



*Compound Semiconductor Solutions
from RF to Lightwave*

穩懋半導體

穩懋半導體公司簡介

2023年5月

投資人關係窗口

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- 本資料可能包含對於未來展望的表述。該類表述是基於對現況的預期，但同時受限於已知或未知風險或不確定性的影響。因此實際結果將可能明顯不同於表述內容。
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➤ 第一季營運結果與展望

➤ 產業概況

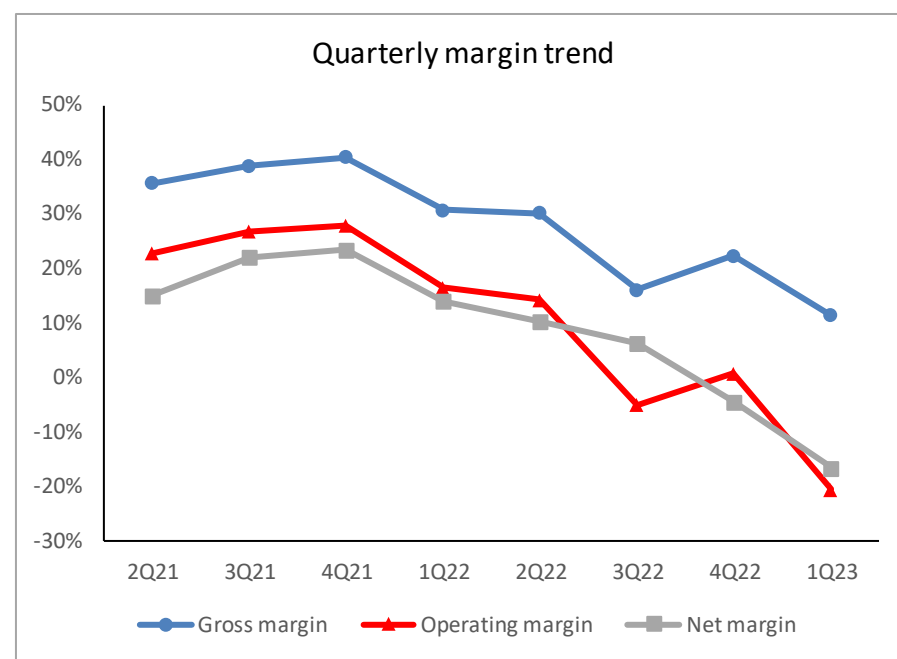
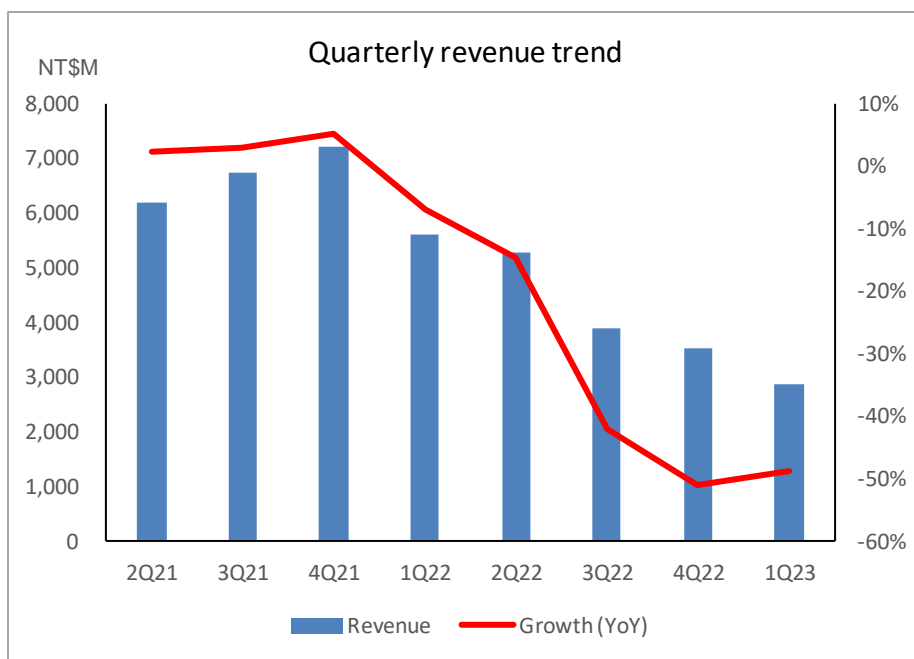
➤ 新技術開發

➤ Q&A

第一季營運結果與展望

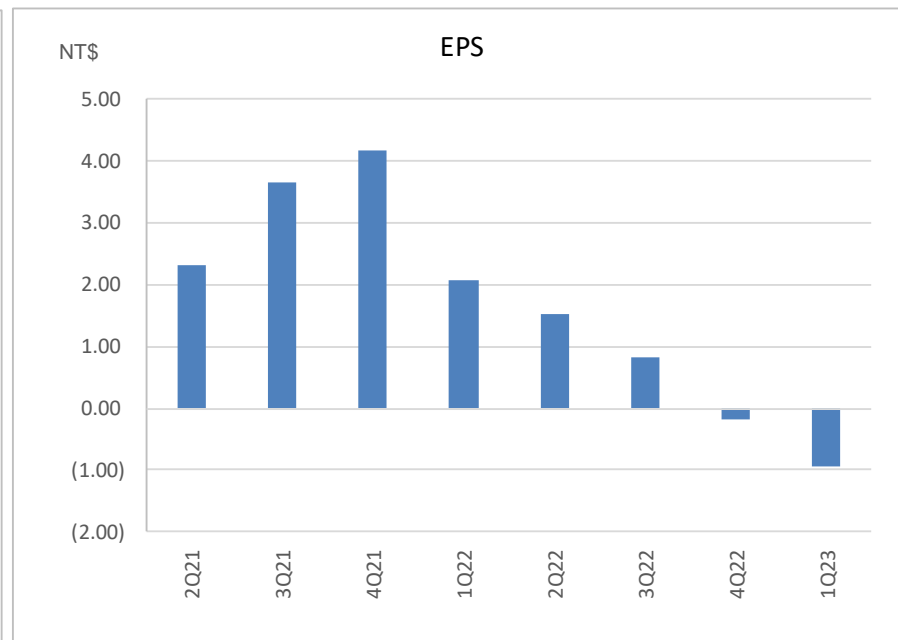
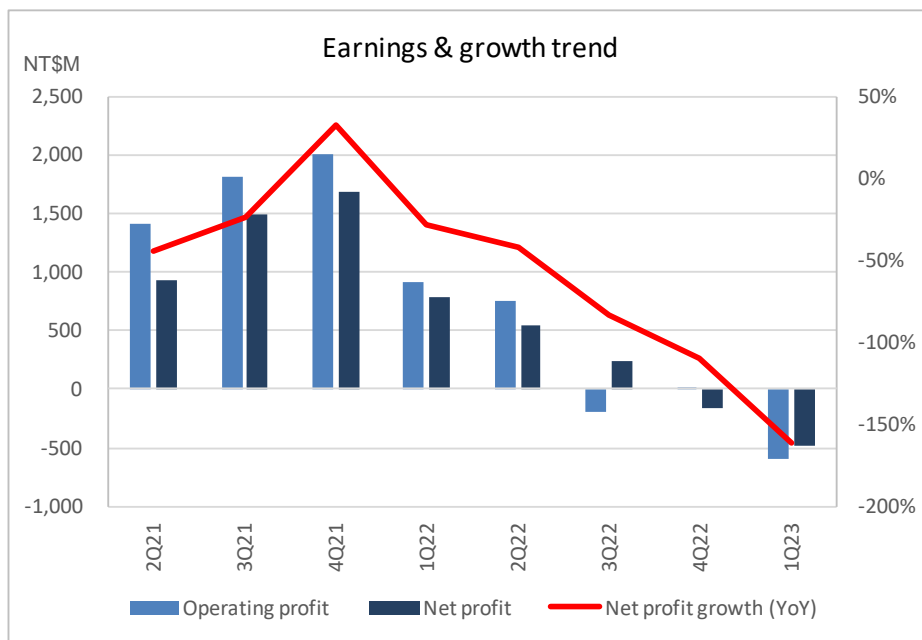
營收及毛利趨勢

- 第一季營收為新台幣28.6億元，較前一季減少19%，較去年同期減少49%。
- 第一季營業毛利率較前一季減少10.8個百分點為11.4%；營業淨利率較前一季減少21.4個百分點為-20.8%，主要為產能利用率進一步下滑至20%所致。



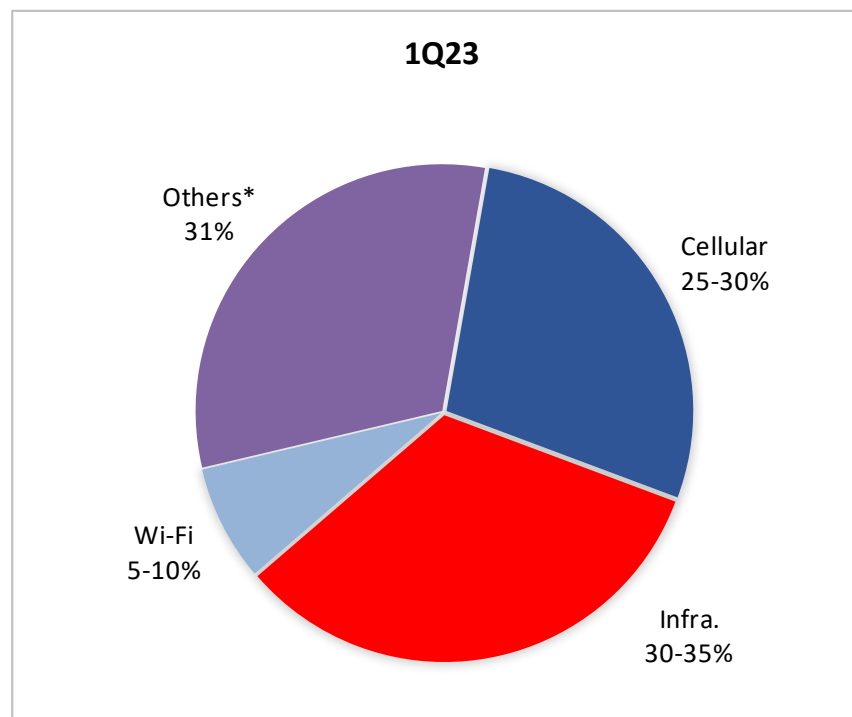
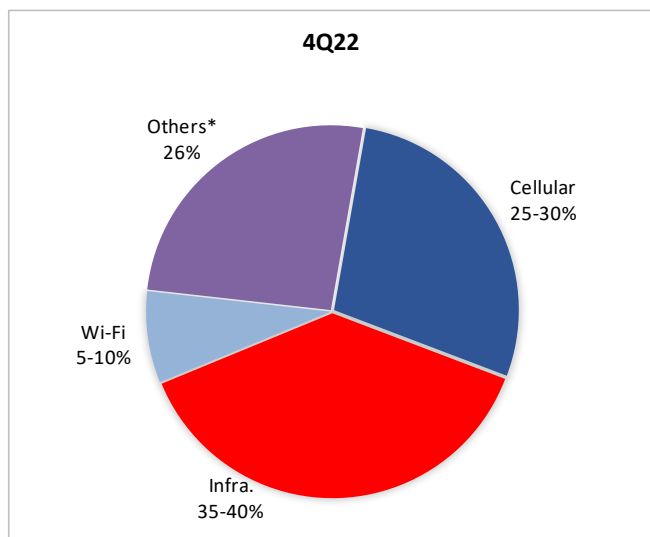
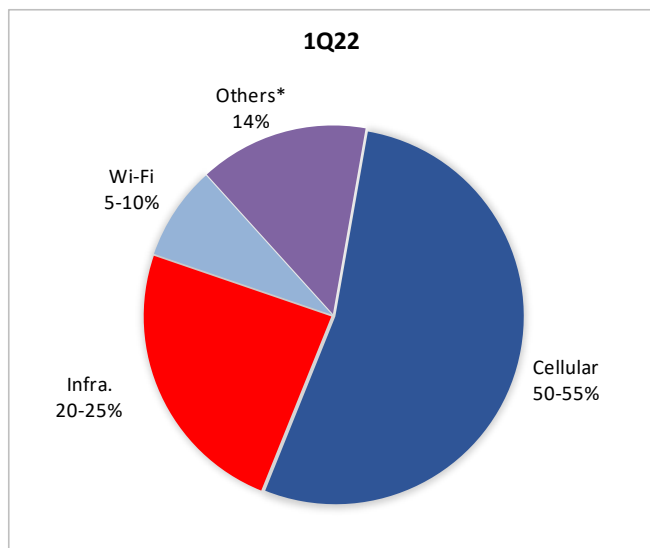
Source: company.

- 第一季淨損NT\$4.79億元，較前一季增加198%；
第一季EPS為NT\$-0.95元，前一季EPS為NT\$-0.18元。



Source: company.

產品組合



* Others: 未歸屬於以上主要產品別之營收，以及因應IFRS要求而併入集團之合併營收

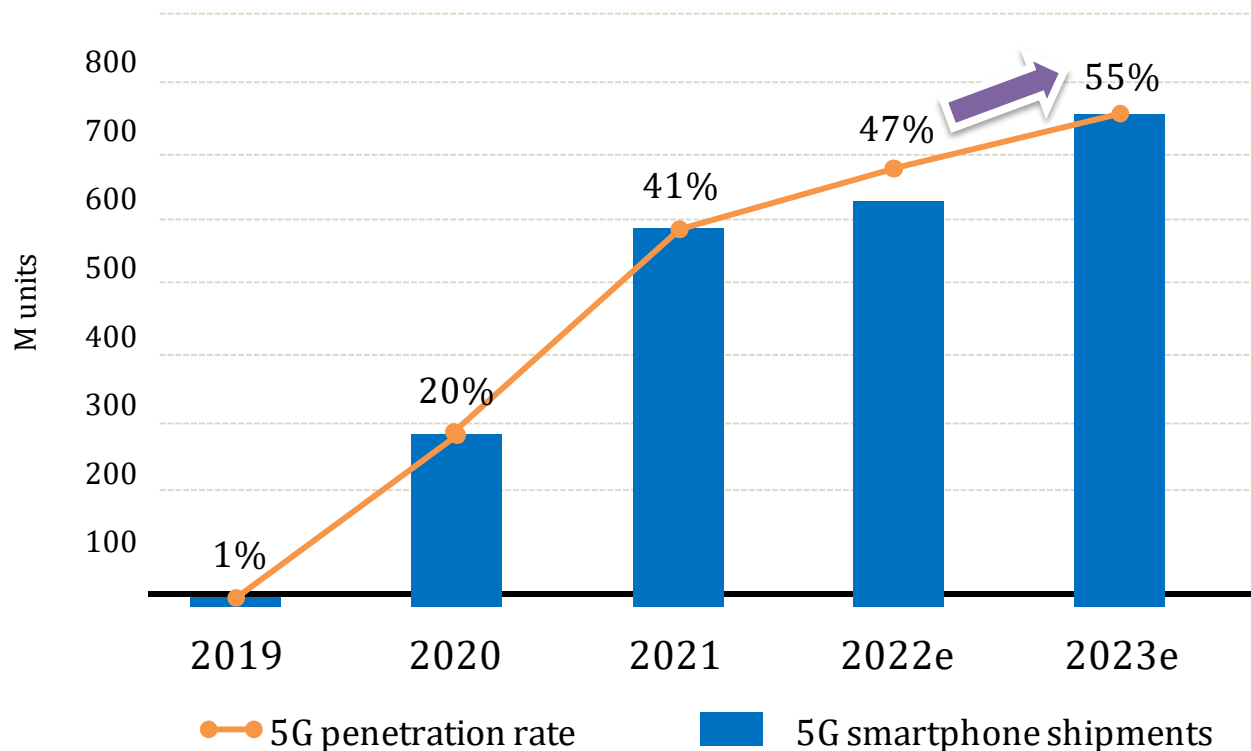
Source: company.

- 第二季營收預計將較前一季成長 **low-thirties** 百分比。
- 第二季毛利率預計約為 **mid-teens** 的水準。

產業概況

5G手機-滲透率持續提高

- 5G smartphone shipment will surpass 4G in 2023.
- Higher PA content in 5G phones compared to 4G.
- 5G MIMO requirement in UHB will drive the growth.



Source: Morgan Stanley

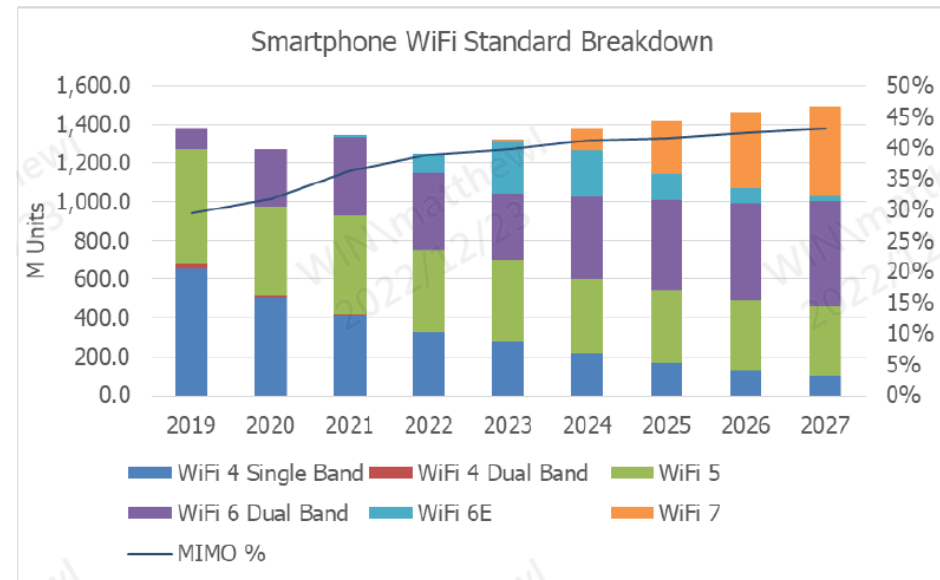
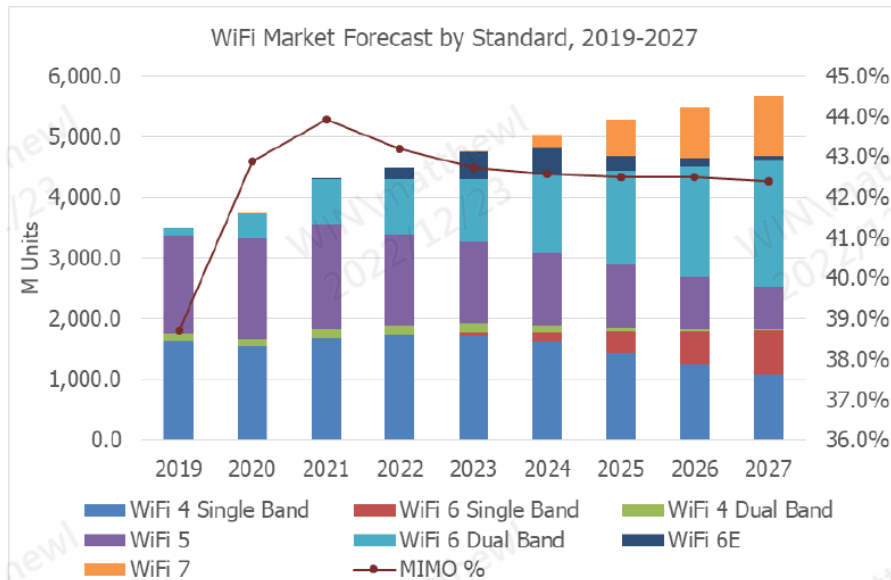
基礎建設 – GaN, LNA & Driver Amplifiers

- 5G infrastructure deployment continues to address insatiable demand on data traffic.
- WIN's GaN and GaAs technology solutions have been increasingly adopted for base station applications using GaN, pHEMT, HBT, and IPD.



Wi-Fi 6/6E - 2023年起持續增加

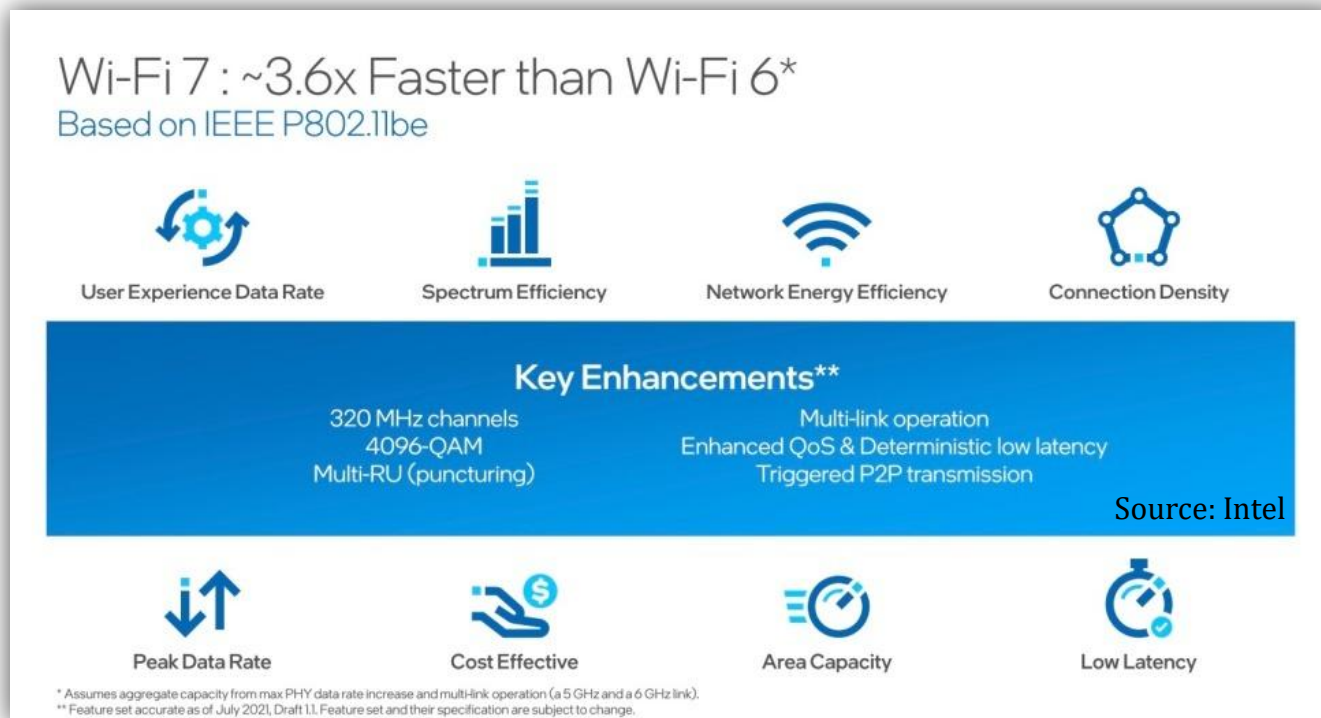
- Market growth through 2023-2027, reaching to 5.7 billion units in 2027.
- WIN anticipates to increase share for mobile Wi-Fi in 2023.



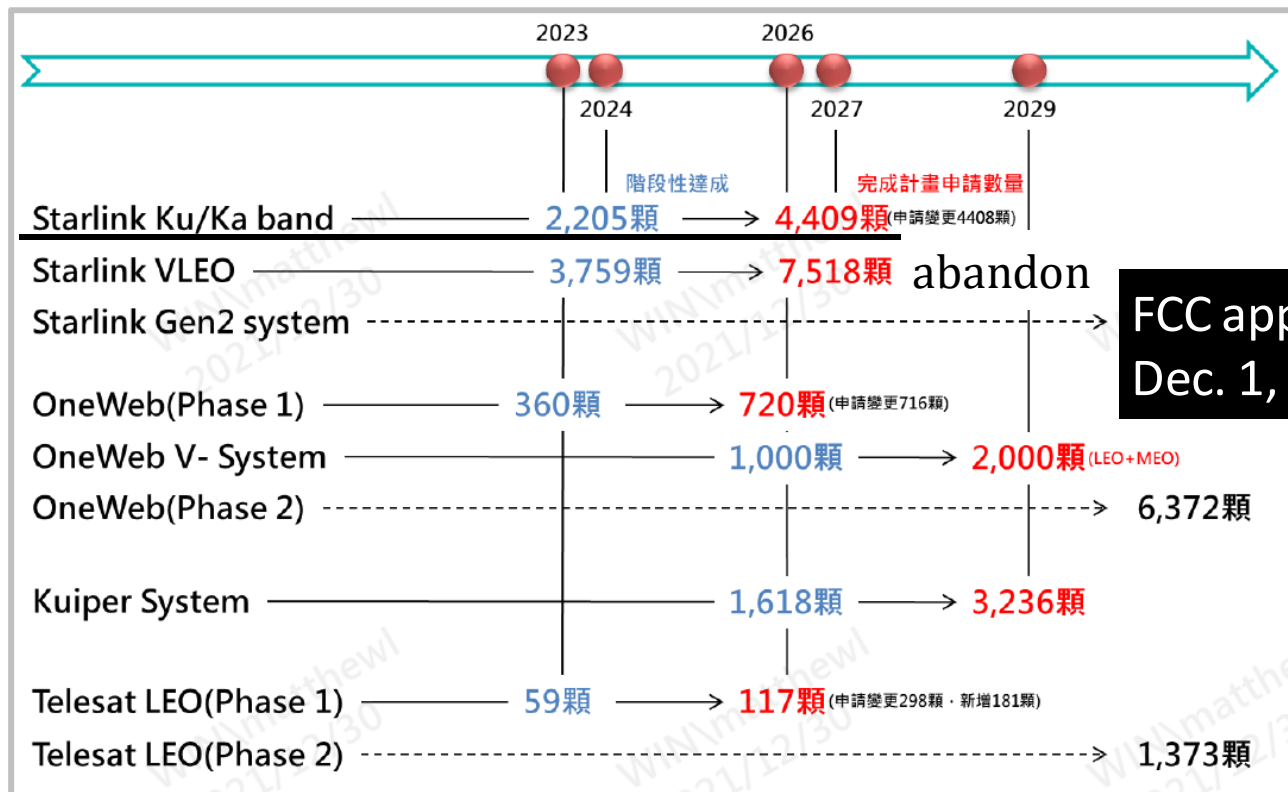
Source: TSR, 2022 Wireless Connectivity Market Analysis

布局 Wi-Fi 7 - 2023年設計導入

- Opportunity for GaAs content increase in both cellular and router due to increased frequency band and challenging linearity requirement.
- GaAs shows significant advantages on linearity (1K to 4K QAM) & operating frequency for complex modulation signal.
- More MIMO requirement (from 8x8 to 16x16).

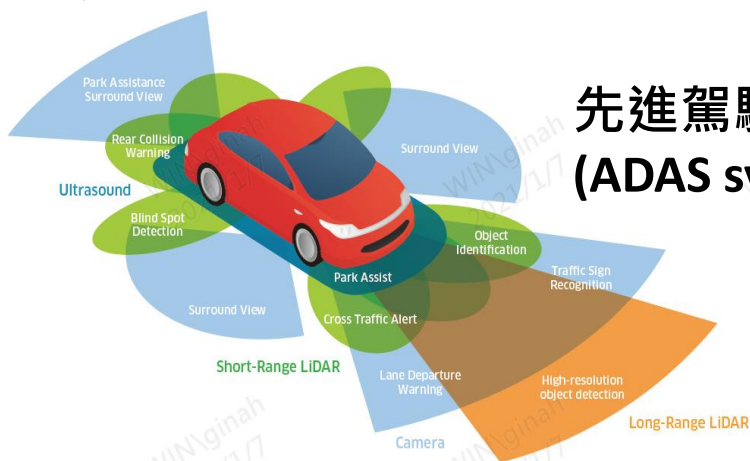


➤ New technologies engagement is going on with multiple satellite customers.



資料來源：工研院產科國際所

- WIN is a leading company for VCSEL & 3D sensing technologies.
- Increased safety adoption of 3D sensing for both inside and outside vehicle use, such as DMS/OMS and LiDAR for ADAS.
- V2X, wireless network demand growth for automotive market.



先進駕駛輔助系統
(ADAS system)

手機/衛星網絡
(Cellular/Satellite Network)

駕駛員/乘客監控系統(DMS/OMS)



新技術開發

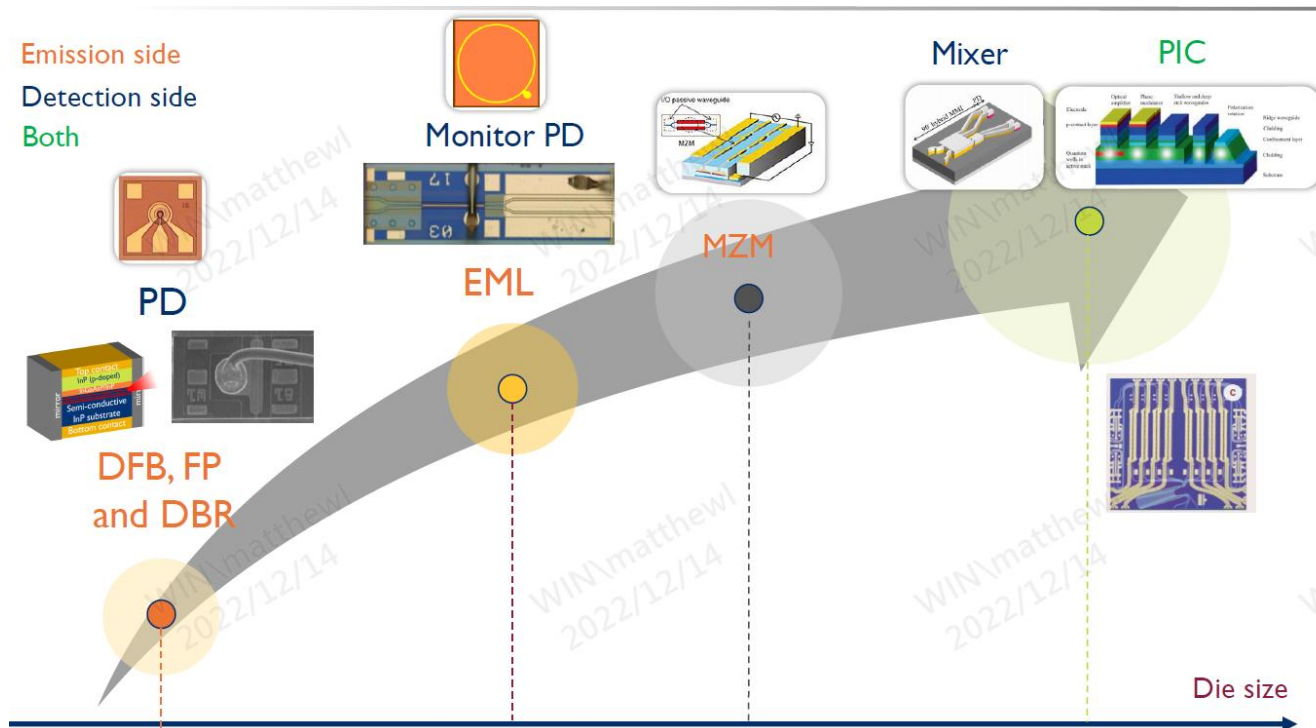
3D感測應用



➤ Data traffic growth drives the photonics components from discrete to integrated PIC solution.



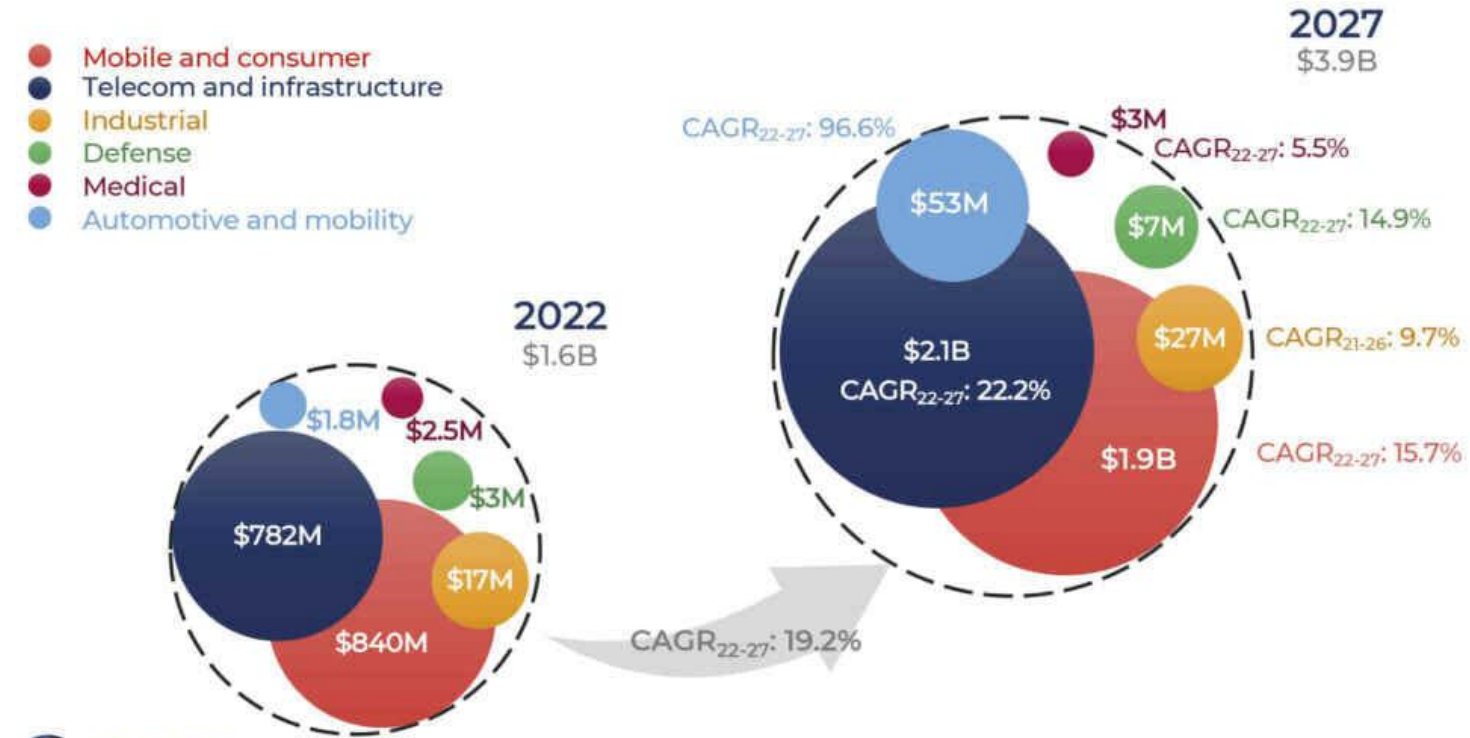
Data Center



➤ Mobile, Consumer, Optical Communication are the drivers.

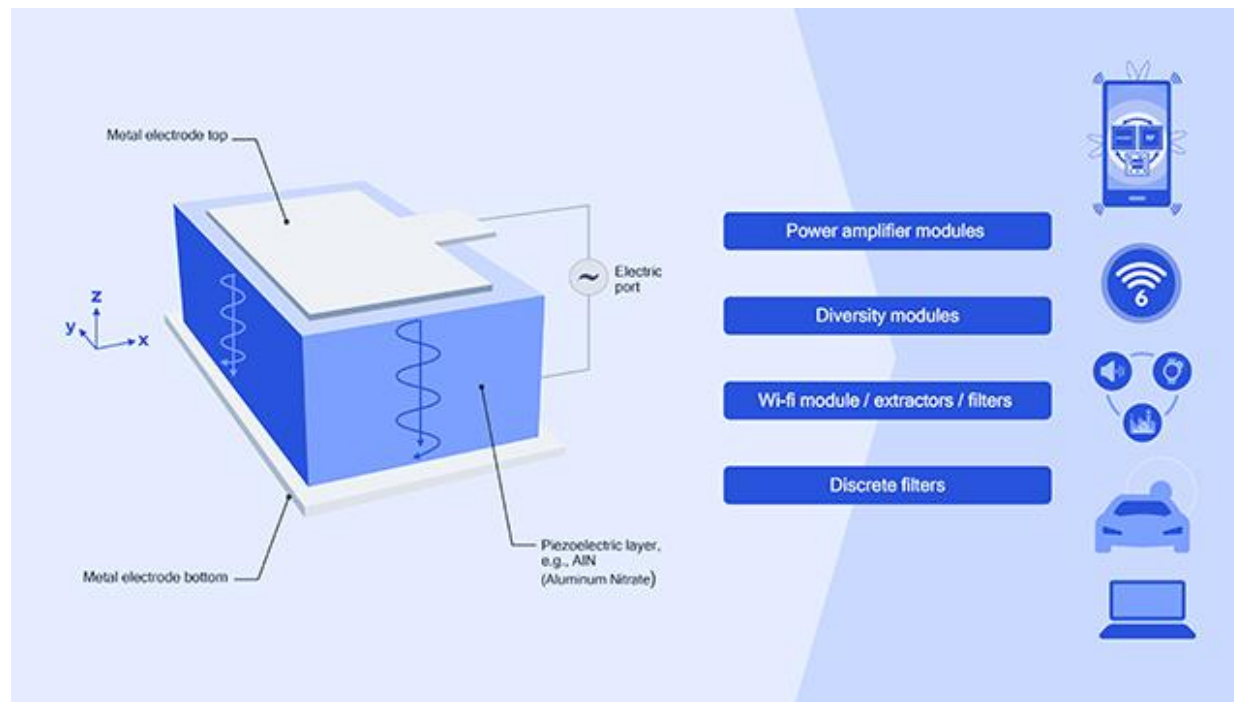
2022-2027 VCSEL MARKET FORECAST

Source: VCSEL - Market and Technology Trends 2022 report, Yole Intelligence, 2022



濾波器(Filter)

- A newly added process into WIN's broad technology portfolio.
- WIN devotes to empower mobile customers' competitiveness with filter development as a strategic technology.



附件 – 財務狀況 (2023年第一季度)

合併綜合損益表

(新台幣 百萬元)	1Q'22	4Q'22	1Q'23	QoQ	YoY
營業收入	5,597	3,531	2,860	-19%	-49%
營業毛利	1,714	786	326	-58%	-81%
營業毛利率(%)	30.6%	22.2%	11.4%		
營業費用	(798)	(765)	(921)	+20%	+15%
營業費用率(%)	-14%	-22%	-32%		
營業淨利(損)	916	21	(595)	-	-
營業淨利(損)率(%)	16.4%	0.6%	-20.8%		
營業外收支淨額	75	(154)	39		
稅前淨利(損)	991	(133)	(556)	-318%	-
所得稅(費用)利益	(205)	(28)	77		
本期淨利(損)	786	(161)	(479)	-198%	-
淨利(損)率(%)	14.0%	-4.6%	-16.7%		
每股純益(元)	2.08	(0.18)	(0.95)	-428%	-
其他綜合損益(稅後淨額)	374	27	431		
綜合損益總額	1,160	(134)	(48)	-64%	-
年化ROE(%)	10%	-1%	-5%		
約當產能利用率(%)	70%	30%	20%		
折舊費用	1,058	1,017	1,077		
資本支出	1,320	916	536		

(新台幣 百萬元)	1Q'22	1Q'23
外幣兌換損益	339	(6)
處分不動產、廠房及設備損益	(0.1)	(23)
買回應付公司債利益	-	15
透過損益按公允價值衡量之金融資產及負債淨損益	(279)	156
採用權益法認列之關聯企業及合資損益之份額	61	(16)
其他	(47)	(87)
總計	75	39

合併資產負債表

(新台幣 百萬元) 重要科目	2022/3/31		2022/12/31		2023/3/31	
	\$	%	\$	%	\$	%
現金及約當現金	14,207	19%	10,380	15%	10,406	15%
透過損益按公允價值衡量之金融資產-流動	57	0.1%	121	0.2%	122	0.2%
應收票據及帳款淨額	2,020	3%	917	1%	778	1%
存貨	6,295	8%	5,420	8%	5,297	8%
長期投資	14,621	20%	14,376	21%	14,975	22%
不動產、廠房及設備	33,003	45%	34,360	50%	33,870	49%
資產總計	74,073	100%	69,128	100%	69,115	100%
流動負債	11,036		6,247		17,738	
一年內可執行賣回權公司債	-		-		10,569	
一年內到期之長期借款	-		1,731		2,473	
應付公司債	13,329		10,670		-	
長期借款	13,520		15,870		16,168	
負債總額	39,177	53%	33,939	49%	35,026	51%
普通股股本	4,240		4,239		4,239	
歸屬於母公司業主之權益	32,739		33,329		32,288	
權益總計	34,896	47%	35,190	51%	34,089	49%
每股淨值(元) ¹	77.22		78.62		76.16	
重要財務指標						
流動比率	210%		276%		96%	
負債比率	53%		49%		51%	

¹ 每股淨值=歸屬於母公司業主權益/普通股股數

Q & A

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