August, 2022

投資人關係聯絡: ir@aspeedtech.com

Agenda

• 2Q22 Financial Results	Lili Wu
• New Products Update	Chris Lin
• Q&A	Chris Lin

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Financial Numbers

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Financial Review – Q2/'22 Income Statement

Unit : NTD 1,000	Q2/21		Q1/22		Q2/22		Q2/22 over Q2/21	Q2/22 over Q1/22
	NTD	%	NTD	%	NTD	%		
Operating Revenue	916,436	100	1,151,509	100	1,425,332	100	55.53%	23.78%
Gross Profit	598,267	65.28	756,645	65.71	928,983	65.18	55.28%	22.78%
Operating Expenses	189,038	20.63	211,128	18.33	234,738	16.47	24.18%	11.18%
Operating profit	409,229	44.65	545,517	47.37	694,245	48.71	69.65%	27.26%
Non-operating income and expenses	-38,883	-4.24	43,626	3.79	17,105	1.2	-143.99%	-60.79%
Pre-Tax Profit	370,346	40.41	589,143	51.16	711,350	49.91	92.08%	20.74%
Net Income	301,469	32.9	468,065	40.65	563,412	39.53	86.89%	20.37%
EPS(Basic)	8		13.64	—	14.9	—	86.25%	9.24%

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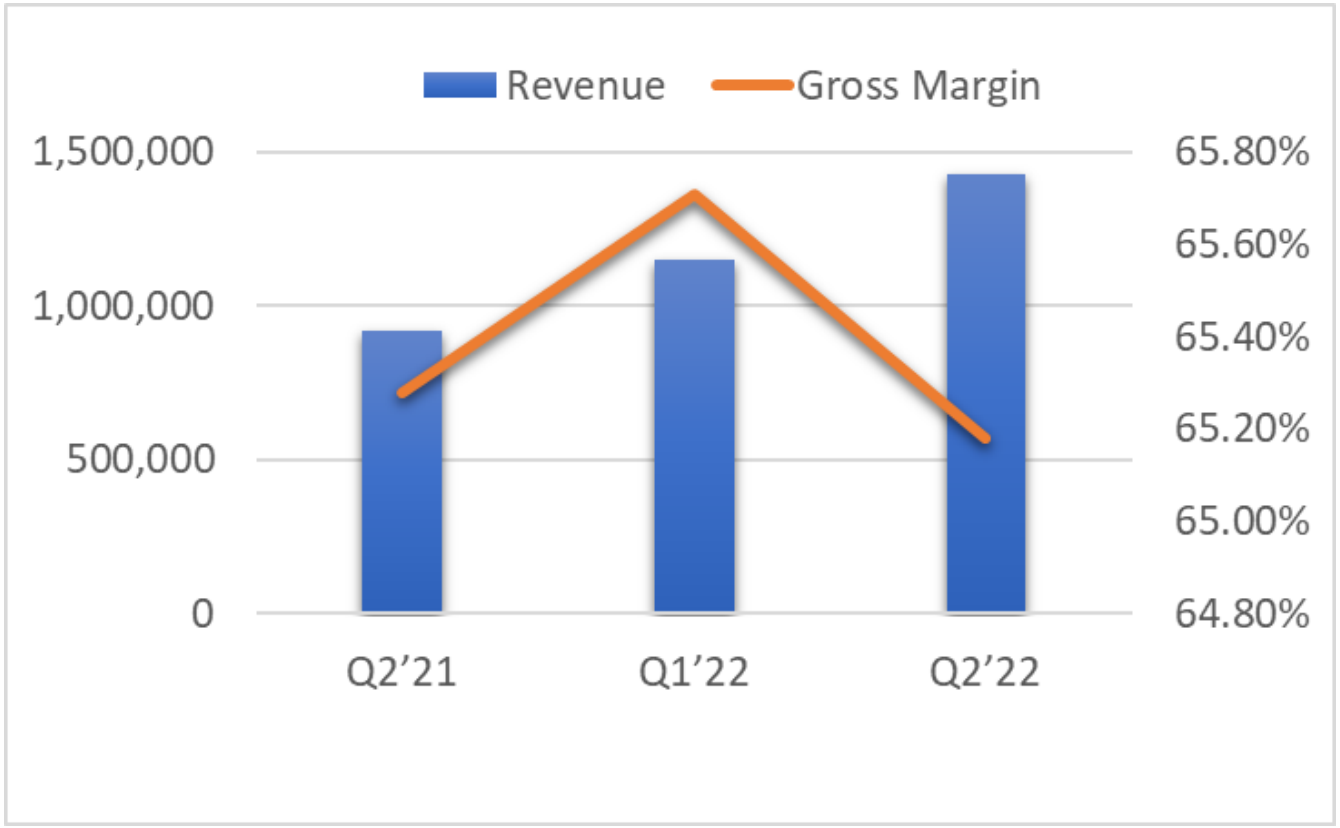
Consolidated Revenue

Unit : NTD 1,000



Quarterly	Q2'21	Q1'22	Q2'22	YoY	QoQ
Revenue	916,436	1,151,509	1,425,332	55.53%	23.78%
Gross Margin	65.28%	65.71%	65.18%	-0.15%	-0.81%

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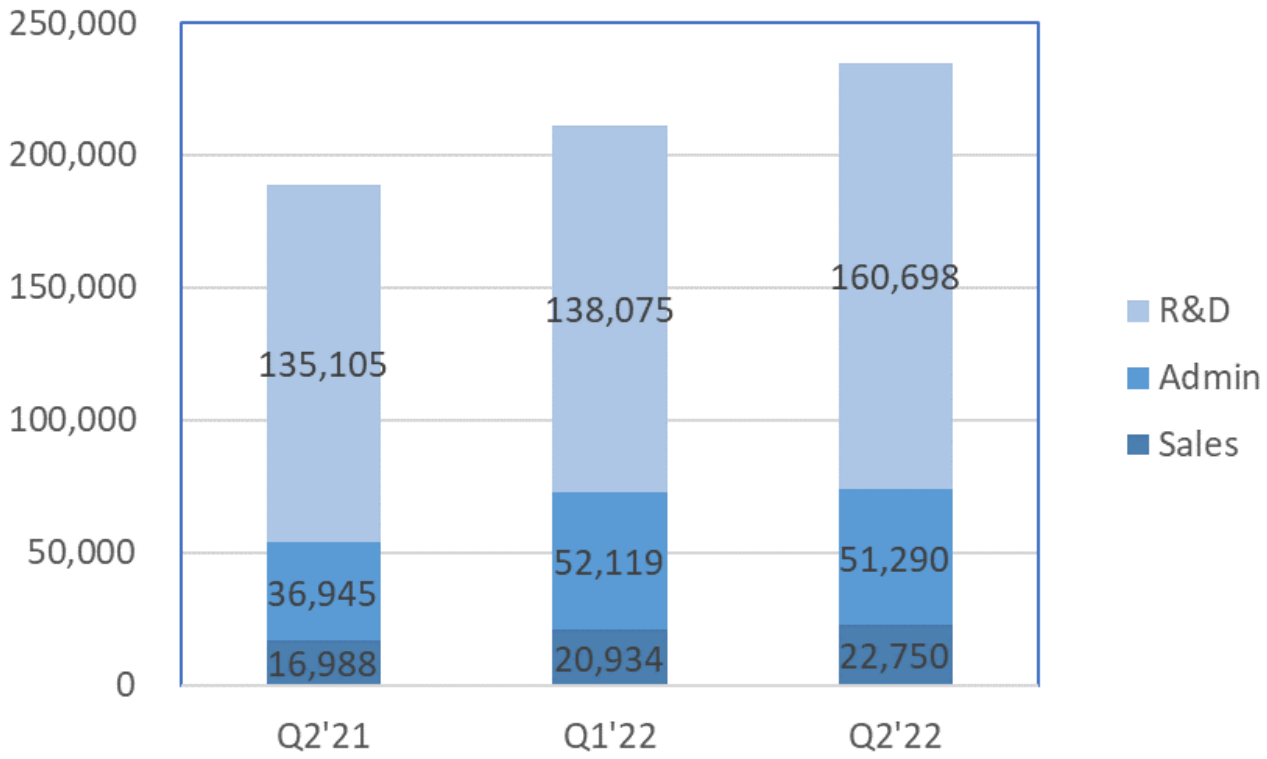
Consolidated Operating Expenses

Unit : NTD 1,000



Quarterly	Q2'21	Q1'22	Q2'22	YoY	QoQ
Operating Expenses	189,038	211,128	234,738	24.18%	11.18%

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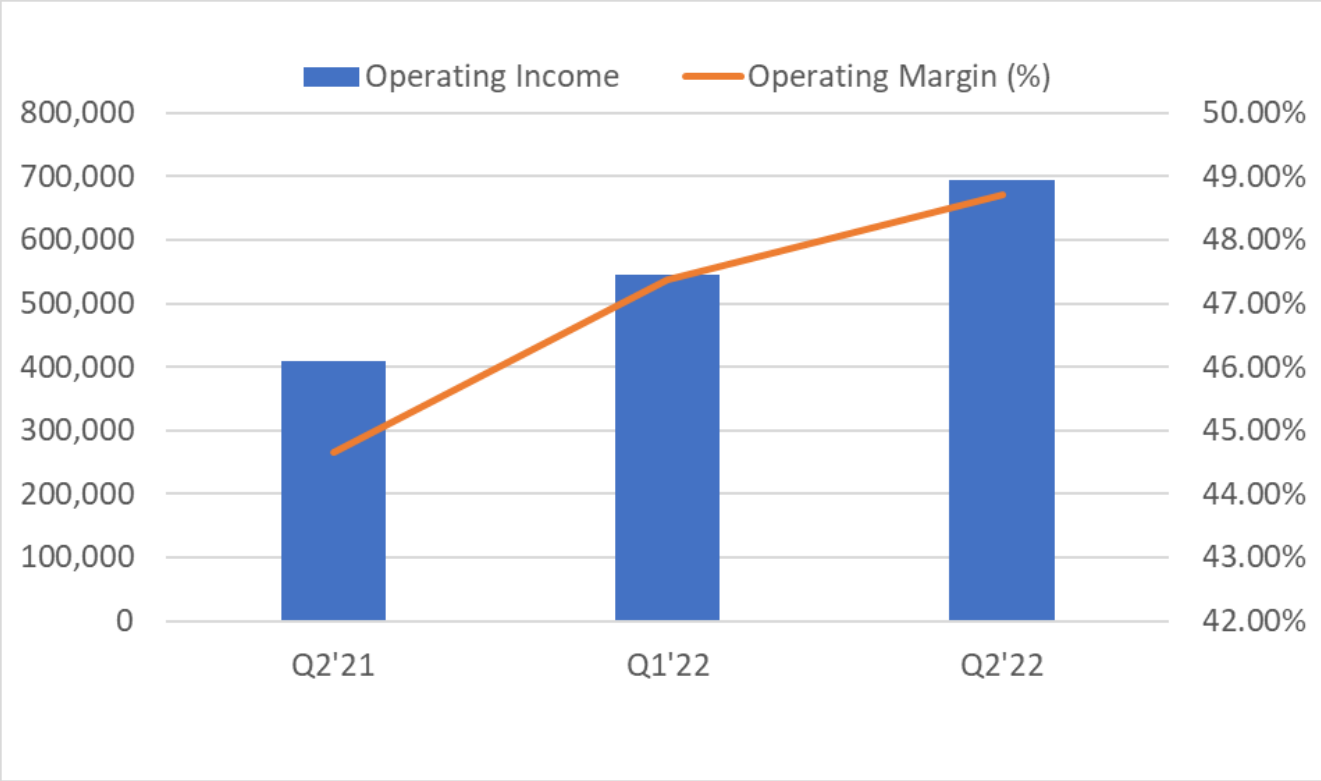
Consolidated Operating Income

Unit : NTD 1,000



Quarterly	Q2'21	Q1'22	Q2'22	YoY	QoQ
Operating Income	409,229	545,517	694,245	69.65%	27.26%
Operating Margin (%)	44.65%	47.37%	48.71%	9.09%	2.83%

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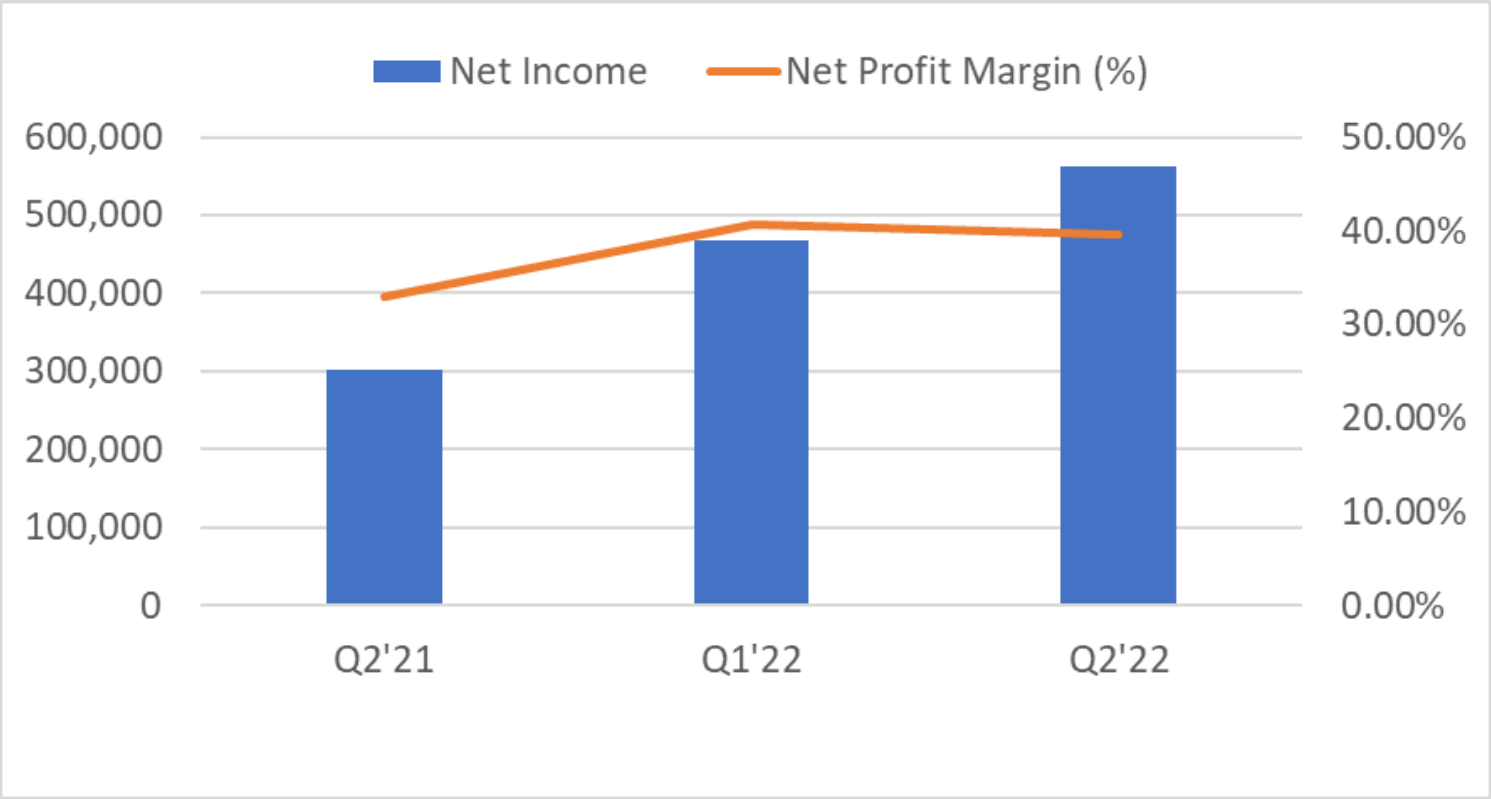
Consolidated Net Income

Unit : NTD 1,000



Quarterly	Q2'21	Q1'22	Q2'22	YoY	QoQ
Net Income	301,469	468,065	563,412	86.89%	20.37%
Net Profit Margin (%)	32.90%	40.65%	39.53%	20.15%	-2.76%

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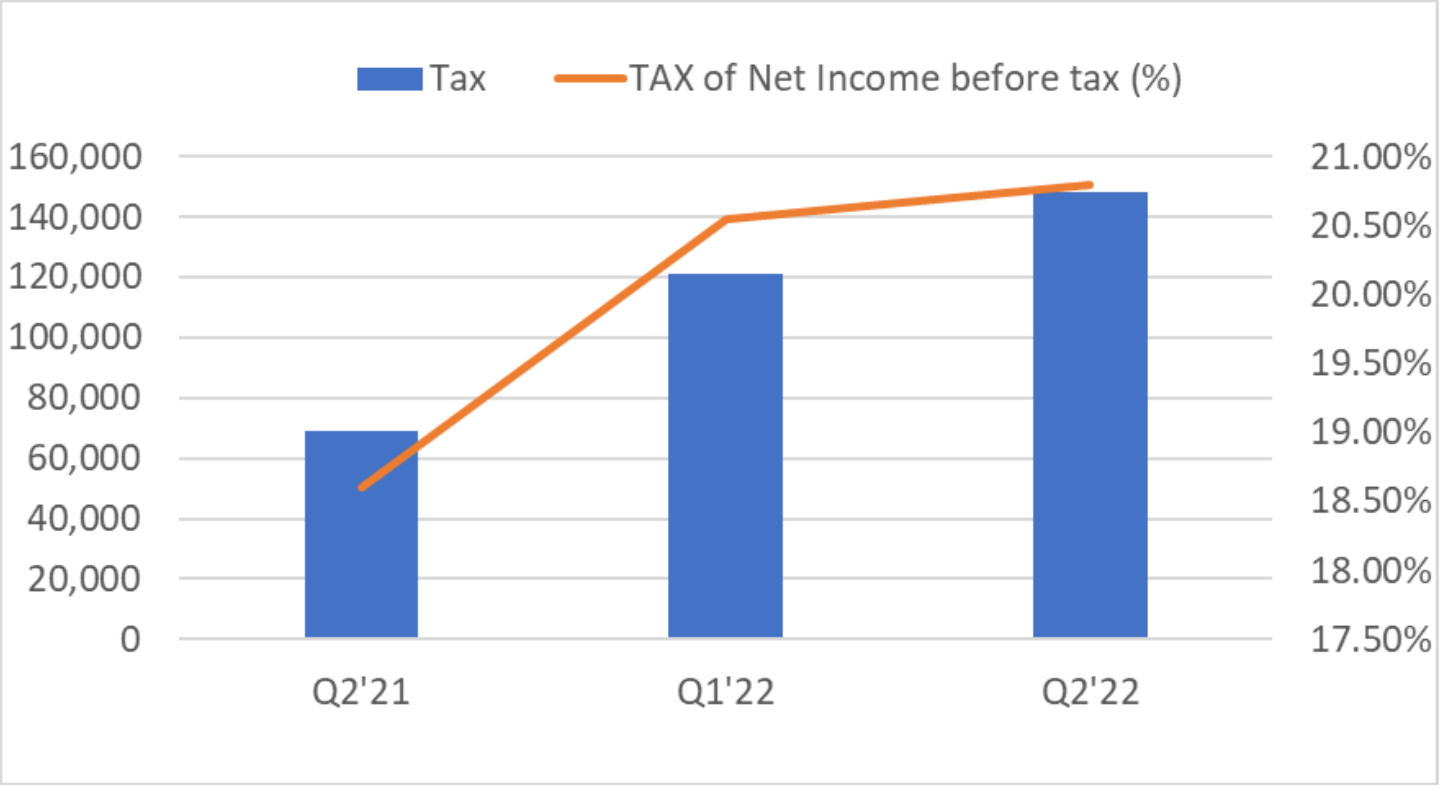
Consolidated TAX

Unit : NTD 1,000



Quarterly	Q2'21	Q1'22	Q2'22	YoY	QoQ
Tax	68,877	121,078	147,938	114.79%	22.18%
TAX of Net Income before tax (%)	18.60%	20.55%	20.80%	11.83%	1.22%

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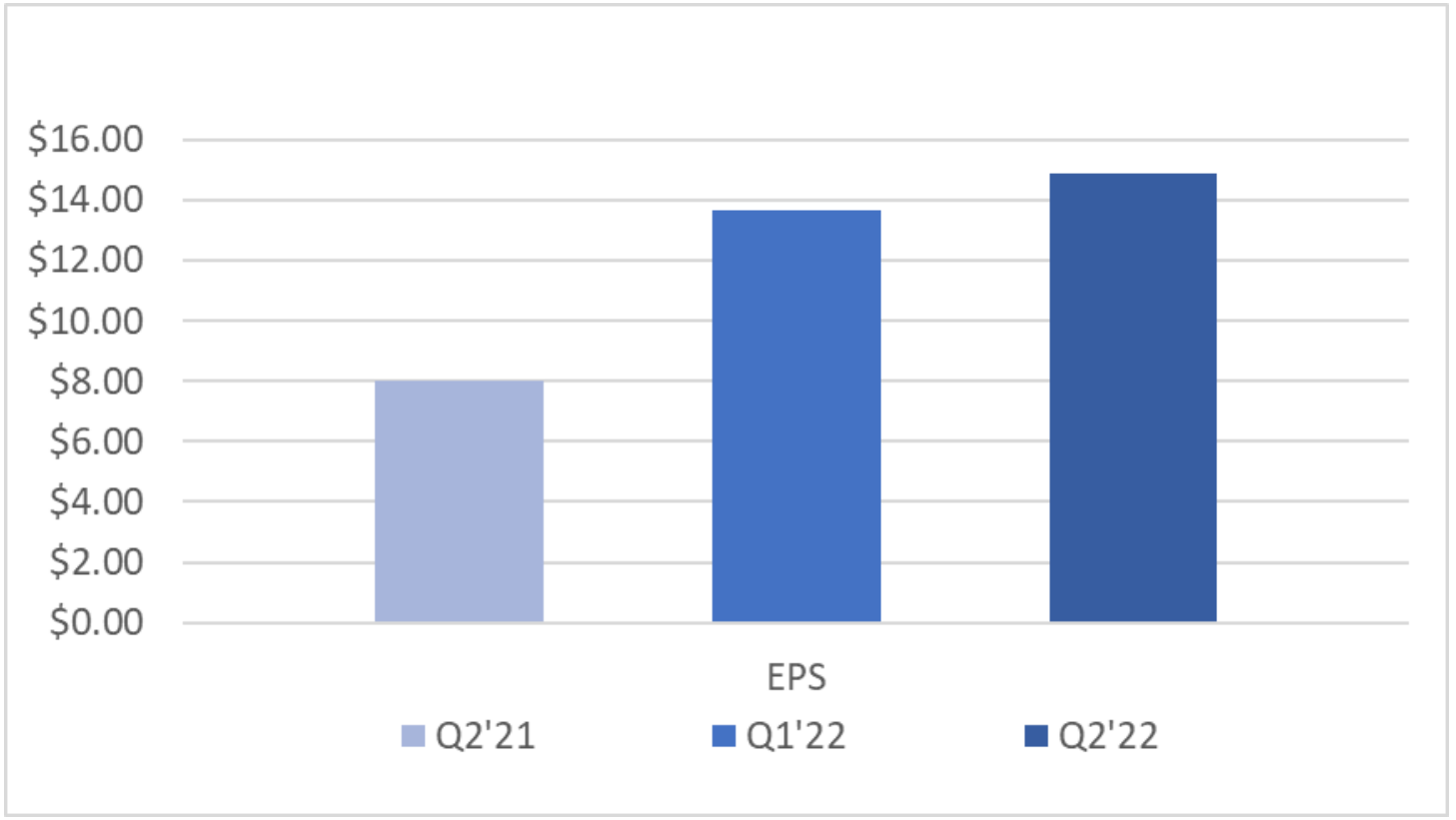
Consolidated Earning Per Share

Unit : NT$



Quarterly	Q2'21	Q1'22	Q2'22	YoY	QoQ
EPS	$8.00	$13.64	$14.90	86.25%	9.24%

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Dividend Policy

	2013	2014	2015	2016	2017	2018	2019	2020	2021
Cash dividend	5.5	7	8	12	15	18	22	26	35
Stock dividend	0	2	0	0	0	0	0	0	0
Dividend form Capital reserves	1	0	0	0	0	0	0	0	1
Total Dividend	6.5	9	8	12	15	18	22	26	36
EPS	7.4	10.72	10.79	14.07	15.7	20.2	24.39	29.38	38.3

Earning distributions:

- Employee bonus can not be less than 8%
- Directors bonus no higher than 3%
- With respect to the earnings available for distribution plus the previously cumulative undistributed retained earnings, the Board of Directors may present a proposal to distribute to the Shareholders by way of dividends at the annual general meeting for approval. Having considered the operational, financial and tax factors, including the Company being in the growing stage during the business life cycle and the future expansion projects, any remaining profits may be distributed in the form of cash dividends and/or shares, and the cash dividends shall be no less than 10% of such remaining profits to be distributed.

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2022 Guidance

- ASPEED’s Guidance for the year will be 45% YoY.

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Corporate Resilience

For **16** consecutive years achieved record revenues and profit since founding

A **9** consecutive years being selected as “Forbes Asia Best Under A Billion”

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2021 ESG Remarkable Highlights

Environment

- ISO14064 GHG emission verification
- 0 complaints and penalties related to environmental issues

ISO 14064

Social

- Average salary of non-management employees ranked 13th among listed firms in Taiwan (Total 1,744 companies)

Governance

- ISO27001 Information Security Management System
- TWSE corporate governance evaluations rose to a higher bracket for two consecutive years. In 2021: 21-35% bracket.

27001

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2021 ESG Performance

治理面

年增 **18.74%** 全年營業收入36.38億元

年增 **30.68%** 稅後淨利13.13億元

連續 **16年** 營收、獲利雙創新高

全球 **市佔第一** 遠端伺服器管理晶片（BMC SoC）

5.47億元 研發費用（占當年度營業額15.04%）

49件 全球專利（臺灣25件）

通過 **Cortex XDR 2.0** 資安防護系統

100% 供應商禁用衝突礦產

ISO 9001:2015 品質管理系統驗證

94.29% 高客戶滿意度

0件 誠信經營相關投訴與裁罰

0件 資安相關投訴與裁罰

環境面

ISO 14001:2015 環境管理系統驗證

100% 法規符合度（空氣/水體/廢棄物/能源管理/噪音/RoHS/Reach/HF）

臺灣當地採購金額比例為 **83%**

655.23公噸CO_2e/百萬顆 溫室氣體排放密集度

193.53公噸/百萬顆 用水密集度

-61.34% 能源消耗 第7代較第6代晶片，約可節省5,902.37公噸碳排放量

-93.21% 能源消耗 第7代較第1代晶片，約可節省47,379.07公噸碳排放量

0件 環境相關投訴與裁罰

社會面

236.10萬元/人 非主管職平均員工薪資（2021上市櫃公司排名第十三名）

3.44億元 員工福利費用（年增19.44%）

1552小時 員工教育訓練總時數

5.88%，平均離職率遠低於業界

0件 人權 相關投訴與裁罰

1,075.77萬元 歷年累計社會捐贈

持續 **7年** 遠見天下教育基金會「播下閱讀的種子：給孩子一個大未來」活動

27.12萬元 持續偏鄉關懷，捐贈台東縣蘭嶼鄉全體國民小學學童運動服

為期 **4年** 2020-2023年國立清華大學「旭日專案」

2020-2023年國立交通大學「青年講座教授贊助計畫」

2021-2024年國立清華大學「青年講座教授贊助計畫」

ASPEED in Brief

- Established in Nov. 15th , 2004
- Paid-In Capital: NTD 378M (USD 12.59M)
- Number of Employees: 105
- Locations:
  - ASPEED Technology Inc.
    - Hsinchu City, Taipei
    - Taipei, Taiwan
  - ASPEED Technology (U.S.A) Inc.:
    - San Jose, USA

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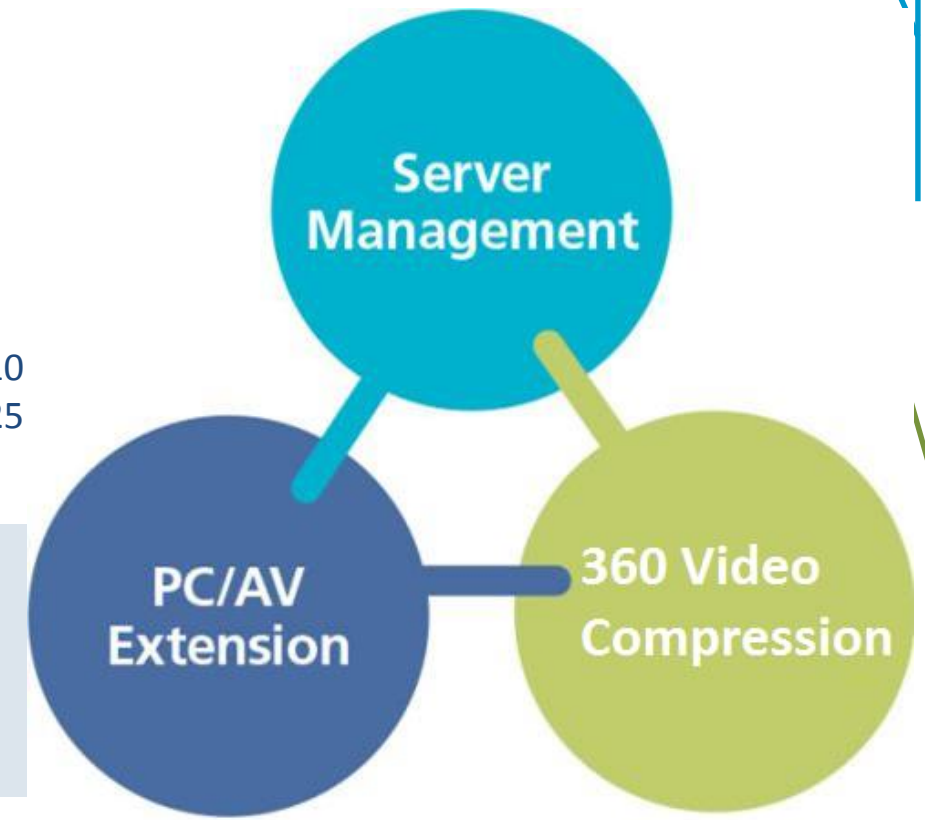
New Products Introduction

Product Lineup

AST2400 / AST1400 / AST1250
AST2500 /AST2510 / AST2520 / AST2530
AST2600/2620
AST1030/1060
AST2700/1700

28nm LP Process
Dual Core 1GHz CPU
DDR4 SDRAM
Robust Security Architect and Features
ES: July/2020
PS: Nov/2021



AST1500 / AST1510
AST1520 / AST1525
AST1620

55nm LP Process
Support 4Kx2K Resolution
<80 us latency
ES: 2020/Q2
PS: 2020/Q3

AST1220
AST1230

28nm LP Process
1GHz CPU
DDR4-2666
4-Cam Real Time Stitching each with 4 lane, up to 12M
ES: Aug. 2020
PS: Nov. 2021

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Products Roadmap vs CPU Schedule

	2021~2022	2023	2024	2025	2026
CPU platform	Wh* Mi*	E/S Ge*	E/S refresh Ge*	B/S Beg*	B/S refresh
CPU launch	Ice*	SP	ER	GR	DR
ASPEED BMC	AST2500 or AST2600	AST2600	AST2600	AST2600 or AST2700	AST2700
ASPEED BIC	AST1030	AST1030	AST1030	AST1030	AST1030
ASPEED HRoT		AST1060	AST1060	AST1060	AST1060

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AST1030 Applications

OCP Yosemite Project

- BMC: AST2520/AST2620
- BIC: AST1030

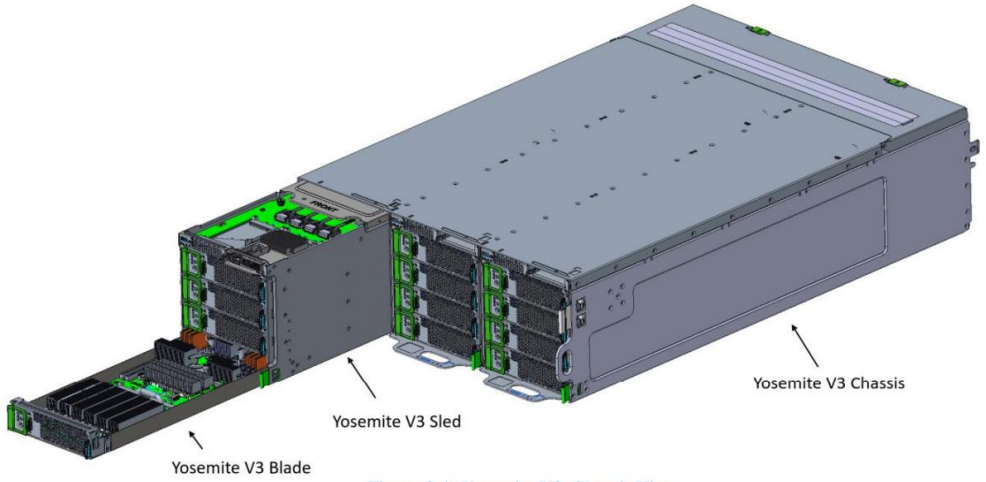
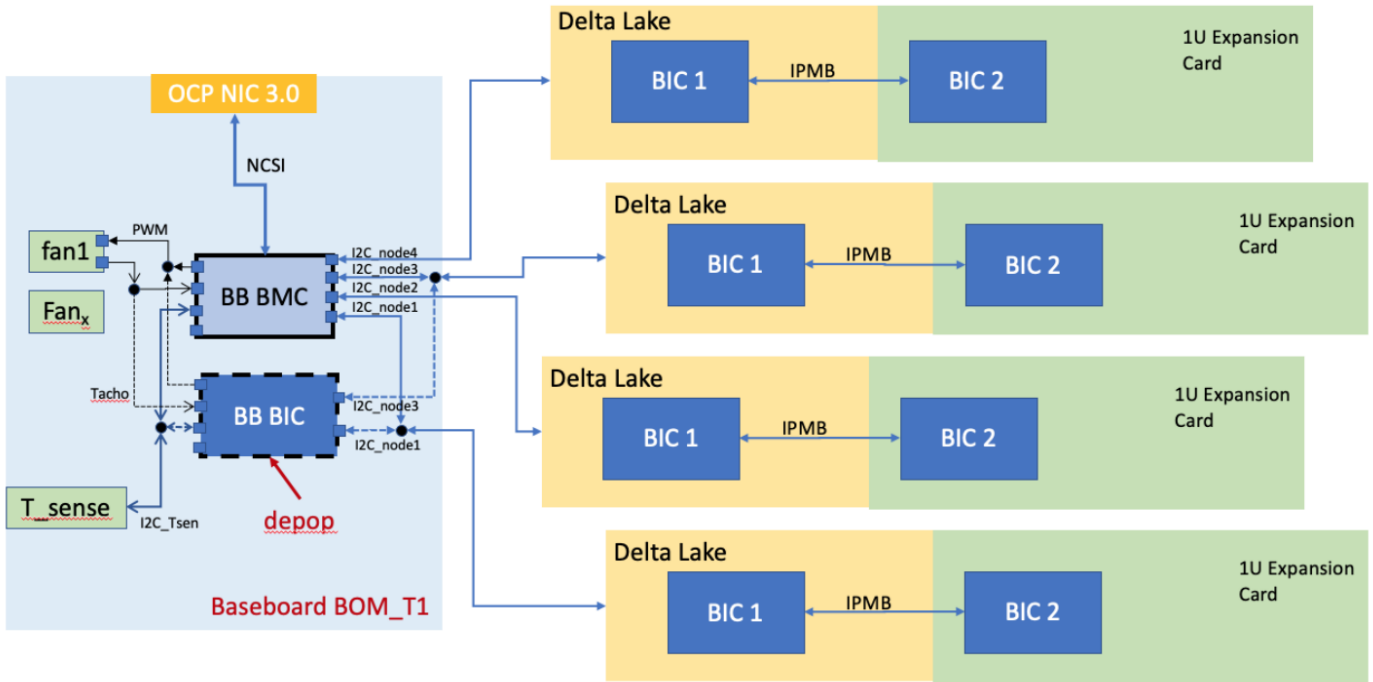


Figure 3-1: Yosemite V3, Chassis View



Reference Yosemite V3 Platform Design

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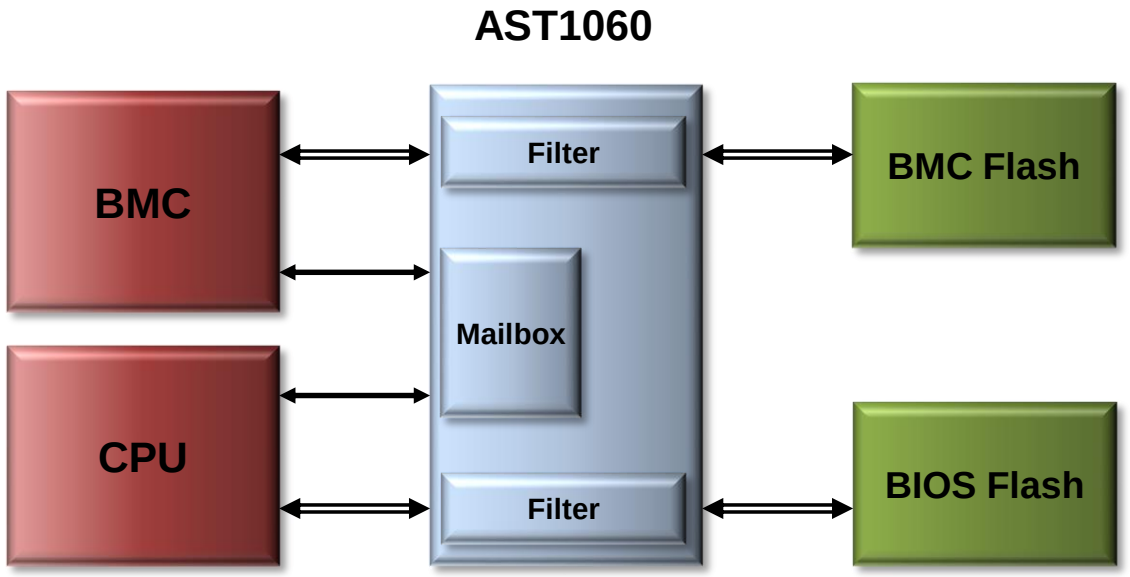
AST1060 HRoT

- AST1060 is compliant to **NIST SP 800-193** to offer a platform firmware resilience (**PFR**) solution.
- **Hardware Root of Trust (HRoT)**
  - **Protection** - Real time firmware protection using the hardware SPI filtering
  - **Detection** - Includes HW Crypto for firmware measurement and authentication
  - **Recovery** - Supports firmware roll back feature upon detection of firmware corruption or failed



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Maximize Dollar Income per Rack

Expand Application TAM

Server, switch, networking, storage, 5G Telecom, Power Management, Cooling, etc

+

Support customer needs

=

Earn More Dollar per Rack

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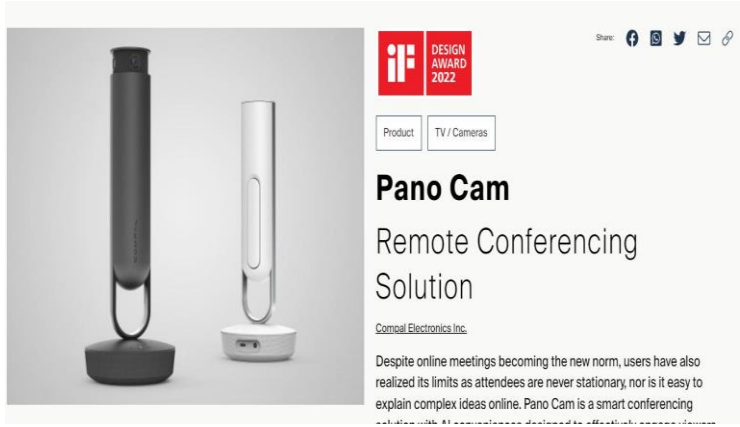

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ASPEED

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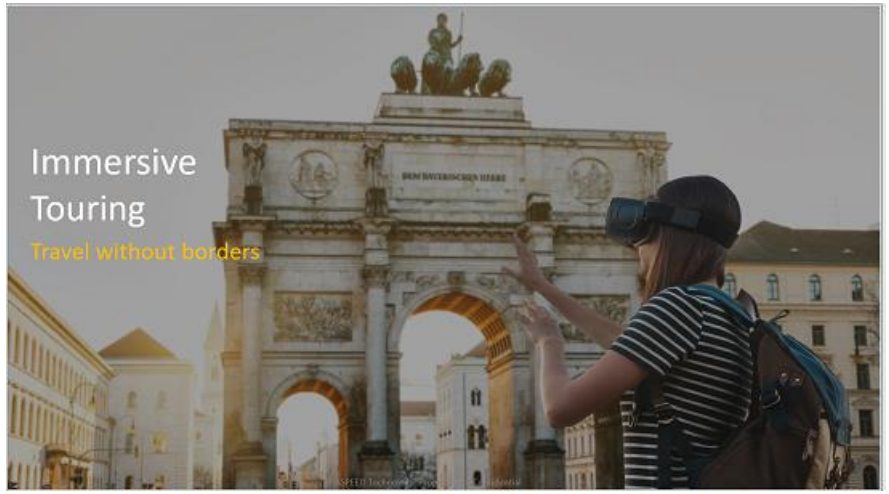
Patrolling

Touring



Learning

Monitoring

Thank you