

Investor Conferences 4Q 2019

Sitronix Technology Corp.
矽創電子股份有限公司
8016 : TT

The background features a dynamic arrangement of semi-transparent, multi-colored squares (in shades of orange, red, purple, blue, and green) that appear to be floating or falling. Interspersed among these squares are patterns of small dots, some solid and some forming larger grid-like structures. The overall effect is a modern, tech-oriented aesthetic.

Sitronix

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
董事長暨執行長	毛穎文 Vincent Mao
員工數	402 (集團: 763)
臺灣證券交易所上市	2003年12月 (8016)



矽創電子

Sitronix

Display Driver IC



Consolidated

鈺創電子(91%)

昇佳電子(50%)

sensortek
Sensor IC



mCore
MCU/DSP



合肥創發微電子(90%)

HFST
Touch & Fingerprint IC



力領科技(84%)

FORCELEAD



極創電子(64%)

INFST
Power Management IC



Incubator since 2009

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

Sensors

SoC

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



Subsidiaries



Subsidiaries

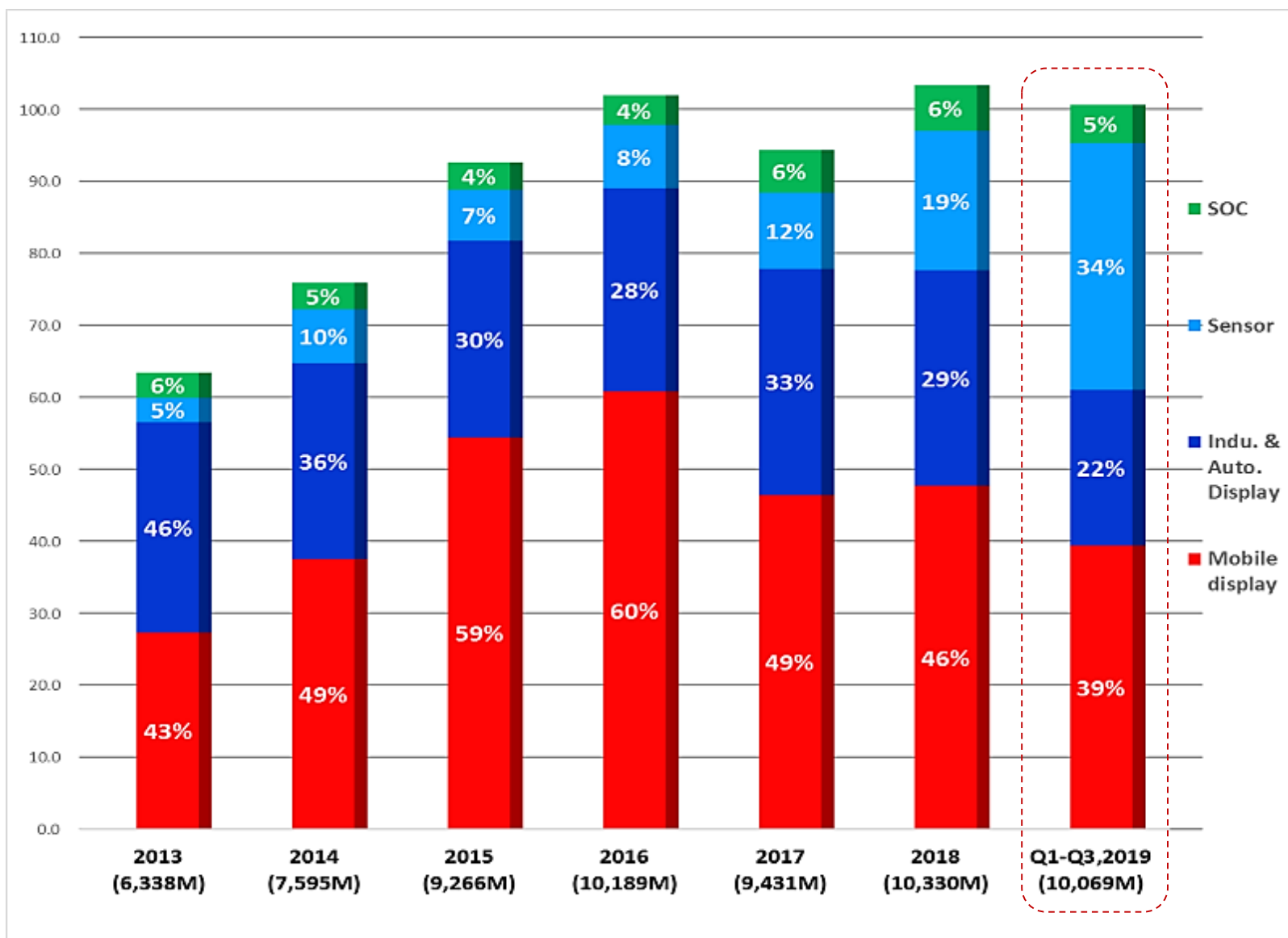


Differentiation

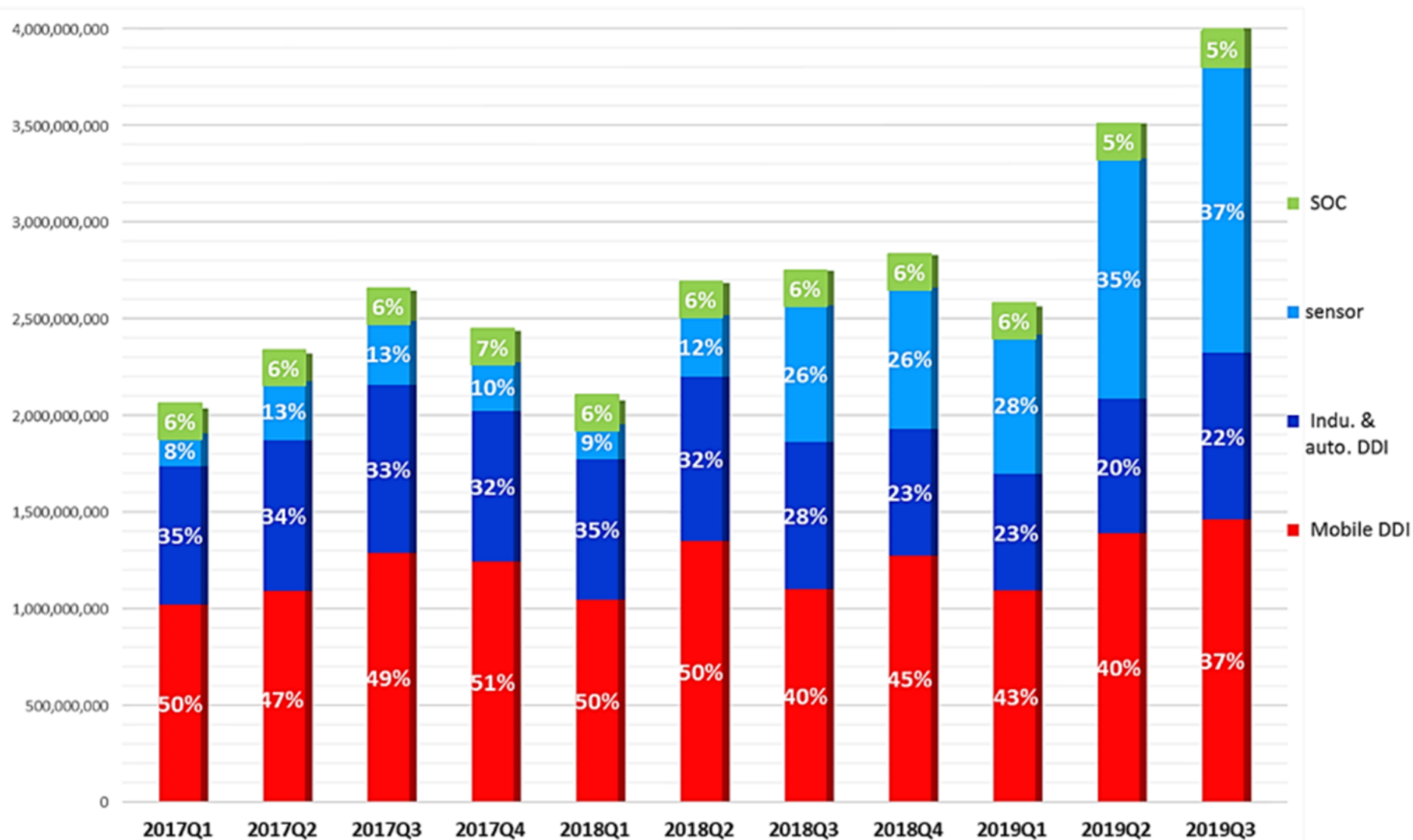
Diversification

Incubator

年度合併營收_依產品別分類



季度合併營收_依產品別分類



Unit: NT\$ thousands

合併月營收(MoM/YoY), 2018 - 2019

(K) ntd	2017	YoY_M	Quarterly amount	YoY_Q	2018	Quarterly amount	YoY_Q	2019	YoY_M	Quarterly amount	YoY_Q	MoM
1	600,199	-32.0%	2,034,300	-11.3%	781,237	2,074,724	2.0%	920,272	17.8%	2,561,593	23.5%	0.61%
2	622,643	12.9%			462,190			657,782	42.3%			-28.52%
3	811,458	-5.7%			831,297			983,539	18.3%			49.52%
4	750,792	-9.6%	2,318,317	-3.3%	860,299	2,682,651	15.7%	1,104,244	28.4%	3,507,731	30.8%	12.27%
5	710,736	-10.2%			901,245			1,200,808	33.2%			8.74%
6	856,789	10.4%			921,107			1,202,679	30.6%			0.16%
7	881,044	8.6%	2,643,141	-8.1%	922,769	2,746,000	3.9%	1,275,772	38.3%	4,000,478	45.7%	6.08%
8	891,613	-9.2%			901,386			1,335,334	48.1%			4.67%
9	870,484	-19.6%			921,845			1,389,372	50.7%			4.05%
10	781,637	-20.4%	2,435,304	-7.2%	940,776	2,827,130	16.1%	1,316,438	39.9%			-5.25%
11	813,378	-8.7%			971,631			1,215,179	25.1%			-7.69%
12	840,289	11.9%			914,723							
Total	9,431,062	-7.4%		-7.45%	10,330,505			12,601,419				
	1 - 6 yoy				4,757,375			6,069,324	27.6%			
	1 - 11 yoy				9,415,782			12,601,419	33.8%			

Unit: NT\$ thousands
Accounting standard: IFRS

手機顯示器驅動 ICs

Small-sized DDIC - ZeroCap

2017/18: ~ 500M pcs



Smartphone DDIC

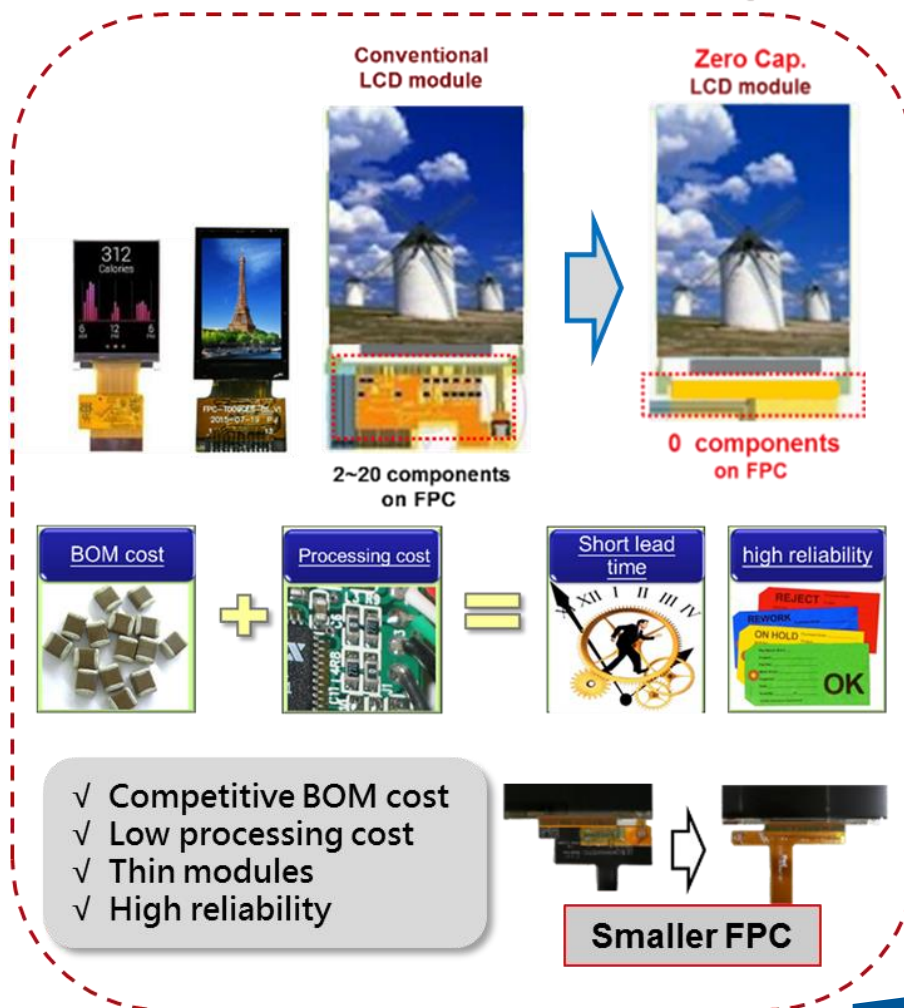
WVGA 800x480 (Q4 15 MP) - Zero Cap.
 HD720 1280x720 (Q4 17 MP) - Zero Cap.
 FHD 1920x1080 (Q1 19 MP) - Zero Cap.

2017: > 90M
 2018: > 130M pcs



Differentiation

Sitronix's Patents



車載顯示器驅動 ICs

Diversification

< 6 inch displays

7 - 9 inch displays

Instrument Cluster Display

Analog



No Display

Hybrid (Analog + Digital)



Meters

Full Digital



Virtual Cockpit



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

- 新車趨勢 → 顯示器數增多
- 大尺寸顯示器案增多 → DDI 顆粒數增加 (Source & Gate 分離)

工控類顯示器驅動 ICs

TN / STN / mono TFT / color TFT



Ultra Low Power a-TFT Driver for new applications :

- IoT / Wearable devices / E-payment ...



光學感測晶片 Optic Sensor

Ambient Light Sensors

→ screen brightness control
環境光感測器 → 調節螢幕亮度

Proximity Sensors

→ turn off display (Anti-touch)
近接感測器 → 關屏(防誤觸)



Optic sensor shipment

2017 : >200M
2018 : >340M
1H 2019 : >250M

- G1. PS (w/T) + ALS (visible sensor hole solution)
- G2. PS (w/T) + ALS (invisible sensor hole solution)
 - Under display type (屏下方案) → AMOLED display
 - Slit type (狹縫方案) → TFT display with backlight
- G3. PS + RGB sensing (精準色溫偵測)

Smartphone display evolution :

16:9 aspect ratio

G1. PS (w/T) + ALS (visible sensor hole)



Bezel-less screen

G2. PS (w/T) + ALS (invisible sensor hole)
Under display type → AMOLED display
Slit type → TFT display (with backlight)



ALS / PS

● 水滴屏 (Teardrop-shaped)

● 全面屏 (Bezel-less screen)

狹縫 ALS/PS

狹縫 PS / 屏下 ALS

前攝旁 ALS/PS



屏下 ALS/PS

狹縫 PS / 屏下 ALS



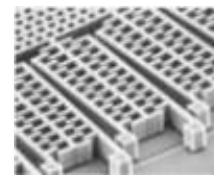
微機電感測晶片 MEMS sensor

G sensor shipment

2017 : >25M

2018 : >30M

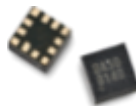
1H_2019 : >20M



Accelerometers (G-sensor)

→ Rotates detection

加速度感測器 → 屏幕旋轉偵測



✓ G-sensor for Smartphone market

✓ Low power G-sensor for wearable & IoT devices

Smartphone application :



屏幕旋轉
Screen rotation



自動靜音
Automatic mute



遊戲
Game control



手勢偵測
Gesture detection



接聽輔助
Answering aid



SOC



合肥创发微电子 (HFST)

Touch controller & FPIC

Established - 2018/03/22
Opening - 2018/09/18

公司名称	合肥创发微电子有限公司
成立日期	2018.03
董事长	陈儒宏
总经理	赵建源
地址	安徽省合肥市高新区创新大道2800号 创新产业园二期J2区A栋19层
网址	www.hf-st.com.cn

Incubator

Automotive

Industrial

Wearable

Consumer



Zero capacity

- DC LDO
- No external parts
- Smallest FPC



Excellent EMC

- ESD
- EMI → Sinusoidal TX
- Touch & FP over 40 patents



Noise Immunity

- Low voltage AFE
- High performance ADC
- SNR > 50dB



High SNR

- Dynamic frequency hopping
- Dynamic threshold
- Display Sync. function

Consumer



Wearable



Industrial



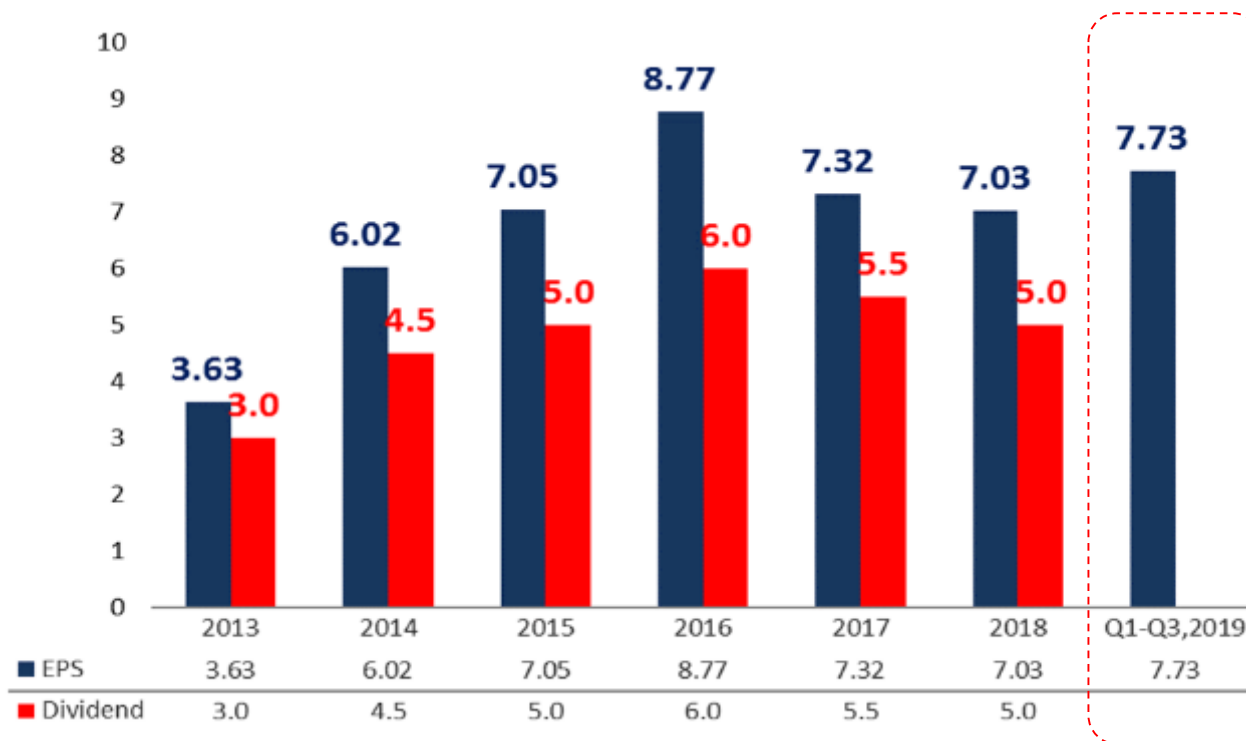
Automotive



支援物聯網(IoT)相關元件及方案



EPS & 配息資訊



Year	Q1		Q2		Q3		Q4		Annual			Q1~Q3
	EPS	GM	EPS	GM	EPS	GM	EPS	GM	EPS	GM	Cash dividend	EPS
2019	1.70	33%	2.80	33%	3.22	32%						7.73
2018	1.10	24%	1.82	24%	2.37	33%	1.74	30%	7.03	28%	5.0	
2017	1.38	29%	1.74	26%	2.08	26%	2.12	25%	7.32	27%	5.5	

Strategic Marketing Director

Jacky Chou 周德雲

Tel: +886-2-2659 1276 ext 2206

E-mail: jacky_chou@sitronix.com.tw

Investor Relations Officer

Vivian Mao 毛廷方

Tel: +886-2-2659 1276 ext 2395

E-mail: vivian_mao@sitronix.com.tw

Website: <http://www.sitronix.com.tw>

Taipei office:

6F., No. 608, Ruiguang Rd., Neihu Dist., Taipei City 114, Taiwan

台北市內湖區瑞光路608號6樓

Thank you



Lighting up your life.

Sitronix

合併損益表

Item	Q3 19		Q2 19			Q1 19		2018		Q4 18		Q3 18	
	Results	% of sales	Results	YoY	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	4,000,478	-	3,507,731	31%	-	2,561,593	-	10,330,505	-	2,827,130	-	2,746,000	-
Gross Profit	1,280,271	32%	1,145,255	78%	33%	836,742	33%	2,870,026	28%	841,542	30%	888,681	33%
Operating Expense	630,271	16%	575,125	37%	17%	522,355	21%	1,827,512	18%	540,071	19%	513,919	19%
Operating Income	659,662	16%	570,130	153%	16%	314,387	12%	1,042,514	10%	301,471	11%	374,762	14%
Income before Tax	639,490	17%	600,897	134%	17%	338,677	13%	1,121,930	11%	312,329	11%	415,729	15%
Net Income*	386,629	10%	334,950	54%	9%	203,393	8%	840,363	8%	208,169	7%	283,177	10%
EPS	3.22	-	2.80	53%	-	1.70	-	7.03	-	1.73	-	2.37	-

* 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

合併資產負債表

Item	2019/9/30	2019/6/30	2019/3/31	2018/12/31	2018/9/30
Total Assets	10,013,046	9,574,510	8,179,523	8,366,511	8,067,564
Current Assets	7,945,341	7,469,564	6,090,712	6,415,599	5,898,420
Cash & Equivalents	2,944,608	2,421,768	1,991,012	2,060,229	1,993,785
AR	1,427,273	1,544,322	1,262,449	1,359,114	1,337,906
Inventory	1,731,420	1,832,545	1,797,371	2,071,021	1,847,433
Total Liability	4,003,106	3,970,689	2,580,779	3,160,839	2,952,456
AP	2,064,045	1,741,286	1,060,942	1,560,675	1,705,977
Shareholder Eqt.	6,009,940	5,603,821	5,598,744	5,205,672	5,115,108

Unit: NT\$ thousands
Accounting standard: IFRS