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WIN Semiconductors 4Q2019 Investor Conference

February 2020



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- This presentation contains certain forward-looking statements that are based on current expectations and are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements.
- Except as required by law, we undertake no obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise.

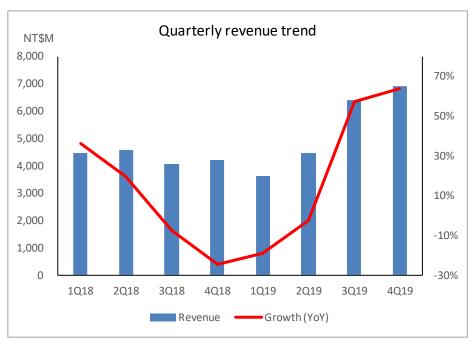


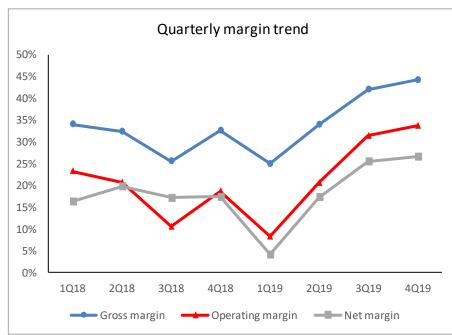
QUARTERLY RESULTS & GUIDANCE

Revenue & Margin Trend



- > 4Q19 revenue reached a record high at NT\$6,904m, up 8% QoQ and 64% YoY.
- In 4Q19, driven by higher utilization rate, gross margin and operating margin both set historical records for a single quarter. Gross margin increased by 2.1pp sequentially to 44.2%, and operating margin increased by 2.3pp sequentially to 33.7%.



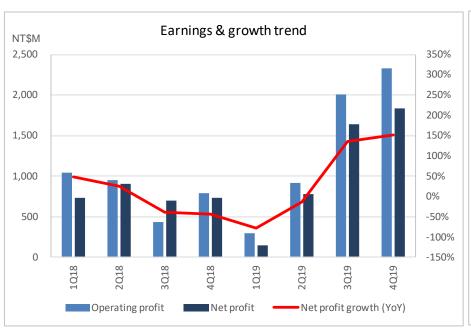


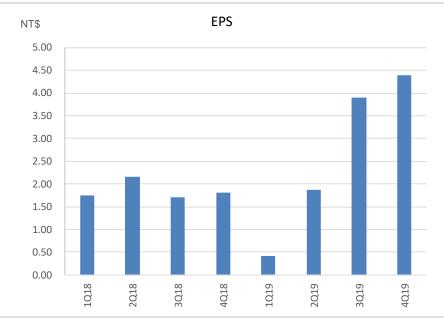
Source: company.

Earnings Trend



In 4Q19, net profit and EPS both reached record highs. Net profit was NT\$1,840m, up 12% QoQ and 151% YoY. EPS came in at NT\$4.4, compares to NT\$3.9 in 3Q19.





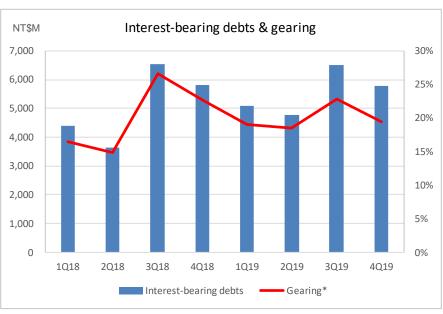
Source: company.

FCF & Gearing Trend



- In 4Q19, although our capex is higher than the previous quarter, we still had sufficient free cash flow.
- 4Q19 interest-bearing debts and gearing ratio both declined sequentially, indicating that our financial structure remained healthy.

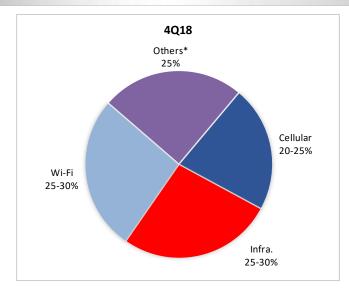


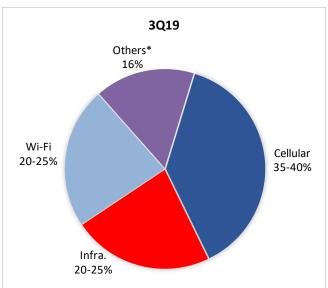


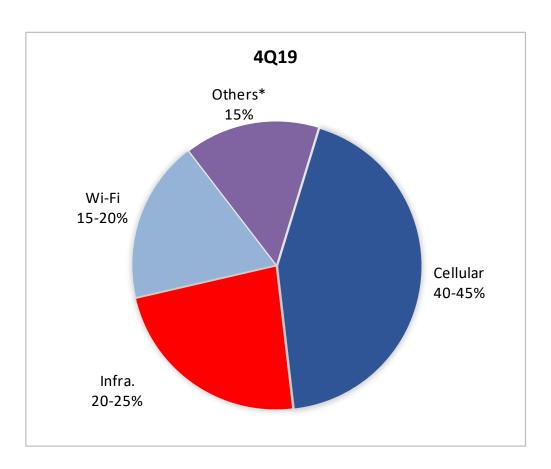
^{*} Gearing = interest-bearing debts / equity Source: company.

Product Mix









* Others: Revenue not attributable to main product segments and additional revenue being consolidated in accordance with IFRS.

Source: company.

1Q20 Guidance



▶ We expect 1Q20 revenue to decline low-teens QoQ.

We expect 1Q20 gross margin to be around the level of low-forties.



FINANCIAL SUMMARY

Consolidated Statements of Comprehensive Income - Quarterly



Unit: NTD Million	4Q'18	3Q'19	4Q'19 (unaudited)	QoQ	YoY
Net revenue	4,214	6,404	6,904	+8%	+64%
Gross profit	1,374	2,693	3,052	+13%	+122%
Gross margin (%)	32.6%	42.1%	44.2%		
Operating expenses	(585)	(681)	(723)	+6%	+24%
Operating expenses rate (%)	-14%	-11%	-10%		
Operating income	789	2,012	2,329	+16%	+195%
Operating margin (%)	18.7%	31.4%	<i>33.7%</i>		
Non-operating incomes and expenses	72	(29)	(110)		
Income before income tax	861	1,983	2,219	+12%	+158%
Income tax expense	(128)	(346)	(379)		
Net income	733	1,637	1,840	+12%	+151%
Net margin (%)	17.4%	25.6%	26.6%		
EPS (NT\$)	1.80	3.90	4.40	+13%	+144%
Other comprehensive income, net	(226)	1,031	(535)		
Comprehensive income	507	2,668	1,304	-51%	+157%
BOE(0/)	120/	2.40/	250/		
ROE(%)	12%	24%	25%		
Approx. Utilization (%)	55%	95%	100%		
Depreciation	839	809	871		
CAPEX	838	1,116	1,701		

Consolidated Statements of Comprehensive Income - YTD



		\\	
Unit: NTD Million	2018Y	2019Y (unaudited)	YoY
Net revenue	17,311	21,378	+23%
Gross profit	5,415	8,161	+51%
Gross margin (%)	31.3%	<i>38.2%</i>	
Operating expenses	(2,210)	(2,602)	+18%
Operating expenses rate (%)	-13%	-12%	
Operating income	3,205	5,559	+73%
Operating margin (%)	18.5%	26.0%	
Non-operating incomes and expenses	529	(165)	
Income before income tax	3,735	5,393	+44%
Income tax expense	(669)	(993)	
Net income	3,066	4,401	+44%
Net margin (%)	<i>17.7%</i>	20.6%	
EPS (NT\$)	7.39	10.59	+43%
Other comprehensive income, net	(366)	1,970	
Comprehensive income	2,700	6,371	+136%
ROE(%)	12%	16%	
Approx. Utilization (%)	70%	80%	
Depreciation	3,159	3,348	
CAPEX	5,592	5,306	
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Non-operating Items



		/		
Unit: NTD Million	4Q'18	4Q'19 (unaudited)	2018Y	2019Y (unaudited)
Foreign exchange gains (losses)	21	(138)	129	(75)
Gains (losses) on disposals of property, plant and equipment	2	(87) ^(註)	2	(376) ^(註)
Gains (losses) on disposals of investments	11	208	286	256
Gains on financial assets (liabilities) at fair value through profit or loss, net	56	(128)	(32)	(60)
Share of loss of associates and joint ventures accounted for using equity method	(61)	(6)	(110)	(201)
Others	42	40	254	291
Total	72	(110)	529	(165)

(Note) We acquired the manufacturing equipment from our large customer Avago's all HBT production lines in 1H19. The loss was mainly due to the disposal of some unserviceable machines in 2H19.

Consolidated Balance Sheets



						/		
(Unit: NTD Million)	Major Item	2018/12	2018/12/31		2019/9/30		2019/12/31 (unaudited)	
	Š	\$	%	\$	%	\$	%	
Cash and cash equivalents		5,462	15%	4,993	12%	5,926	14%	
Current financial assets at fa	air value through profit or loss	103	0.3%	720	1.8%	507	1.2%	
Notes and accounts receiva	ble, net	1,422	4%	2,220	5%	2,407	6%	
Inventories		3,907	11%	4,364	11%	4,389	10%	
Long-term investments		3,641	10%	6,191	15%	5,655	13%	
Net property, plant and equ	ıipment	19,633	55%	20,432	50%	21,405	51%	
Total Assets		35,460	100%	40,580	100%	42,126	100%	
Current liabilities		3,828		4,971		5,976		
Long-term borrowings		5,803		6,521	į	5,788		
Total Liabilities		9,855	28%	12,024	30%	12,287	29%	
Common stock		4,238		4,241		4,241		
Total equity attributable to	owners of parent	25,380		28,427		29,657		
Total Equity		25,604	72%	28,557	70%	29,840	71%	
Book value per share (NT\$) ¹		59.88		67.04		69.94		
Key Indices								
Current ratio (Current ass	sets / Current liabilities)	296%		253%		228%		
Debt ratio (Total liabilities	•	28%		30%		29%		
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 $^{^{\}rm 1}$ Book value per share = total equity attributable to owners of parent / number of common shares



MARKET OUTLOOK

2019 Operating Results







Revenue growth >20% and hit record high consecutively



Non-handset revenue growth >50%



Success in development and production for the tech. demand in 5G and 3D sensing

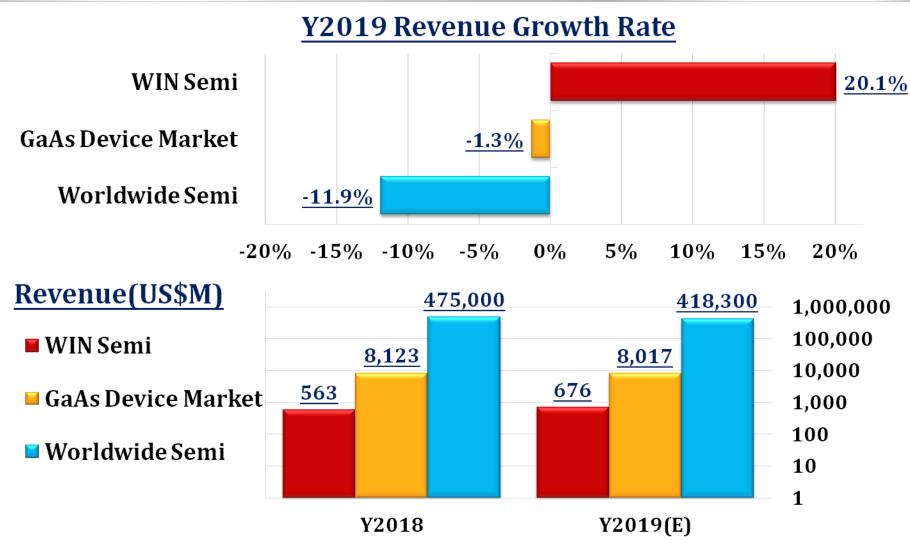


Selected as Industry Mover for The Sustainability
Yearbook 2020 published by S&P Global in
collaboration with RobecoSAM. Our sustainability
performance ranked in the top 10 of the
Semiconductors & Semiconductor Equipment industry.



2019 Semiconductors Revenue Trend





Source: (1) Worldwide Semiconductors Revenue, Gartner, Jan. 2020

(2) GaAs Market Estimation, Strategy Analytics, 2019

Business Growth Drivers



5G + Wi-Fi 6





Infrastructure



Optical Devices

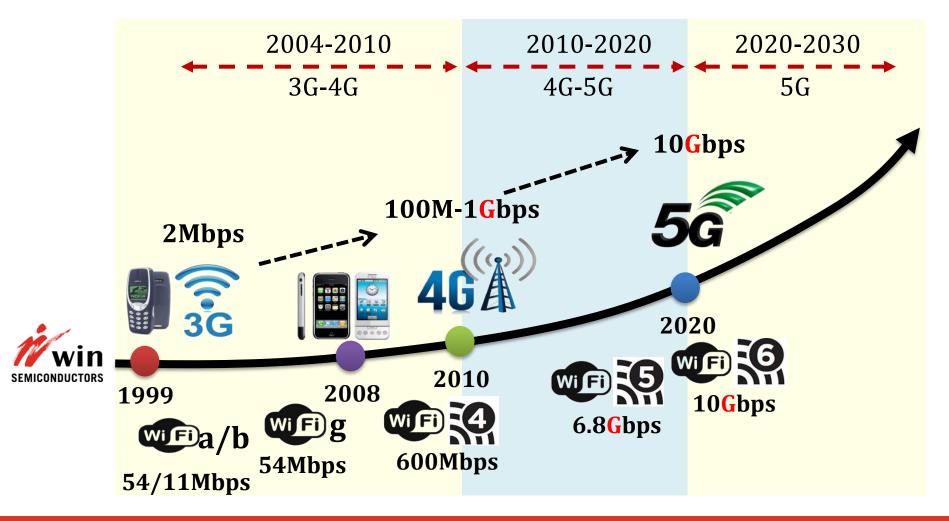


Performance



Ultra-High Speed is required in wireless communication.

It is the advantage of compound semiconductors.





Y2019-20

Y2021-25

Implement Phase

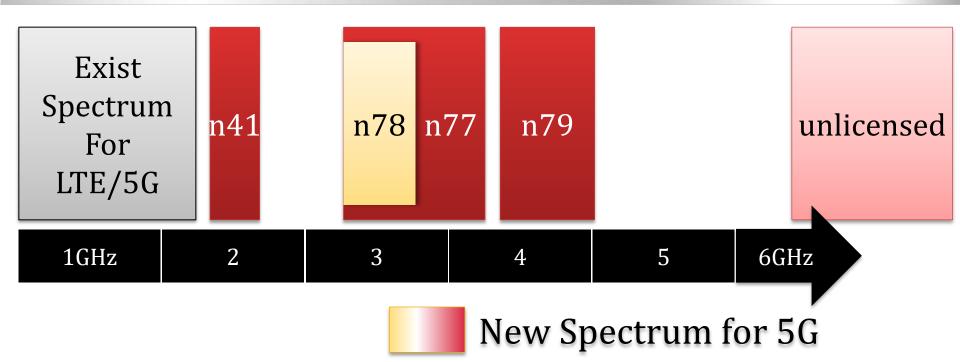
Demand Rapid Growth

	Mobile Device	Infrastructure/CPE
Sub-6GHz	• GaAs HBT	• GaN HEMT • GaAs pHEMT
mmWave	 Integrated compound semi technologies 	• GaN HEMT • GaAs pHEMT

- 5G sub-6GHz (<6GHz) spectrum bands for ubiquitous network coverage
- 5G mmWave (~30GHz) likely for fixed wireless access as a start followed by extreme mobile broadband in the longer term

5G Sub-6GHz Freq. Spectrum





- (1) New frequency bands for 5G
- (2) MIMO: n41, n77, n78, and n79
- (3) Additional 5G PA (Refarm existing 4G Frequency band)

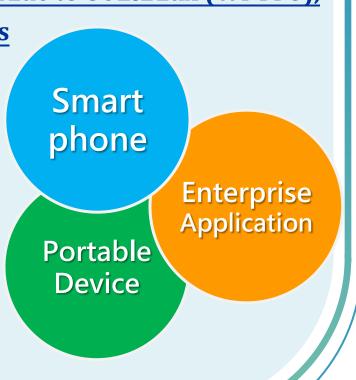




Wi-Fi 6 has been arriving and Wi-Fi 7 is developing

- Wi-Fi will be upgraded from 802.11ac to 802.11ax (Wi-Fi 6), from flagship to mid-range phones
 - Faster throughput
 - Higher network efficiency
 - Better in dense environments

- 802.11be (Wi-Fi 7)
 - Extreme high throughput
 - Extend to 6GHz frequency band



Infrastructure

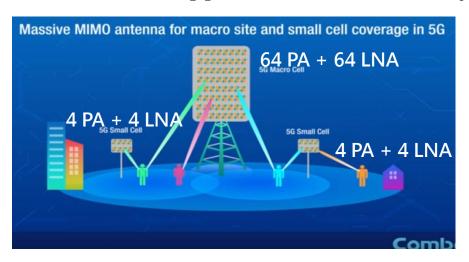


RF Device Inside Macro & Small Cell Sector

- The high performance of compound semiconductors is the better choice for PA and LNA on 5G base-station.
- More than 100M transceivers in 2020.

Satellite Communication Era is Coming

- More than 6,500 small satellites (<500kg) in orbit by 2027.
- Comms. application will be the key growth engine for satellite.



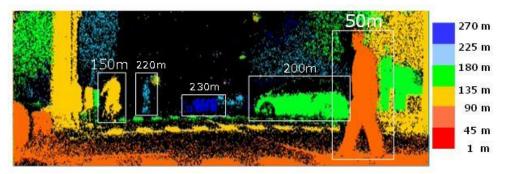


Optical for 3D Sensing



- Structure-Light demand keep very strong
- ToF for 3D sensing applications will keep growth
 - Production was started since 2H2019
 - Multiple customers use ToF for both front and world facing applications

Autonomous



World Facing AR



Gesture Recognition



Optical Communication



Optical Devices

- Data center interconnect, or metro/long-haul coherent transmission
- Proximity/Light sensor





 More and more customers engagement and will enter production stage soon

Q & A

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