



矽創電子股份有限公司

8016:TT

Investor Conferences Q3 2018

矽創電子股份有限公司

Strategic Marketing Director

Jacky Chou 周德雲

Investor Relations Officer

Vivian Mao 毛廷方



公司簡介

公司名稱 矽創電子股份有限公司

成立日期 1998年7月

資本額 40M USD (USD/TWD=30)

董事長暨執行長 毛穎文 Vincent Mao

員工數 385 (集團: 657)

總公司 新竹

辦事處 臺北 / 深圳 / 上海

臺灣證券交易所上市 2003年12月 (8016)



Head office
(Hsinchu Tai Yuen Hi-Tech Industrial Park, Taiwan)

矽創集團及子公司

Sitronix

Display Driver IC
SoC & controller IC



FORCELEAD

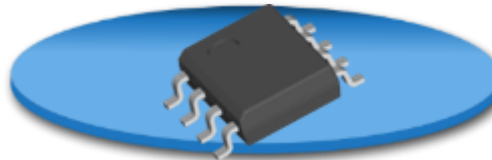
mCore

MCU/DSP



infinNO

Power Management IC



sensortek

Sensor IC



產品組合

Mobile Displays

Mobile Display Driver IC
(手機顯示器)

Industrial & Automotive Displays

Automotive Display Driver IC
(車載顯示器)

Industrial Display Driver IC
(工控顯示器)

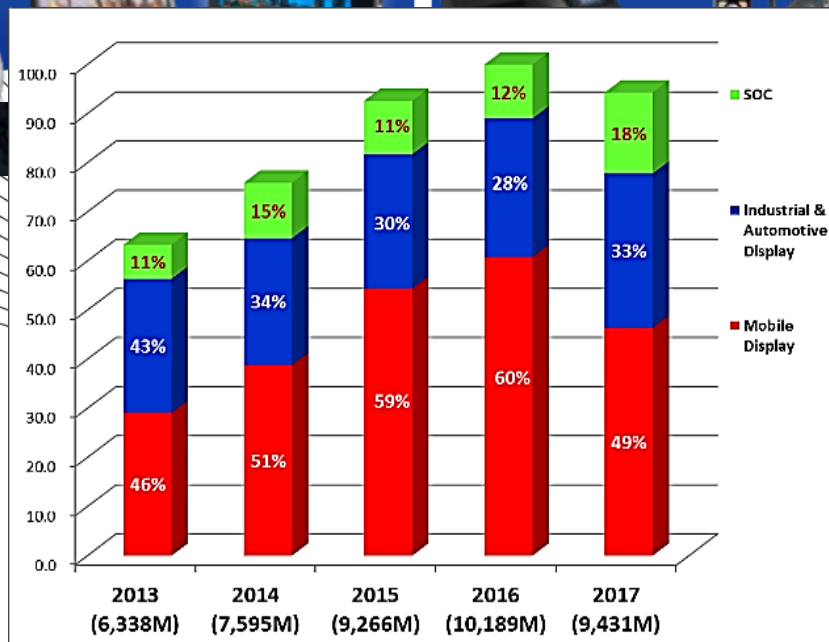
SoC

System on chip (SoC) products
(其他非顯示器 IC)



Subsidiaries

FORCELEAD (76%)



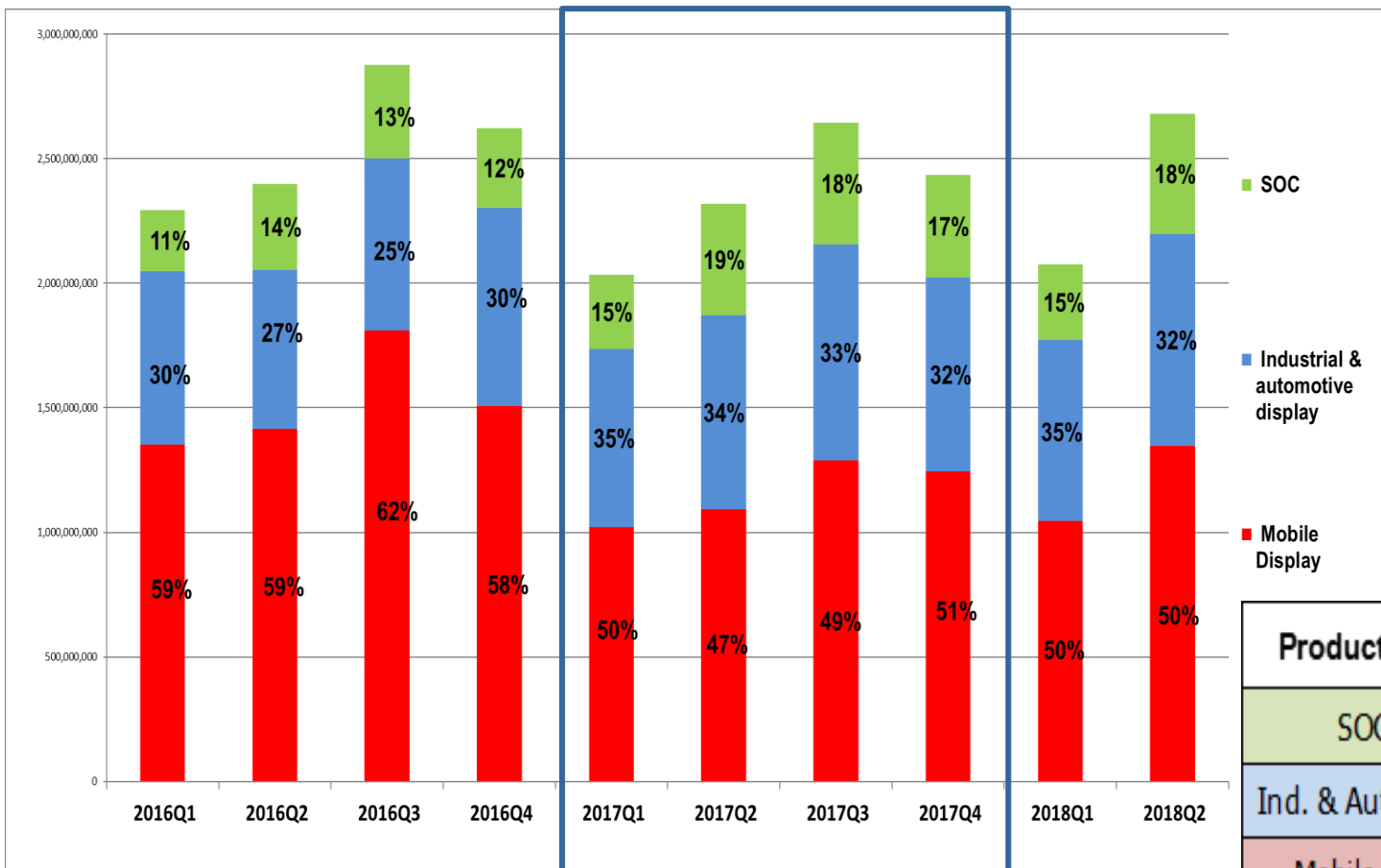
Subsidiaries

mCore (91%)

infinno (64%)

sensortek (54%)

季度產品組合, 2016 - 2018



Product Mix	18Q2 QoQ	18Q2 YoY	2018 1H_YoY
SOC	60.0%	8.0%	5.3%
Ind. & Auto DDI	17.0%	9.1%	5.5%
Mobile DDI	28.8%	23.4%	13.3%

月營收, 2016 - 2018

(K) ntd	2016	YoY Month	Quarterly amount	2017	YoY Month	Quarterly amount	YoY_Q	2018	YoY Month	Quarterly amount	YoY_Q
1	882,133	11.6%	2,293,837	600,199	-32.0%	2,034,300	-11.3%	781,237	30.2%	2,074,724	2.0%
2	551,635	4.4%		622,643	12.9%			462,190	-25.8%		
3	860,069	10.3%		811,458	-5.7%			831,297	2.4%		
4	830,363	12.5%	2,397,574	750,792	-9.6%	2,318,317	-3.3%	860,299	14.6%	2,682,651	15.7%
5	791,445	23.4%		710,736	-10.2%			901,245	26.8%		
6	775,766	10.3%		856,789	10.4%			921,107	7.5%		
7	810,932	5.2%	2,875,078	881,044	8.6%	2,643,141	-8.1%	922,769	4.7%		QoQ → 29.3%
8	981,682	21.0%		891,613	-9.2%			901,386	1.1%		
9	1,082,464	21.4%		870,484	-19.6%						
10	981,718	15.3%	2,623,256	781,637	-20.4%	2,435,304	-7.2%				
11	890,831	3.5%		813,378	-8.7%						
12	750,707	-16.4%		840,289	11.9%						
Total	10,189,745	9.97%		9,431,062	-7.45%		-7.45%	6,581,530			
1 to 8 yoy				6,125,274				6,581,530	7.4%		

Unit: NT\$ thousands
Accounting standard: IFRS

手機顯示器驅動 ICs -1

Feature phone DDI

→ Small-sized DDI

QQVGA 160x120 - Zero Cap.

QCIF 220x176 - Zero Cap.

QVGA 320x240 - Zero Cap.

WQVGA 400x240 - Zero Cap.

2016: > 500M pcs

2017: > 500M pcs



4G Kids watch



Wristband



4G feature phone



New applications:
Wearable, healthcare, sports & IOT devices

手機顯示器驅動 ICs -2

Smartphone DDI

HVGA 480x320 (Q4 14 MP) - Zero Cap.
 WVGA 800x480 (Q4 15 MP) - Zero Cap.
 HD720 1280x720 (Q4 17 MP) - Zero Cap.
 FHD 1920x1080 (Q3 18 ES) - Zero Cap.
 FHD TDDI (Q3 18 ES) - Zero Cap.
 2016: > 100M
 2017: > 90M



Android Go

主要針對1GB以下記憶體、8GB以下儲存容量手機進行優化，使其可在作業系統以外騰出更多資料存放空間，最高可減少50%的App佔用空間，其中針對流量較低、快速啟用需求設計的特別版App內容：包含Google Assistant Go、Files Go、Google Go、Google Maps Go、Gmail Go、YouTube Go、Gboard、Chrome等特製App，約可提昇15%的執行速率。



Model	Micromax Bharat Go	Lava Z50	Nokia 1	ZTE Tempo Go	Alcatel 1X
CPU		6737M	6737M	210	6739
Display Size	4.5	4.5	4.5	5	5.3
Resolution	854	854	854	854	960
	480	480	480	480	480
RAM	1G	1G	1G	1G	1G
ROM	8G	8G	8G	16G	16G
Camera	5M/2M	5M/5M	5M/2M	8M/5M	8M/5M
Price(US)	46	67	85	80	96

矽創專利：零電容方案 (無外部元器件)

Sitronix Zero Cap Solution



Conventional
LCD module



2~20 components
on FPC



Zero Cap.
LCD module



0 components
on FPC

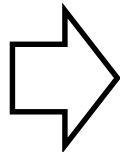
- ✓ Competitive BOM cost
- ✓ Low processing cost
- ✓ Thin modules
- ✓ High reliability



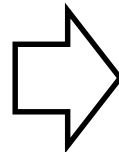
Less FPC size



Competitive
BOM cost



Low processing
cost



Short lead
time



high reliability

TN / STN / mono TFT / color TFT

-

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車載顯示器驅動 ICs

< 6 inch displays

Instrument Cluster Display

Analog



No Display

Hybrid (Analog + Digital)



Meters

Full Digital



Virtual Cockpit



7 - 9 inch displays

Automobile Monitors



Multi-Function CSD



Display Audio



Climate Control



Twin CSDs
Display Audio
+
Navigation



Rearview Mirror Display



Overhead Monitor



Dual Headrest



Segment TN

Character TN

Graphic STN

Mono TFT

Color TFT

Light sensors

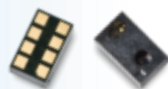
Ambient Light Sensors

CMOS Circuit



Proximity Sensors

CMOS circuit



2-in-1 P-sensors for smartphones



Smartphone market

2016: >140M
2017: >200M

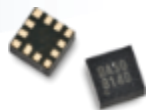
- ✓ ALS + Gesture control P-sensors
- ✓ ALS + Small sensor holes P-sensors
- ✓ ALS + None sensor holes P-sensors



MEMS sensors

Accelerometers

CMOS Circuit
MEMS Process



Smartphone market

2016: > 20M
2017: > 25M

- ✓ G-sensor for Smartphone market
- ✓ Low power G-sensor for IoT / wearable devices



SOC

mCore

8/16/32 bit MCU

DSP (digital audio)



Card readers



SOC

infinno

Power Management ICs

AC-side power management & PWM IC



支援物聯網(IoT)相關元件及方案



移動互聯網
行動支付



智慧居家
智慧電網



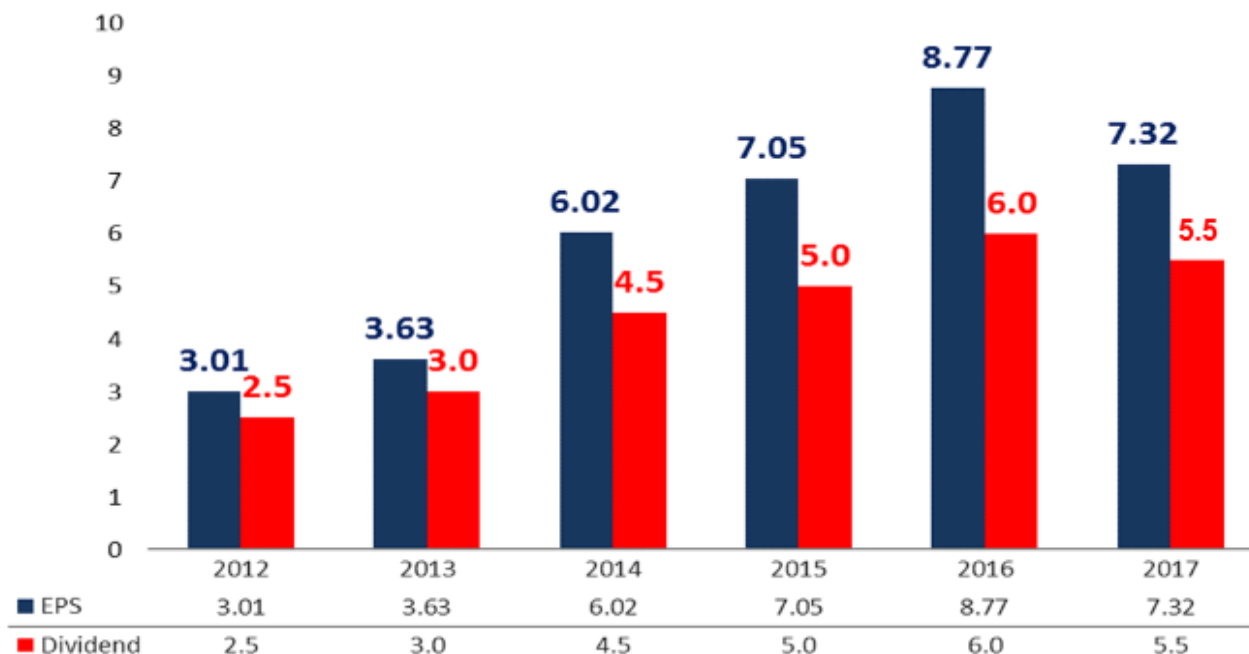
智慧城市
智慧交通



電動車
車聯網

802.11p
DAB+
DAB
HD Radio
ISDB-T
SiriusXM
CMMB
DRM
NFC
LF, UHF
CAN
lin
Ethernet
FlexRay

歷年 EPS & 配息資訊



(unit: M ntd)	18Q2			18Q1
		QoQ	YoY	
營業收入	2683	29.4%	15.7%	2074
營業毛利	644	30.1%	3.7%	495
毛利率(%)	24.03			23.87
營業費用	419	18.4%	5.0%	354
營業利益	225	59.6%	1.8%	141
稅前淨利	257	89.0%	8.9%	136
稅後淨利	218	67.7%	5.3%	130
EPS	1.83	66.4%	5.2%	1.10

Year	Q1		Q2		Q3		Q4		Annual		
	EPS	GM	EPS	GM	EPS	GM	EPS	GM	EPS	GM	Cash dividend
2018	1.10	24%	1.83	24%							
2017	1.38	29%	1.74	26%	2.08	26%	2.13	25%	7.32	27%	5.5
2016	1.97	30%	1.87	27%	2.53	27%	2.41	28%	8.77	28%	6.0
2015	1.65	29%	1.33	25%	1.97	26%	2.10	27%	7.05	27%	5.0
2014	1.22	29%	1.23	27%	1.60	26%	1.97	27%	6.02	27%	4.5

1H_2018	
EPS	GM
2.93	24%

Strategic Marketing Director

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Thank you



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Sitronix

Consolidated Income Statement

Item	Q2 18		Q1 18		2017 Annual		Q4 17		Q3 17		Q2 17		Q1 17	
	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	2,682,651	-	2,074,724	-	9,431,062	-	2,435,304	-	2,643,141	-	2,318,317	-	2,034,300	-
Gross Profit	644,536	24%	495,267	24%	2,514,333	27%	620,120	25%	681,435	26%	620,526	26%	592,252	29%
Operating Expense	419,292	15%	354,230	17%	1,660,796	18%	440,208	18%	421,640	16%	399,308	17%	399,640	20%
Operating Income	225,244	9%	141,037	7%	853,537	9%	179,912	7%	259,795	10%	221,218	10%	192,612	9%
Income before Tax	257,251	10%	136,621	7%	988,268	10%	282,827	11%	280,089	10%	236,338	10%	189,014	9%
Net Income*	218,207	8%	130,810	6%	873,158	9%	253,391	11%	247,653	10%	207,274	9%	164,840	8%
EPS	1.83	-	1.10	-	7.32	-	2.13	-	2.08	-	1.74	-	1.38	-

* Listed on the English translation of our financial statements as "Profit (loss), attributable to owners of parent"

Unit: NT\$ thousands (except EPS)

Accounting standard: IFRS

Consolidated Balance Sheet

Item	2018/6/30	2018/3/31	2017/12/31	2017/9/30	2017/6/30	2017/3/31
Total Assets	8,033,661	7,444,294	7,030,995	7,450,386	7,503,718	7,606,598
Current Assets	5,944,339	5,471,542	5,057,965	5,755,772	5,777,396	5,910,276
Cash & Equivalents	2,405,012	2,095,484	1,421,885	1,701,371	1,915,400	1,904,997
AR	1,282,062	1,061,062	1,009,582	1,064,768	966,750	814,051
Inventory	1,383,334	1,593,972	1,735,070	1,794,180	1,870,276	2,082,906
Total Liability	3,336,640	2,368,288	2,032,751	2,392,036	2,794,884	2,373,420
AP	1,451,449	1,015,965	1,144,972	1,433,793	1,102,191	1,377,563
Shareholder Eqt.	4,697,021	5,076,006	4,998,244	5,058,350	4,708,834	5,233,178

Unit: NT\$ thousands
Accounting standard: IFRS