



義隆 Smart-Input™ Solutions

Dual Transformation through AI

藉由AI實現企業轉型

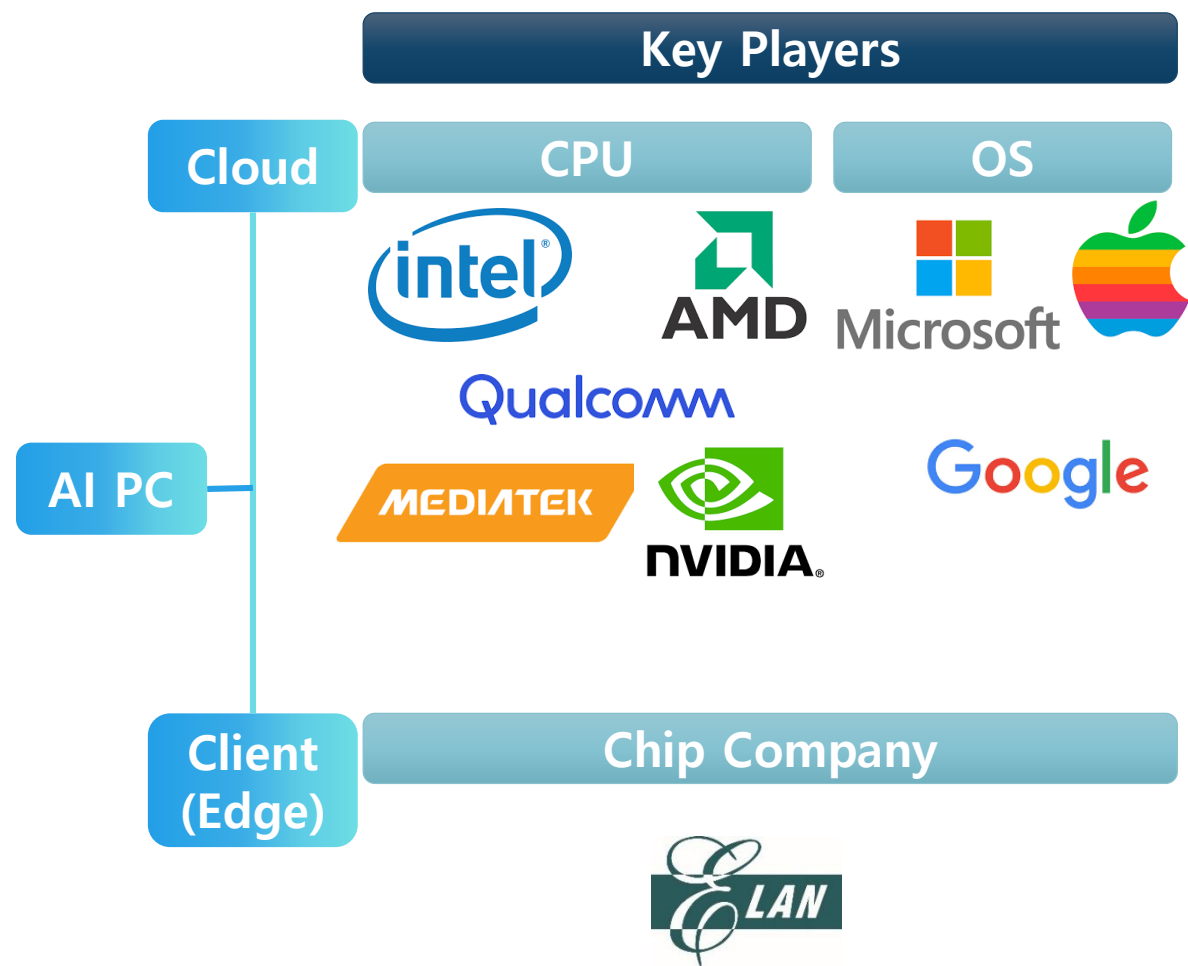
2023/12/05

元大證券第四季投資論壇



ELAN Microelectronics Corporation

提高生產力的個人電腦 (AI PC)



ELAN's Technology Capability

AI x Touchscreen

- Pen Track Prediction
- Palm Rejection
- Power Saving
- Gesture Recognition
- Moisture Proof

AI x Touchpad

- Palm Rejection
- Gesture
- Noise Immunity
- Moisture Proof

AI x Fingerprint

- Anti-Spoofing Feature

Cloud: Offering existing product
Client: Content value growth

市調機構對全球筆記型電腦出貨量的預測

Unit in million

	2022	2023	2024	2025	2026	2027
IDC	212	183	192	205	211	216
Gartner	208	182	191	210	218	217
Omdia	201	174	186	205	212	222
Digitimes	187	165	169	181	185	188
IDC YoY	-18.9%	-13.3%	4.8%	6.8%	2.6%	2.5%
Gartner YoY	-18.9%	-12.7%	5.3%	10.1%	3.8%	-0.6%
Omdia YoY	-23.1%	-13.3%	6.8%	10.1%	3.3%	4.8%
Digitimes YoY	-24.2%	-11.8%	2.6%	6.7%	2.6%	1.2%

* Source: IDC, Gartner, Omdia, Digitimes

AI 高效能之觸控板模組

#1

Touchpad Market

Smart-UsabilityTM

Best In-Class Palm Prevention

100⁺

MP Projects / YR

AI Enabled

Palm Rejection
Gesture
Noise Immunity
Moisture Proof

Touchpad

50%+

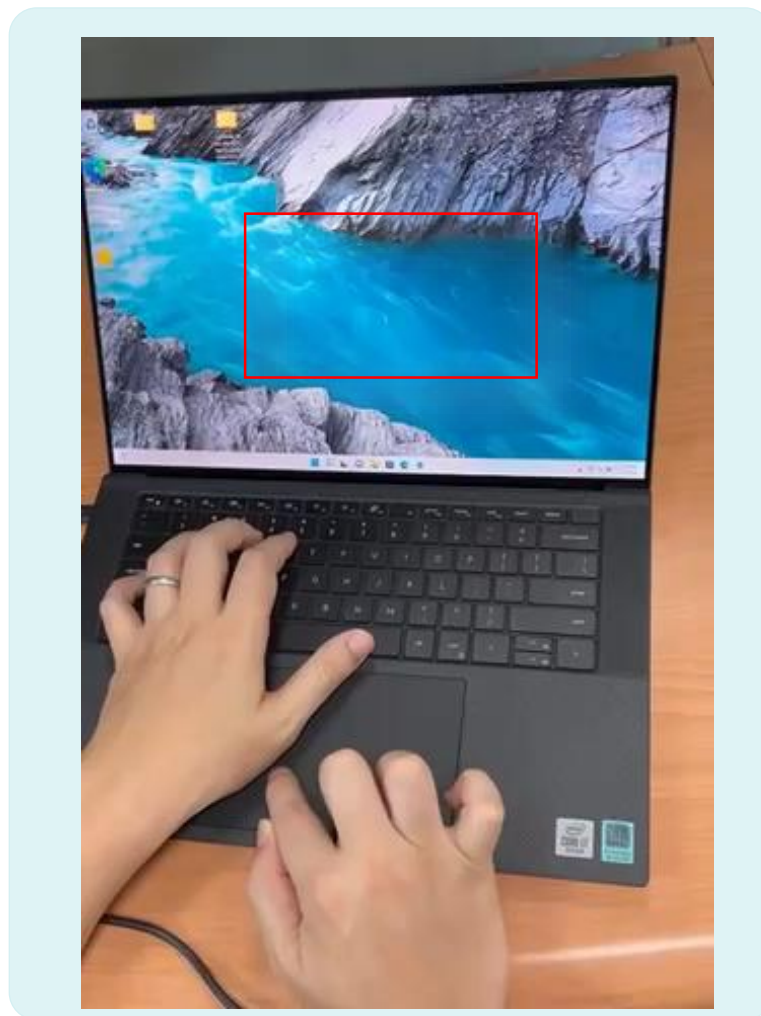
Market Share



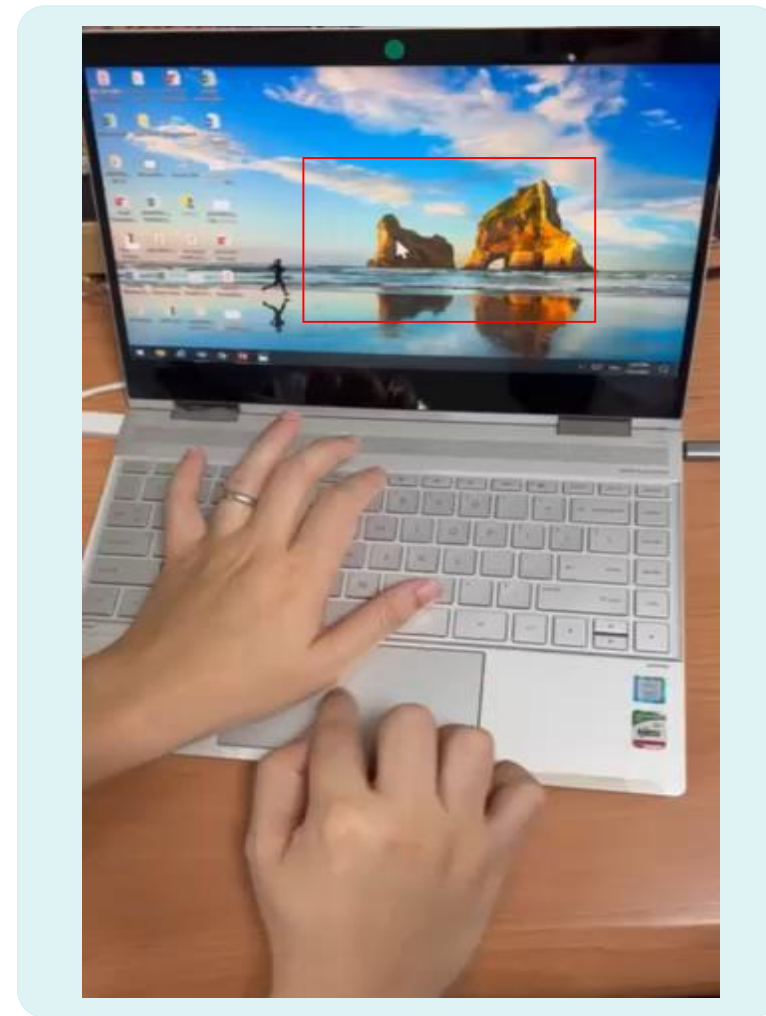
AI高效能之觸控板模組- 手掌防誤觸



Expansion of Palm Contact Area



Index finger separated from palm

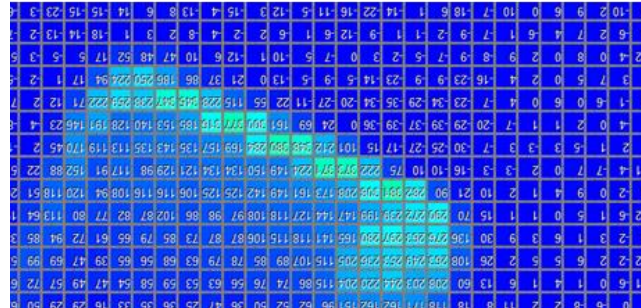
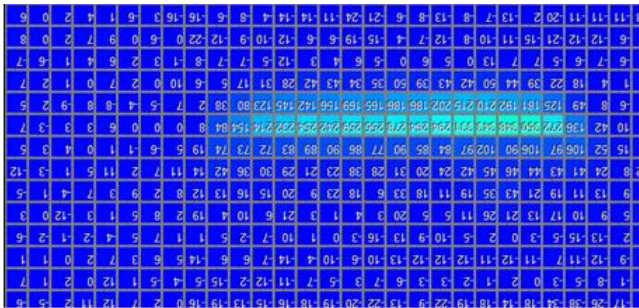


Index finger merged with palm

AI高效能之觸控板模組於多元化應用

Wireless Charger / Smart Card

Object Detection & Classification



Application



Open Earphone
Control App



Open Mouse
Control App



Open
Gaming App



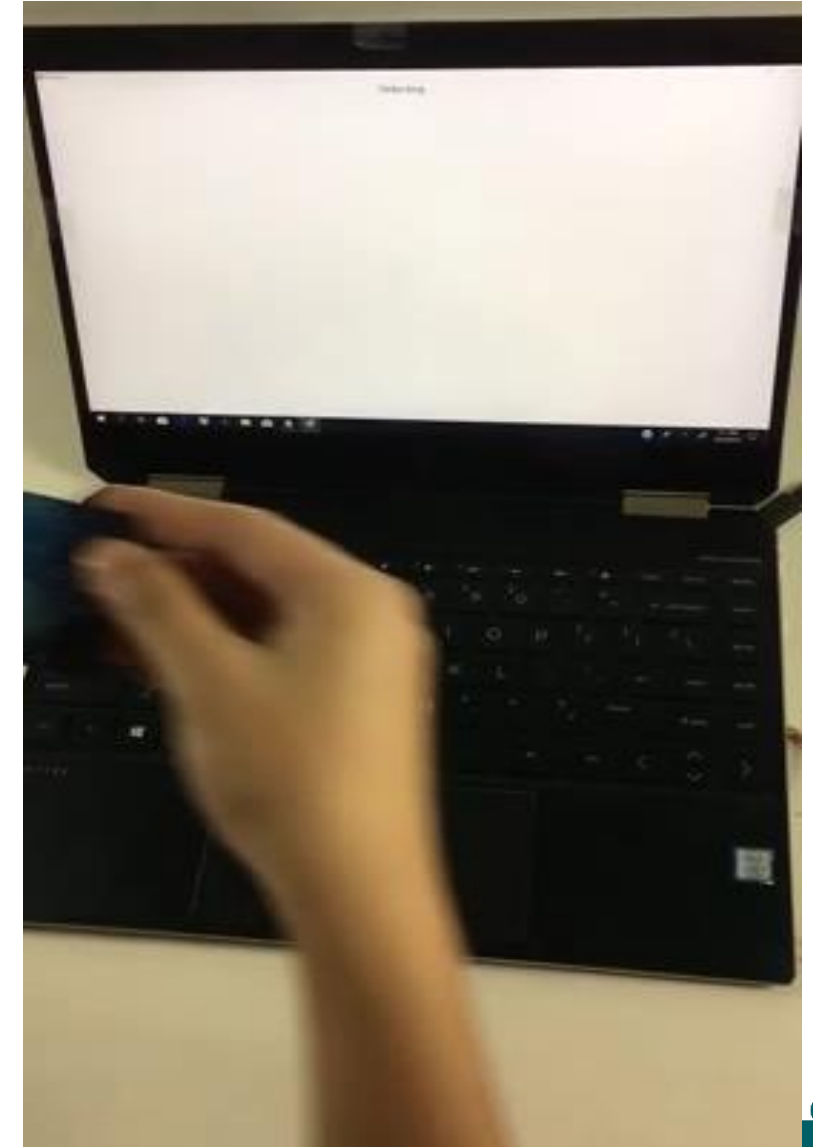
Open Note-Taking
App



Open Mobile
Transfer App



More Creative
Application



具競爭力的AI觸控螢幕晶片

#1

Touch IC Market

CONTINUOUS

11 YR

Global Touch IC #1

Development with
Stylus Manufactures

MAXEYE

Wacom®

SUNWODA

Hanvon

Chicony

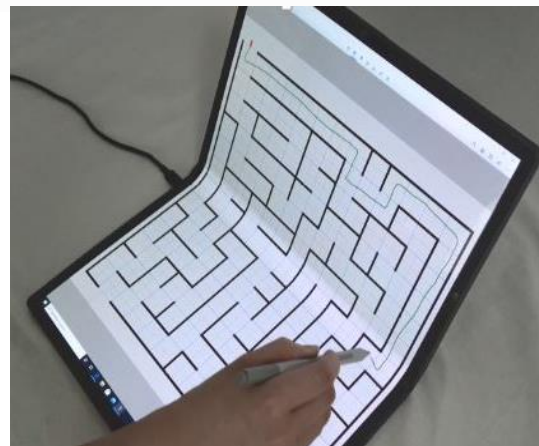
AI Enabled

Pen Track Prediction
Palm Rejection
Power Saving
Gesture Recognition
Moisture Proof

Touchscreen

50%+

Market Share



具競爭力的AI觸控螢幕晶片 – 防水性能比較

測試條件：5毫升的水

ELAN Solution



Competitor Solution

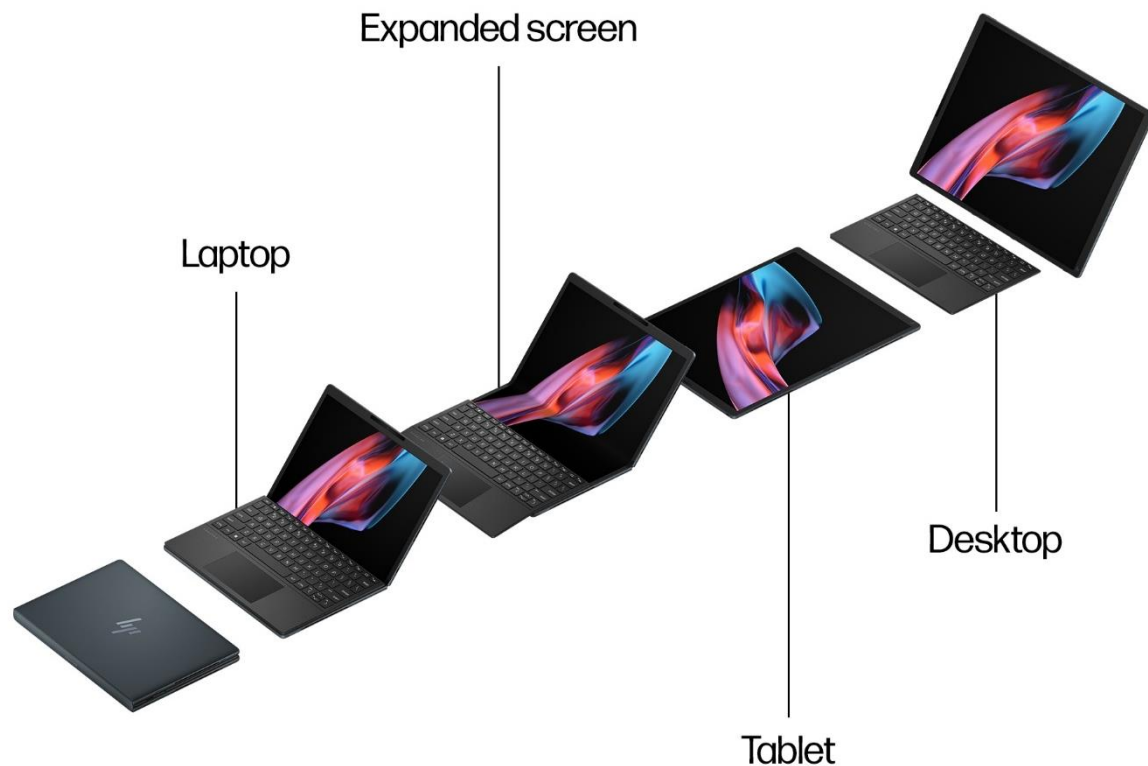


AI 使觸控筆具低延遲、低耗電等功能



AI Prediction

AI觸控螢幕晶片解決方案應用於17.3吋折疊式筆記型電腦



Spectre Foldable 17



Gram Fold 17



AI之指紋辨識感測器的亮點

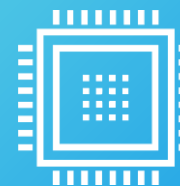
#2

Notebook Market

100%

In-House
Algorithm

Smallest MOC
Highly Brand-Compatible



AI Enabled

2.5D/3D
Anti-Spoof

Fingerprint

MOH&MOC

Single-Chip
Encryption



Keycap



Power Button



Smart ID pad

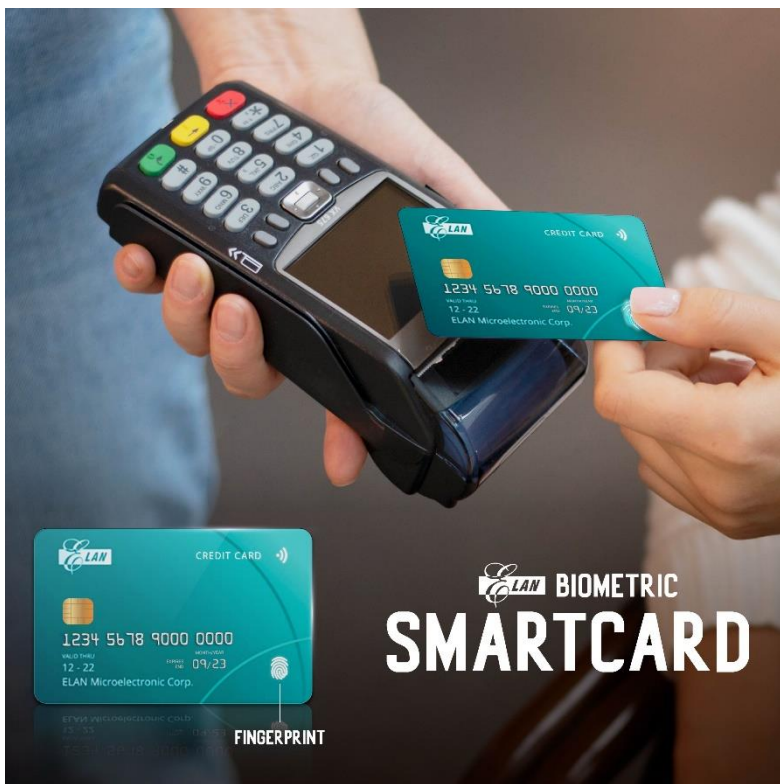


Dongle



AI指紋辨識感測器解決方案應用於智慧卡

超低功耗AIoT解決方案



SMART CARD


World 1st
Under PVC Solution


Battery-Free
Support


45mm
Sensing Dist


3mA
Ultra-Low Power


600ms
Fast Verification



Payment / Banking

 Woori Bank



Refugee Identity Card

 ITU  Nagoya Uni.



All-in-one Card

 Malaysia Gov



Security Card

 Alsok | E-Grade | Ho tram | Magnets  Identita
 NFC 21 GM BH  Raritan | Legrand

合併損益表 - 2023年第1季~第3季

單位:新台幣佰萬元

	2023年第1季	%	2023年第2季	%	2023年第3季	%	2023年第1~3季	%
營業收入淨額	2,405	100.0	3,042	100.0	3,501	100.0	8,948	100.0
營業毛利	980	40.7	1,343	44.1	1,651	47.2	3,974	44.4
銷售費用	122	5.1	107	3.5	60	1.7	289	3.2
管理費用	114	4.7	127	4.1	126	3.6	367	4.1
研發費用	532	22.1	547	18.0	531	15.2	1,610	18.0
營業費用	768	31.9	781	25.6	717	20.5	2,266	25.3
營業淨利	212	8.8	562	18.5	934	26.7	1,708	19.1
業外收入及支出	64	2.7	16	0.5	25	0.7	105	1.2
稅前淨利	276	11.5	578	19.0	959	27.4	1,813	20.3
稅後淨利	243	10.1	451	14.8	759	21.7	1,453	16.2
本期淨利歸屬於								
母公司業主	307		494		766		1,567	
非控制權益	(64)		(43)		(7)		(114)	
* 每股盈餘 (元)	1.08		1.74		2.69		5.51	

* 期末發行股數: 3.04億股 ; 流通在外股數: 2.846億股

* 財務資料來源: 會計師核閱

2023年第4季業績展望

基於目前對未來營運展望之假設，義隆公司預期：

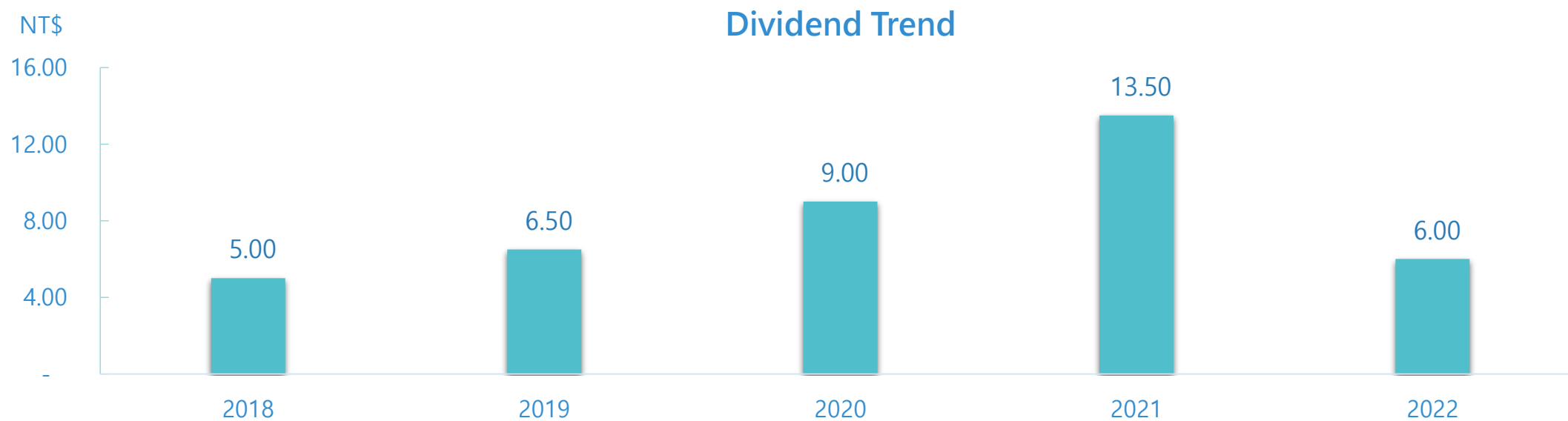
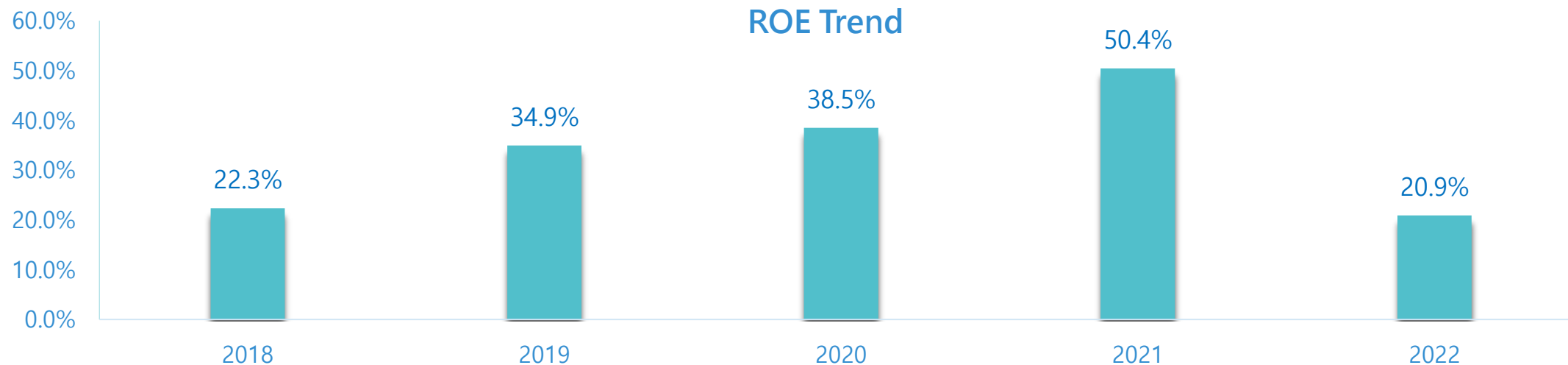
★合併營收約介於新台幣29億~ 31億之間

★ 銷貨毛利率約於46% ~ 48%之間

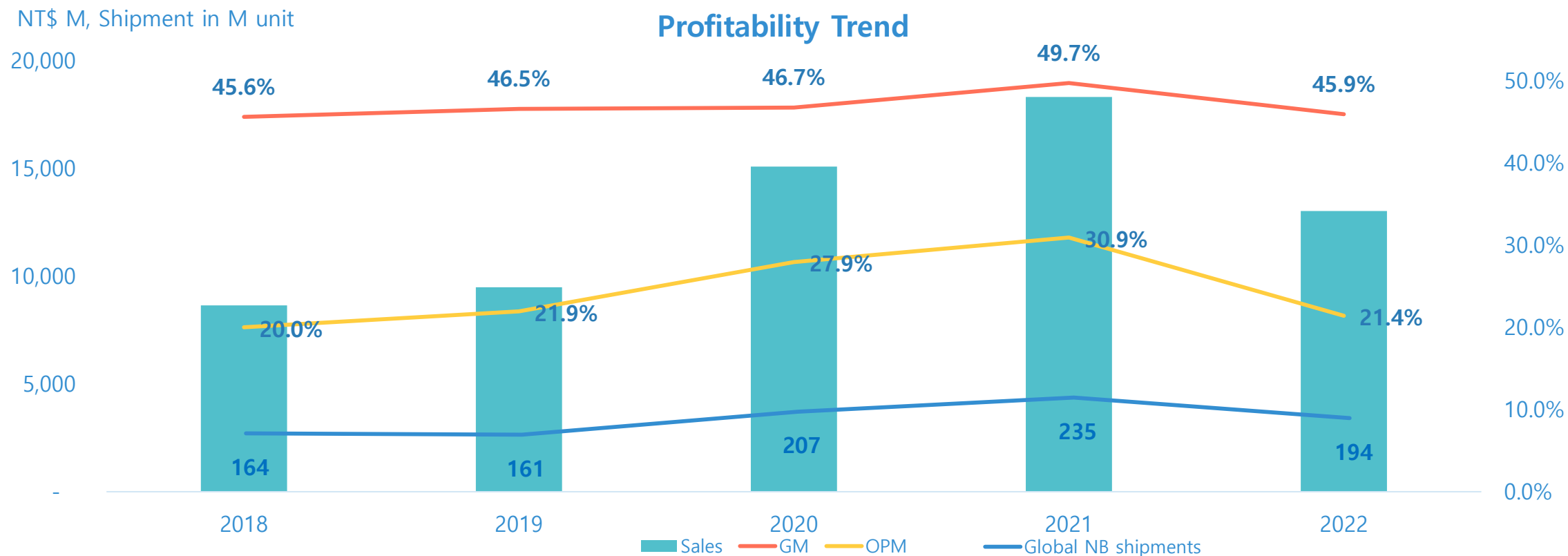
★ 營業利益率約介於20.3% ~ 24%之間

- 簡報內所含之前瞻性敘述將受各項風險與不確定因子影響而與本公司之表示有所差異。
- 除受法令要求外，本公司並無義務於日後情況變動時更新簡報內所為之前瞻性敘述。

股東權益報酬率 & 股利配發



義隆營運績效



- 2018~2021 Revenue CAGR : 20%
- Global NB shipments in 2022 are 194M.



Thank You



ELAN Microelectronics Corporation