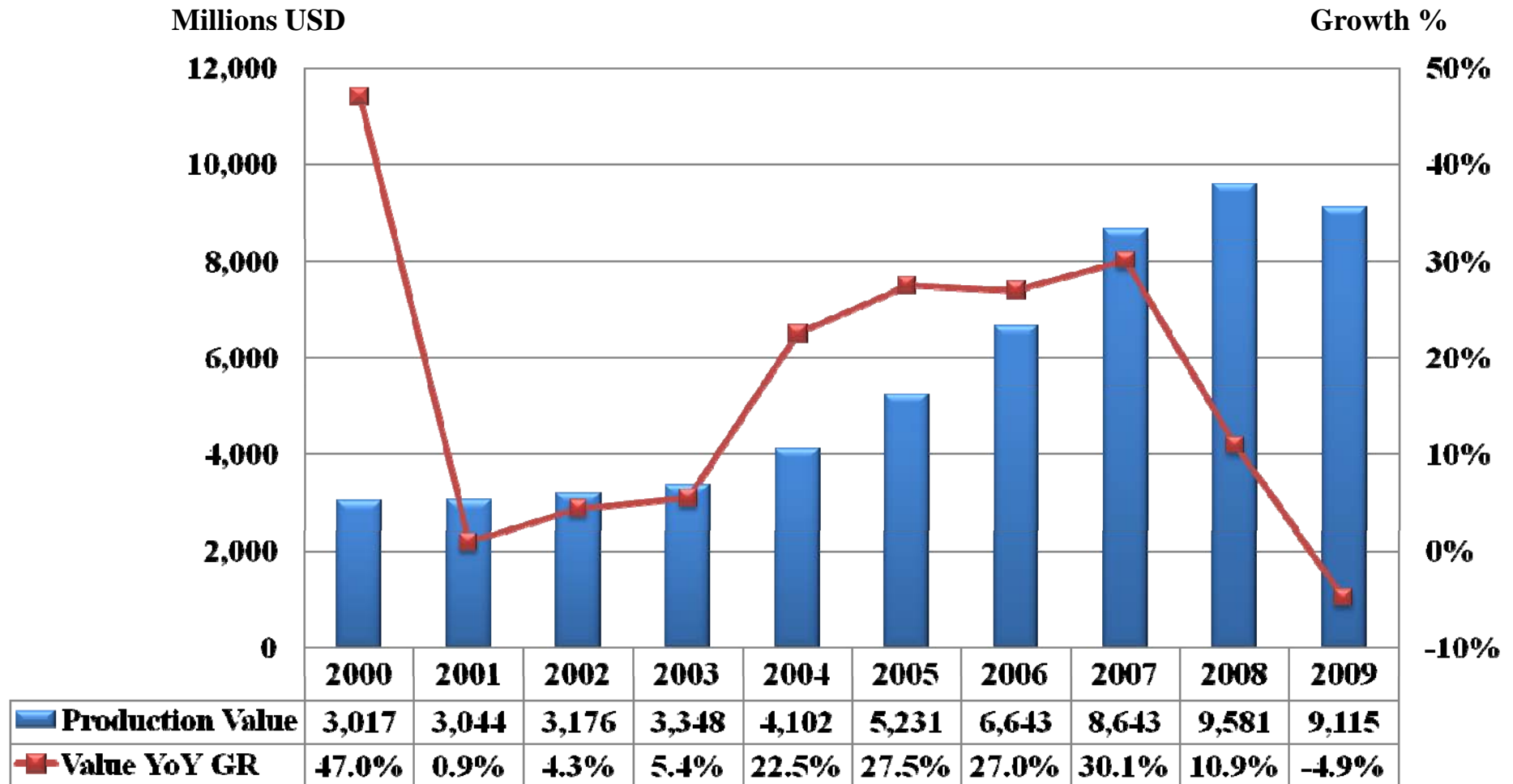


Production Value:
US\$107,830M

Source : MIC/III , Mar. 2010



Data Communications Shipment Value



WLAN NIC, DSL CPE, Cable CPE, VoIP CPE, IP phone

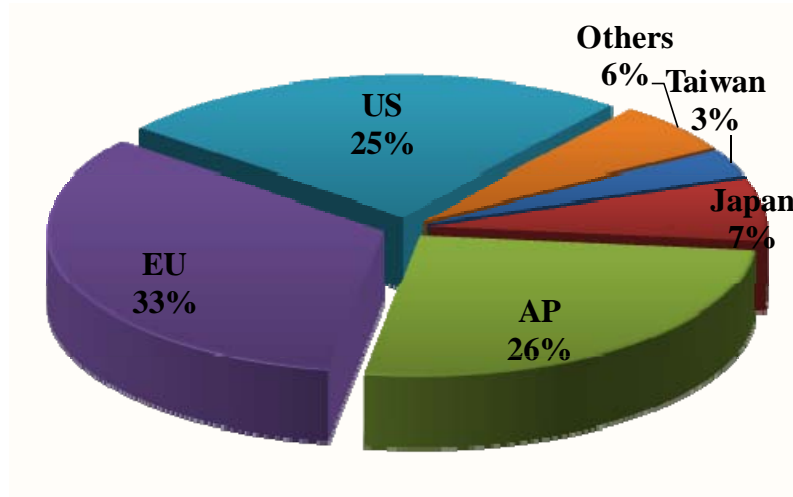
Source : MIC/III , Mar. 2010



Data Communications Shipment Area

2008

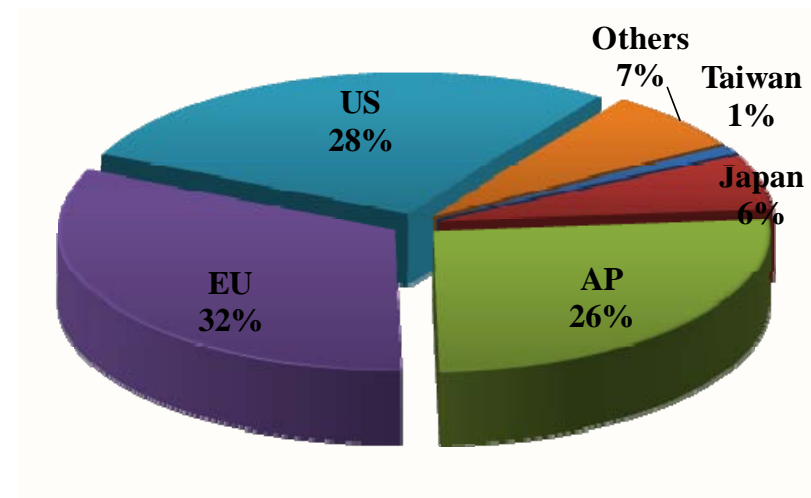
**Worldwide shipment
by area**



**Production Value:
US\$9,581M**

2009

**Worldwide shipment
by area**

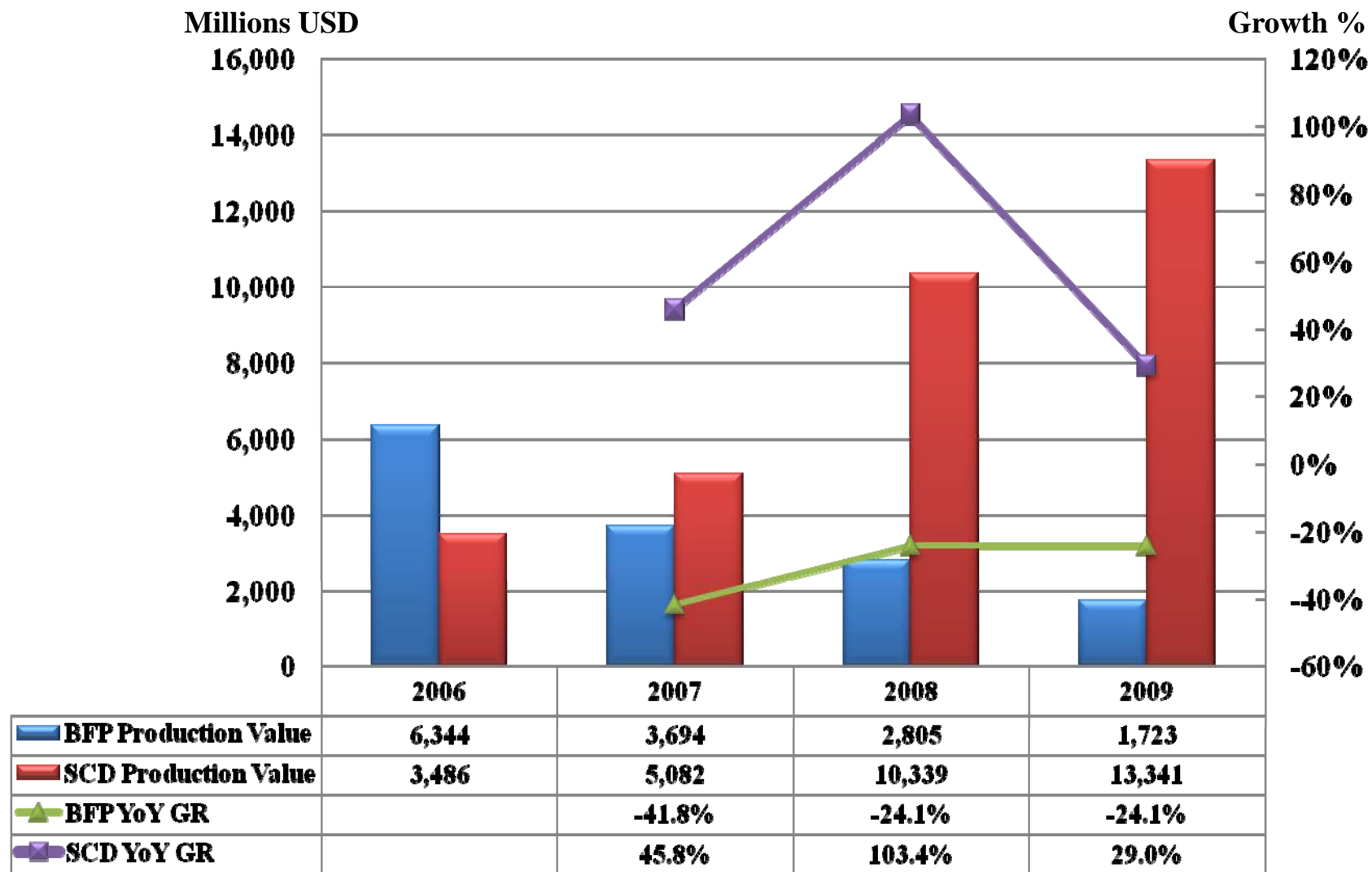


**Production Value:
US\$9,115M**

Source : MIC/III , Mar. 2010



Mobile Handheld Devices Shipment Value



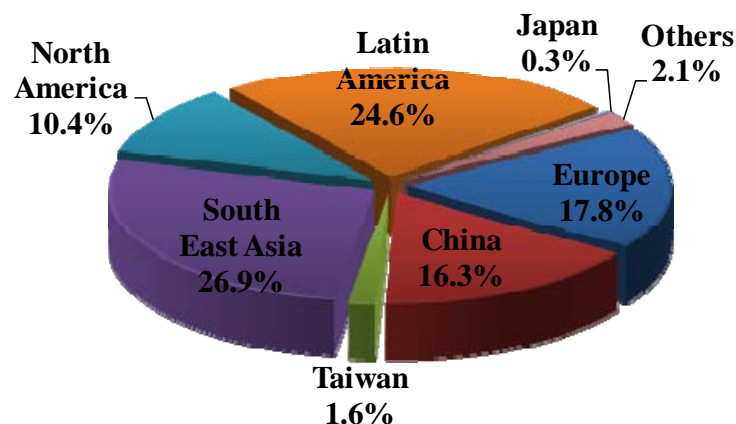
❖ BFP: Basic/Feature Phone, SCD: Smart Cellular Device

Source : MIC/III , Mar. 2010



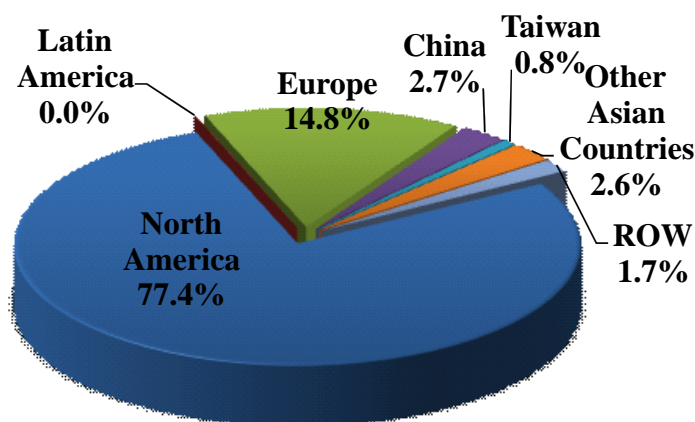
Mobile Handheld Devices Shipment Area

Basic/Feature Phone **2008**



Production Volume : 75,370 K Units

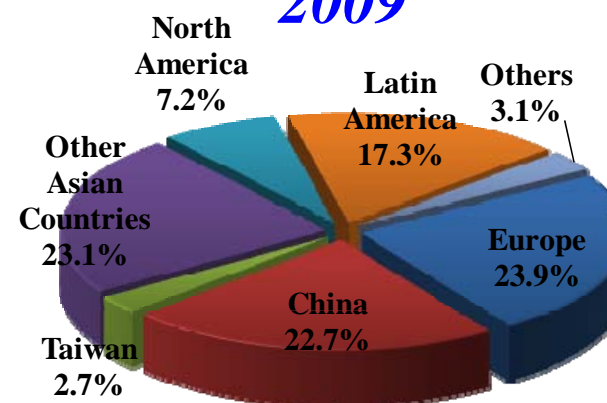
Smart Cellular Device



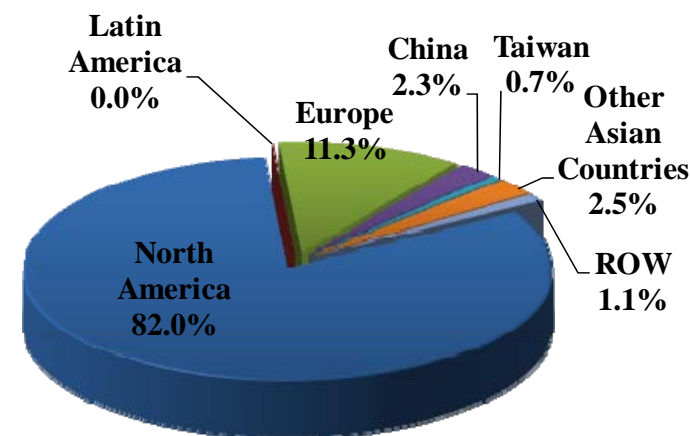
Production Volume : 10,000 K Units

Source : MIC/III, Mar. 2010

2009



Production Volume : 38,439K Units

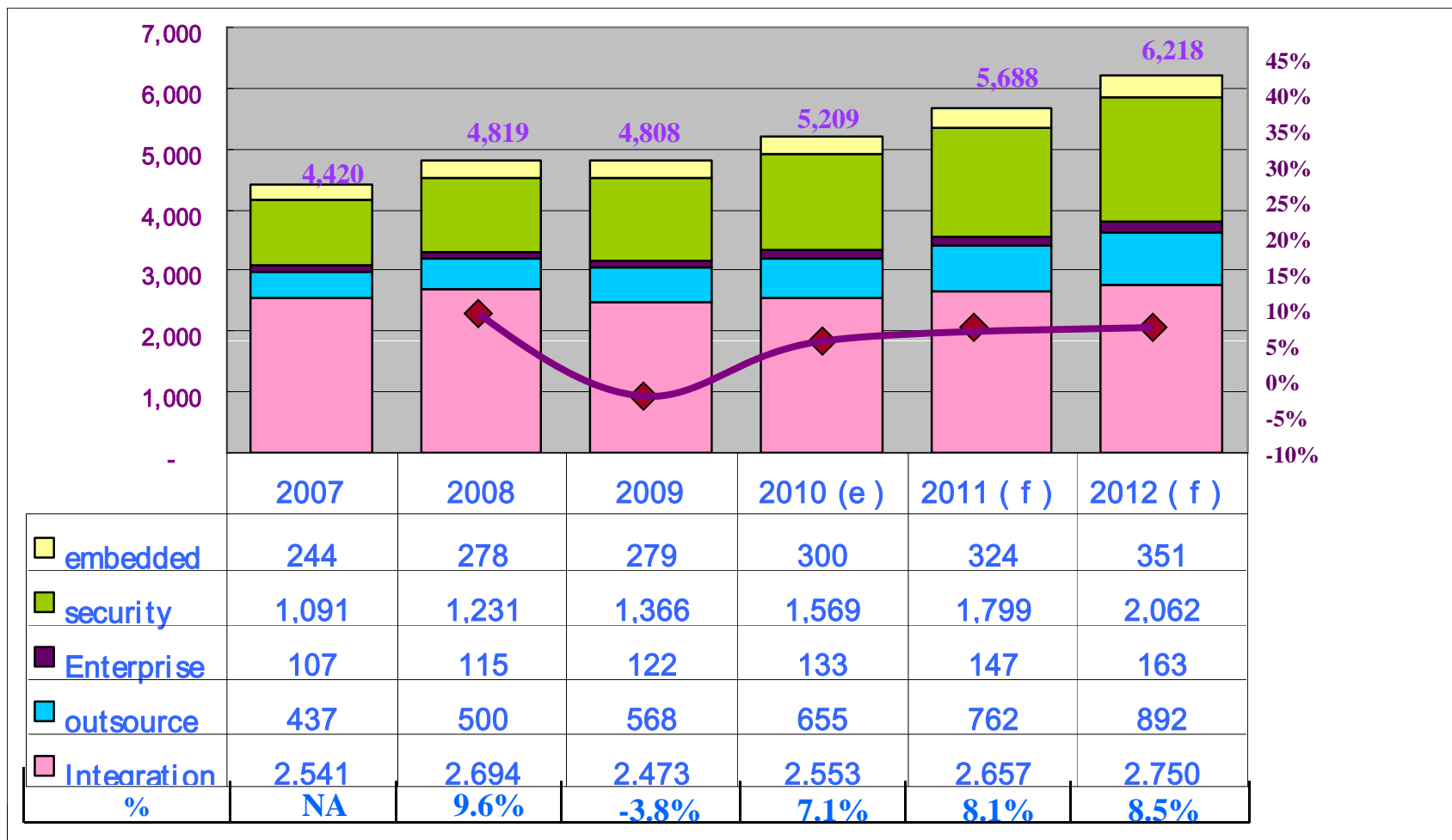


Production Volume: 45,494K Units



Taiwan Software market 2007-2012

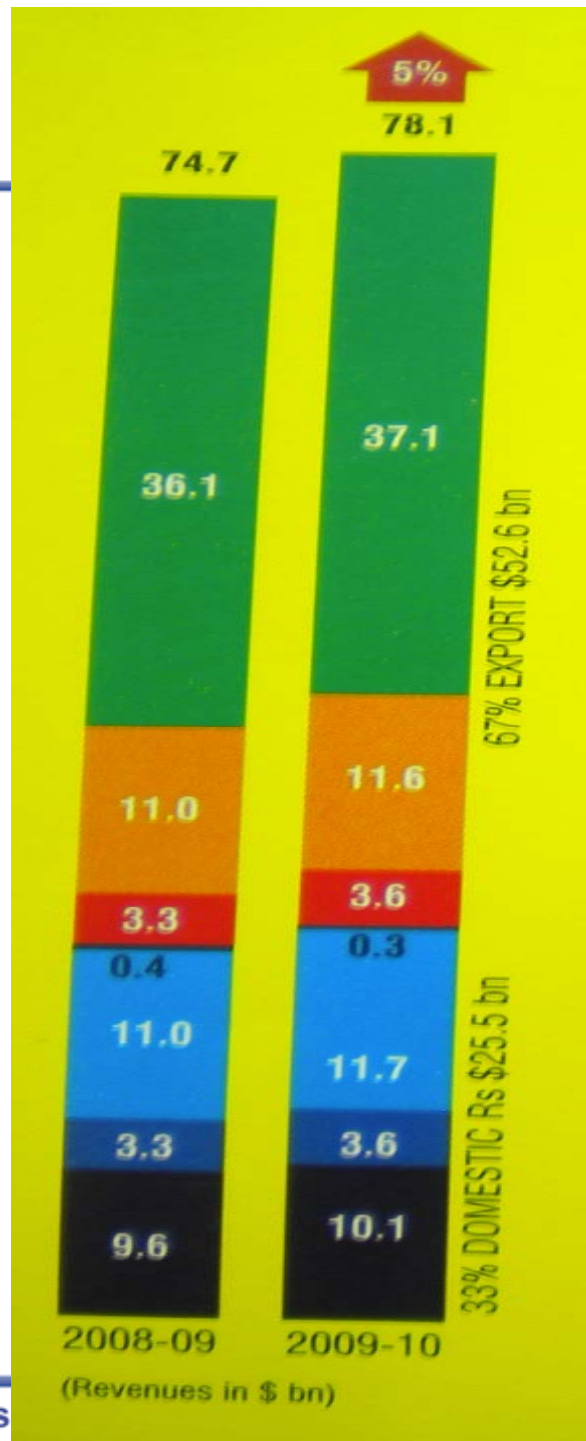
❖ Taiwan software market 2007-2012 in USD Million



Source : MIC/III, Mar. 2010



❖ *Data quest 2010*



INDIAN IT INDUSTRY 2009-10

2009-10: US\$ 1=Rs 47.58
2008-09: US\$ 1=Rs 46.47

- IT SERVICE EXPORTS
- BPO EXPORTS
- OTHER SERVICE EXPORTS
- HARDWARE EXPORTS
- DOMESTIC HARDWARE
- DOMESTIC SOFTWARE
- DOMESTIC SERVICE



❖ *Taiwan ICT status*

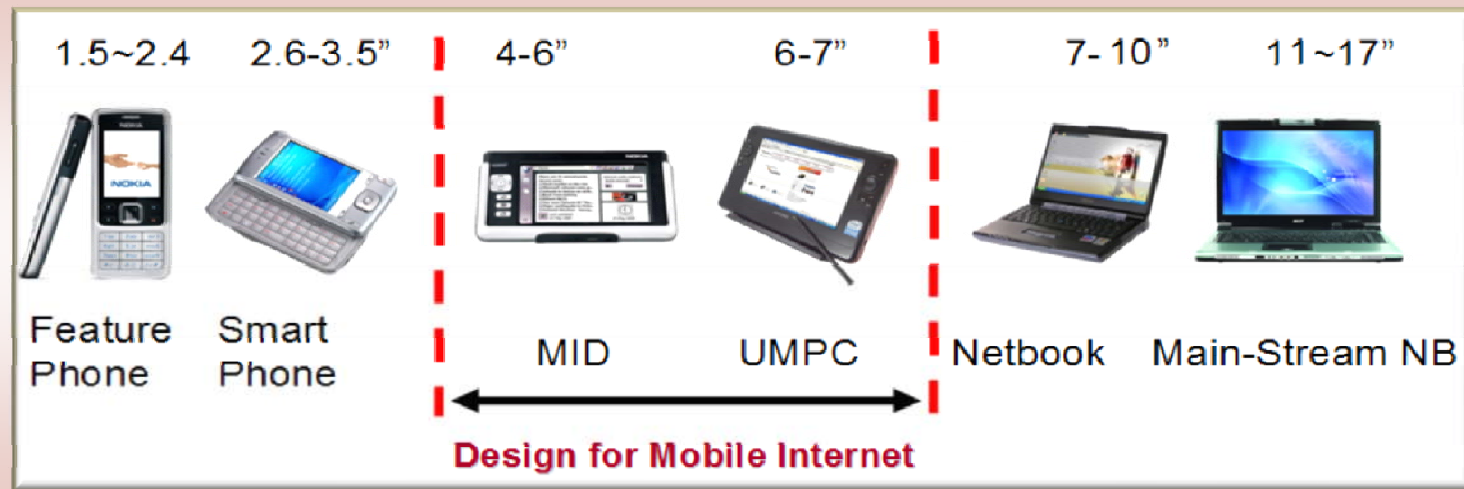
❖ *Taiwan ICT Hardware/Software Industry*

❖ ***Future Developments***

❖ *When I meets T*



Intelligent mobile device takes top spot



(MID: Mobile Internet Device, UMPC: Ultra Mobile PC)



ICT product is no longer just Hardware...



- *ICT = Hardware + Software + Service... and **Content is KING.***
- *Business Model (Handset+PC+3.5G Mobile Service)*



❖ *Taiwan ICT status*

❖ *Taiwan ICT Hardware/Software Industry*

❖ *Future Developments*

❖ ***When I meets T***



When India meets Taiwan ...

- ❖ *When software meets hardware*
- ❖ *When embedded meets component*
- ❖ *When talent merge together*
- ❖ *The only and the last chance !*
 - *Let I.T. make products together*
 - *Let I.T. market together*
- ❖ *ICT Domestic demand to create industry*
 - *Computer, Solar, TV, mobile, ...*



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How efficiency

❖ *How long to get a company register and how much invest ?*

	<i>Days</i>	<i>Cost (USD)</i>	<i>Taiwan invested (USD M) year 2010 ^[1]</i>
<i>Vietnam</i>	<i>90</i>	<i>700</i>	<i>534.5</i>
<i>China</i>	<i>75-90</i>	<i>700</i>	<i>13,317.0 ^[2]</i>
<i>EUN</i>	<i>45</i>	<i>6,000</i>	<i>47.6</i>
<i>Singapore</i>	<i>30</i>	<i>N/A</i>	<i>31.8</i>
<i>Taiwan</i>	<i>15-30</i>	<i>500</i>	<i>To India 3.2</i>

❖ *One news^[3]*

❖ *Foxconn in China: from initial setup to ship products within 2.5months (76 days)*

Source: [1] INVESTMENT COMMISSION, MOEA, Taiwan, , III integrated, 2010

[2] <http://tw.news.yahoo.com/article/url/d/a/101231/58/2k0dh.html>

[3] <http://tw.news.yahoo.com/article/url/d/a/101229/4/2jujt.html>