



信驊科技公司簡介

Q4, 2023



投資安全聲明

信驊科技所提供之資訊 (除歷史資訊外)屬預測性陳述，受到各種風險及不確定性因素影響，可能造成實際結果與陳述內容發生顯著不符，這些不確定性因素包括：受到競爭性產品及定價之影響、設計是否及時被客戶接受、新技術是否及時導入利用、新產品大量量產之能力、產業及市場對產品之供給及需求移轉、產業及市場是否供給過剩、製造產能可得利用情況、終端市場之財務穩定性、人才留任困難之可能性、無法預期之成本和費用、任何併購相關之不確定性，如主管機關核准之取得 或整合延遲、重要客戶之流失、法律或行政訴訟之涉及、可能會影響營運之新法規、外匯匯率之波動、全球經濟因素或非經濟因素之影響及其他風險因素等。

Safer Harbor Notice

ASPEED's statements of its current expectations are forward-looking statements subject to significant risks and uncertainties and actual results may differ materially from those contained in the forward-looking statements. Except as required by law, we undertake no obligation to update any forward-looking statement, whether as a result of new information, future events, or otherwise.



關於信驊科技

- Founded in 2004
- Fabless-lite IC design company
- Number of employees: 125 (as of Nov. 2023)
- Locations:
 - Headquarters: Hsinchu City, Taiwan
 - US office: San Jose, CA
- Product lineup:
 - Cloud & Enterprise (BMC/BIC/PFR)
 - Smart AV (Cupola360 & AVoIP SoC)

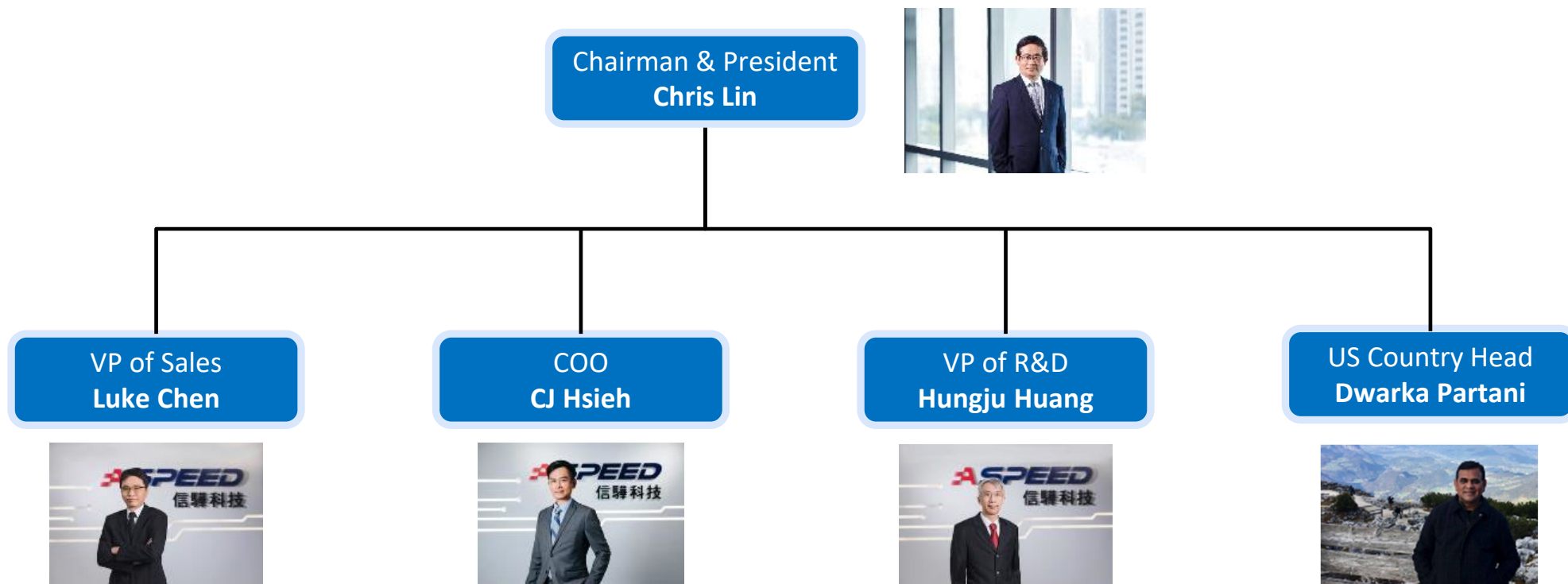




願景與理念



營運團隊



重大里程碑

ASPEED founded

2004.11

ISO 9001:2000 certified

Introduced 2nd gen BMC SoC AST2100/2050/1100

Introduced 3rd gen BMC SoC AST2200/2150

2007-2008

Listed on the Taiwan OTC stock market

Listed on Taipei Exchange

Introduced 6th gen BMC SoC AST2500

2012-2014

Joined Open Compute Project (OPC)

Introduced new product line: Cupola360 Spherical Image Processor

ISO 14001:2015 certified

2017-2018

2005-2006

Introduced 1st gen BMC SoC AST2000/1000

Delivered 1st mass production of SoC shipment

2009-2011

Launched new product line: PC/AV Extension SoC

Received funding from Intel Capital

2015-2016

BMC SoC market share ranked No.1

Acquired Broadcom Emulex Pilot™ BMC SoC Business

ISO9001:2015 certified

2019-2023

Introduced 7th gen 28nm BMC SoC AST2600

ISO 27001:2015 certified

ISO 14064:2018 certified

獲獎及榮譽

2014 - 2023

Forbes Asia's Best Under A Billion for **10** consecutive years

2009

COMPUTEX Best Choice Award

2008

Ranked 37th in Deloitte Asia Pacific Technology Fast 500

2020

Lenovo Technology Innovation Award

Chairman & President Mr. Chris Lin received NYCU Distinguished Alumni Award



2021

Chairman & President Mr. Chris Lin received Outstanding ICT Elite Award and NTHU Distinguished Alumni Award

High-Growth Companies Asia Pacific 2021 from the Financial Times



2022

COO Mr. CJ Hsieh received SEMI Industry Contribution Award and ISES Advisory Board Member Award

Taiwan Best-in-Class 100 from Taiwan Institute of Directors and CDRC Consulting Group



2023

Chairman & President Mr. Chris Lin received the ERSO Award

InfoComm Best of Show

Ranked 1st in Most Honored Company (All Asia Executive Team – Semiconductor) from Institutional Investor

Ranked 5th in Business Performance of Taiwan's Top 5000 Large Enterprises from CRIF



營運亮點

2022 Market Cap
(NTD)

**63.7
Billion**

10Y CAGR
(2013-2022)



27.4%

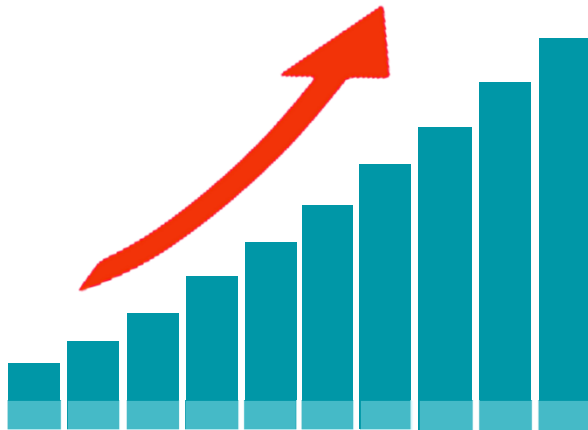
BMC SoC
Market
Share



**World's
No.1**

企業韌性

Achieved record revenue and
profit since founding
for **18** consecutive years



“Forbes Asia’s Best Under A Billion”
for **10** consecutive years



Forbes Asia

The ASPEED logo is located in the top left corner of the image. It features the word "ASPEED" in a bold, italicized, sans-serif font. The letters are white with a slight blue outline, giving it a high-tech appearance. The background of the entire slide is a close-up, artistic photograph of a circuit board. The board is dark, possibly black or dark blue, and is covered with numerous small, glowing orange and yellow lights that resemble solder joints or micro-components. The lighting is dramatic, with a strong blue tint on the left side that fades into a lighter blue on the right. The overall effect is one of advanced technology and precision engineering.

ASPEED

產品與技術



產品組合



Cloud & Enterprise

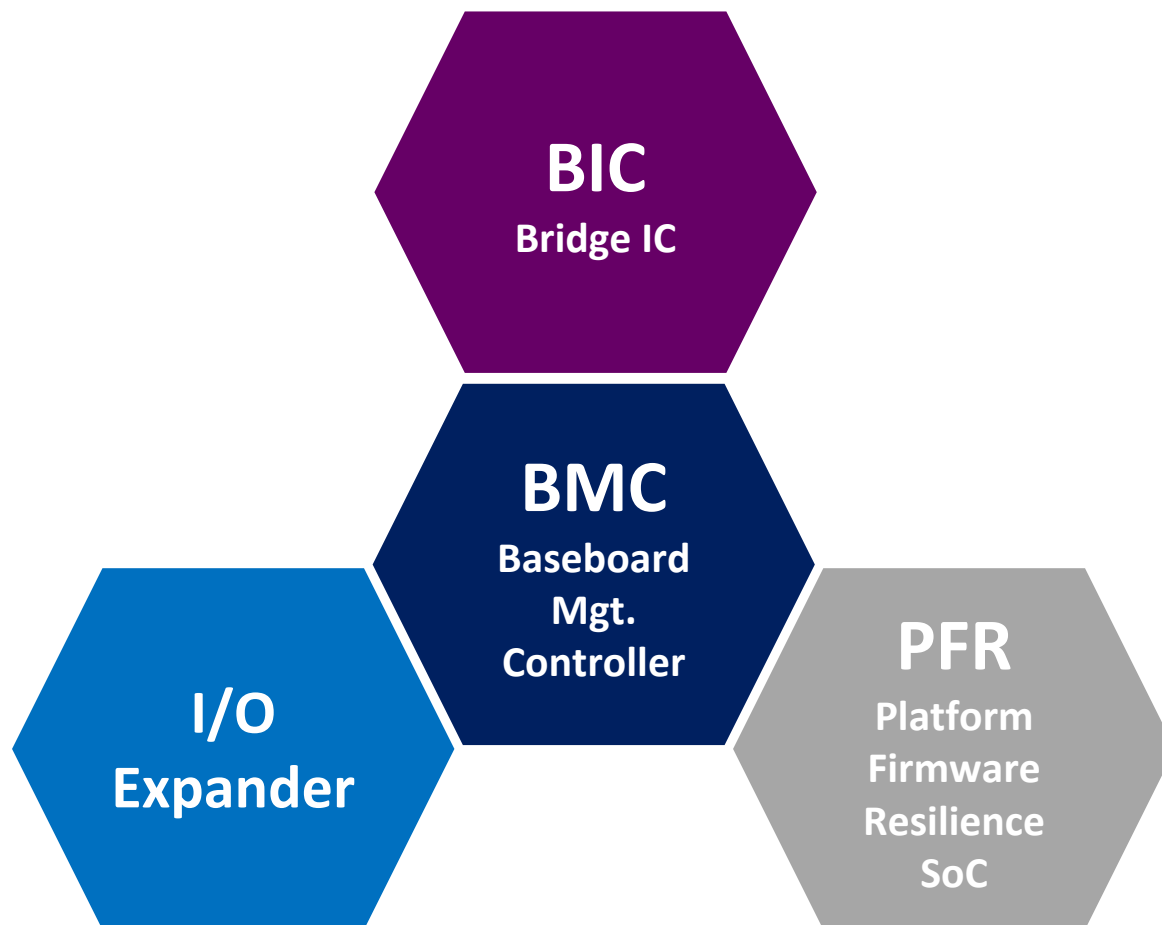
- BMC
- PFR
- BIC
- I/O Expander

Smart AV

- Cupola360
- AVoIP



雲端企業解決方案

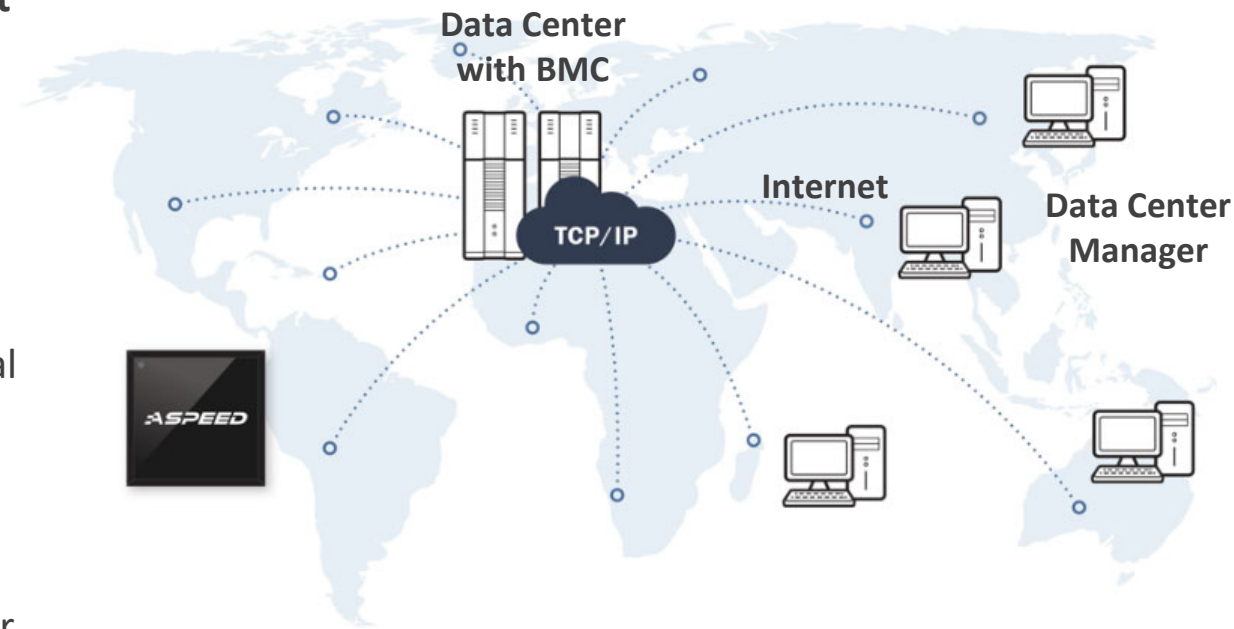


雲端企業產品路線圖



遠端伺服器管理晶片(BMC)

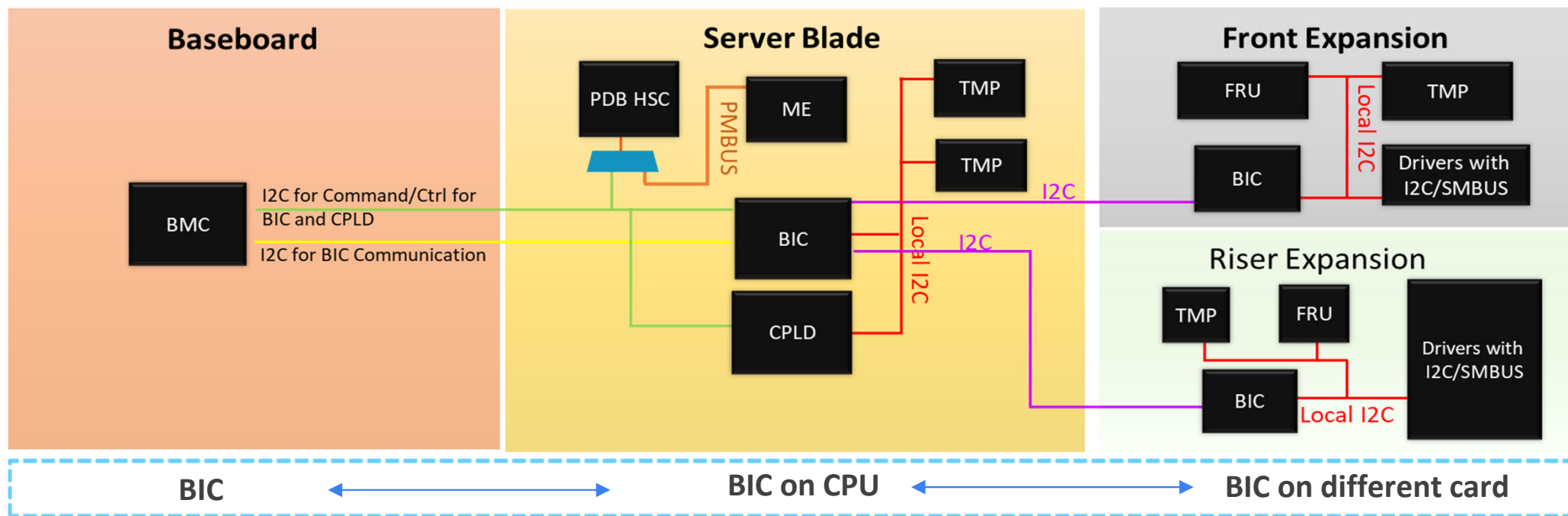
- Specialized processor includes 2D graphics and logic control features
- **Used for remote monitoring and management of host systems**
- Located on the motherboard of **computers, servers, networks, and storage devices**
- Can be **accessed remotely via dedicated or shared networks**
- Monitor hardware via sensors, flash BIOS/UEFI
- Provide host access via serial or physical/virtual KVM Console, and power cycle to record host and log events
- **Streamlines operations, saving time and manpower** by eliminating the need for administrators to physically inspect each server in the rack while still enabling them to perform maintenance.



Bridge IC (BIC)

- Compact processor equipped with integrated memory and storage
- In tandem with BMC within OCP framework, enhancing its management capabilities

- Improve operational efficiency by acting as a localized BMC agent
- Features built-in logic control and supports multiple connections to the host system and BMC, enabling event logging from the system where it is deployed

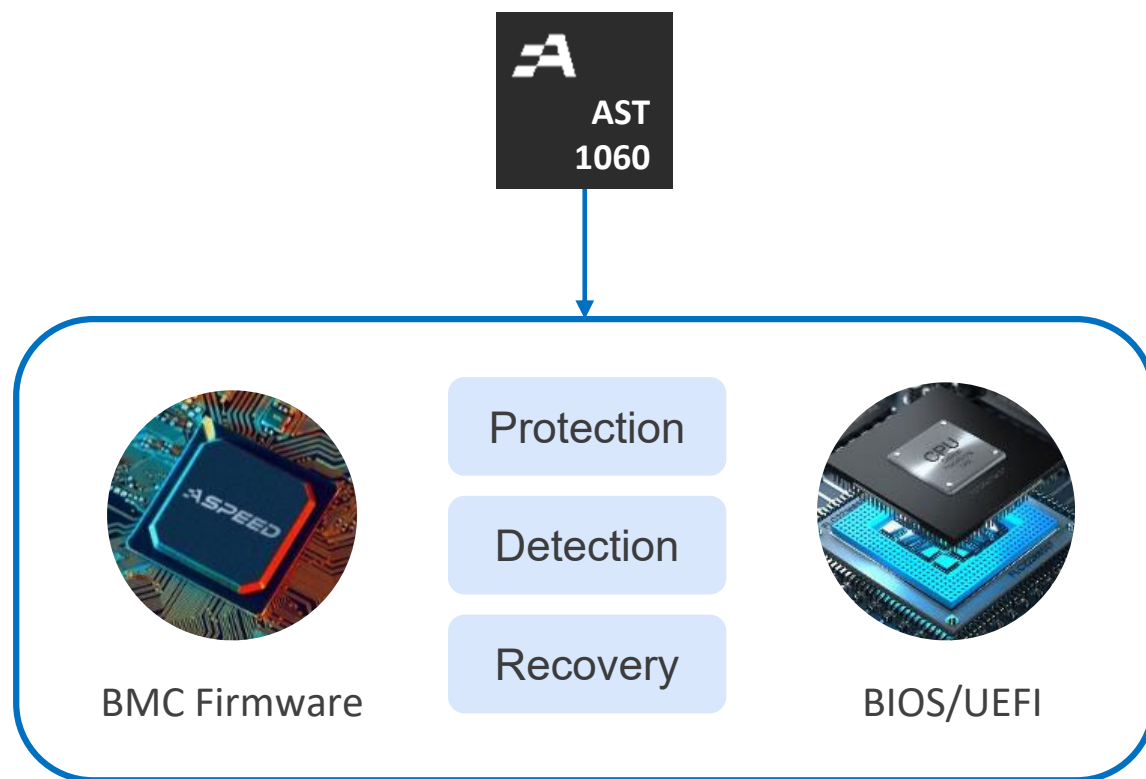


PFR伺服器安全晶片

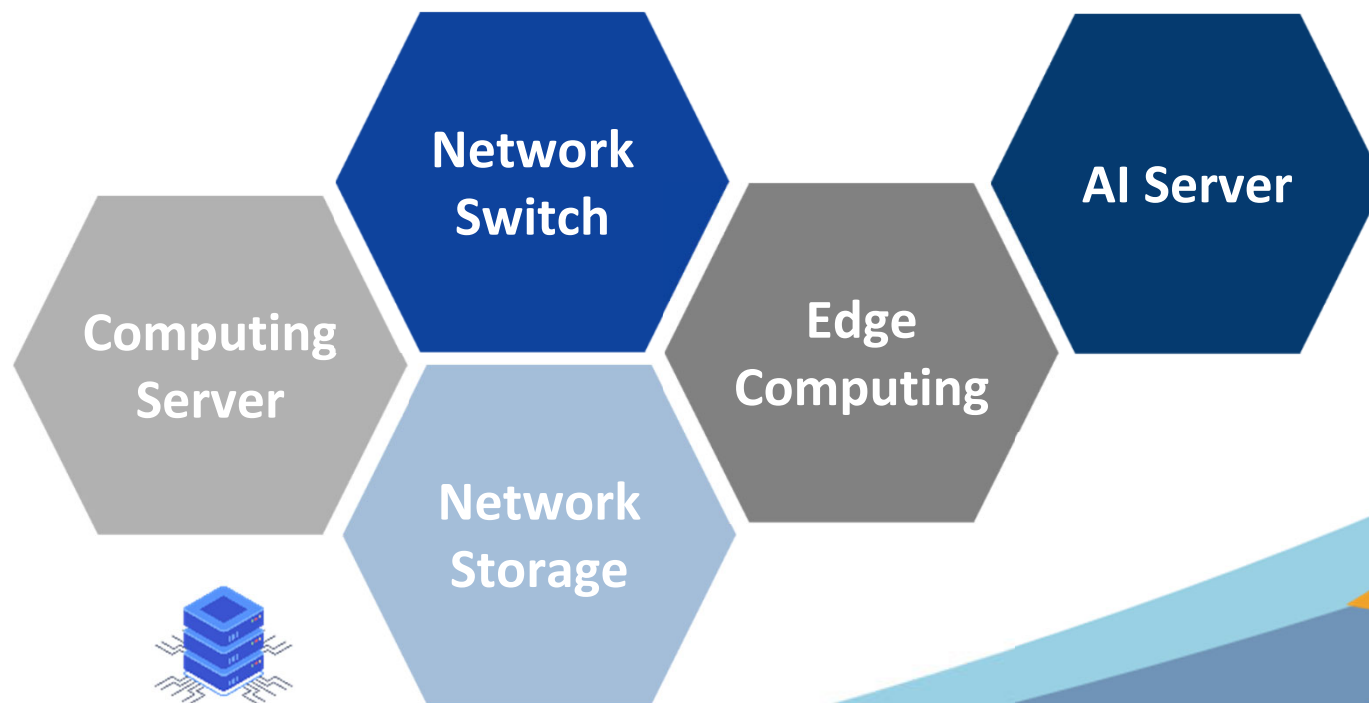
ASPEED utilizes the PFR SoC to ensure **firmware security across the enterprise platform**, effectively safeguarding the platform firmware against potential malicious attacks.

PFR Guideline

- Published by National Institute of Standards and Technology (NIST) in 2018
- A security specification intended to **protect platform firmware, system BIOS/UEFI, and BMC firmware from malicious attacks**
- Firmware must meet three criteria: **protection, detection and recovery**

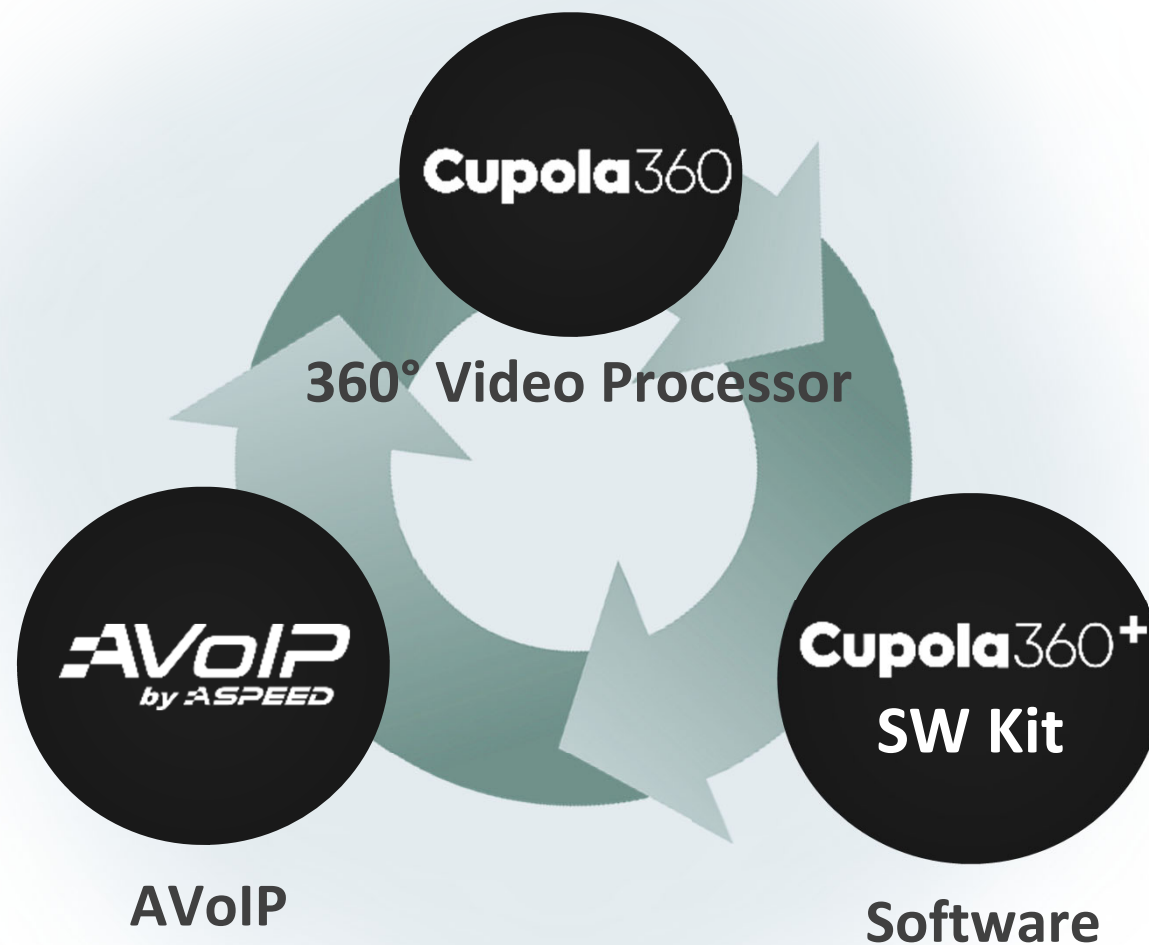


雲端企業產品應用





智慧AV解決方案



智慧AV解决方案

AVoIP
by ASPEED

AST 1520
4K2K@30
Matrix AV over IP
Solutions
456-pin 19x19 mm, TFBGA

AST 1620
4K2K@30
1 to 1 AV over IP
USB Webcam over IP
128-pin 14x14 mm
LQFP

AST 1630
4K2K@60
1 to Many AV over IP
400-pin 17x17 mm
TFBGA



- Video Wall
- Digital Signage
- Command Center

AST 1530

AST 1535

Two-chip solutions for
4K2K@60
Matrix AV over IP

AST 1220
4K2K@30
Image Stitching Processor
USB Webcam
500-pin 12x12 mm, TFBGA

AST 1230
8K2K@30
Image Stitching Processor
Hybrid Video Conferencing
426-pin 13x13 mm, CSP

Cupola360

- Video Conference

- ImmersiveX
- LIVE 3D Experience

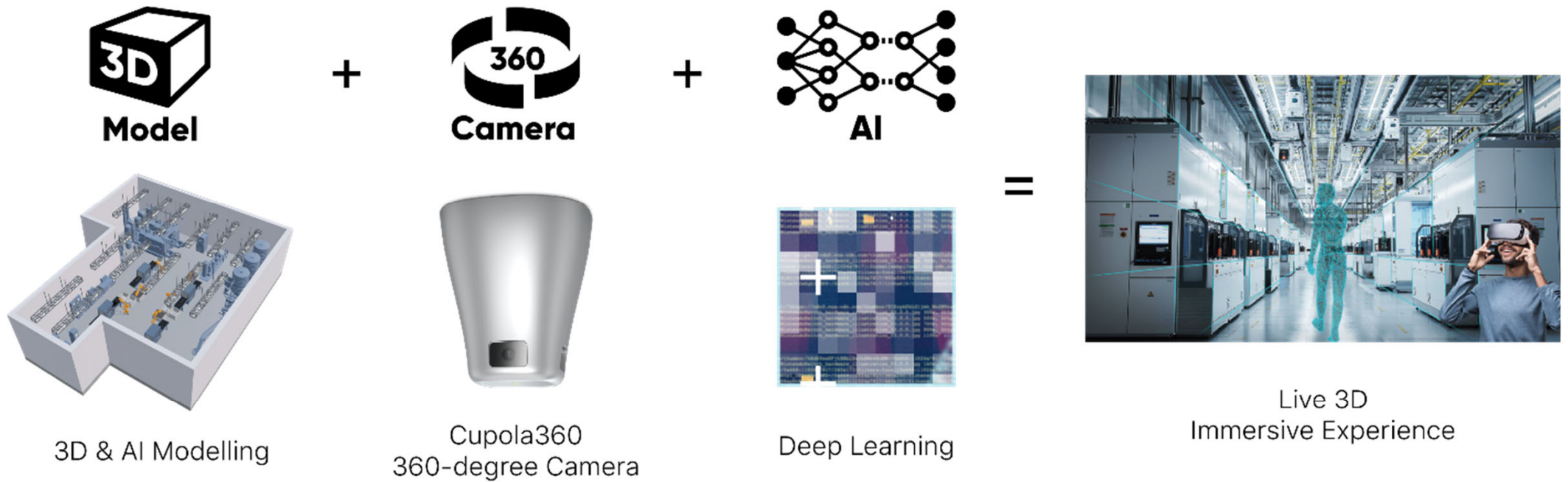


Cupola360全景影像處理晶片

- Designed with proprietary **in-camera image stitching technology** tailored for 360-degree images
- **Real-time and optically perfect panoramic views** with ultra-high resolution
- Cupola360 offers an **efficient and optimized 360-degree camera total solution** for real-time immersive scenarios with its self-developed Cupola360+ Software Kit.
- **Application scenarios:**
 - Video conferencing
 - Remote inspection and audit
 - Virtual factory tours
 - Education
 - ... and many more



Cupola360打造即時沉浸式體驗



AVoIP影音延伸控制系統單晶片

ASPEED's AVoIP SoC employs standard IPs featuring a dual-codec engine and proprietary compression technology, enabling support for **long-distance audio/video extension** at up to **4K60 visual lossless quality** using standard **ethernet cables**.

Application Scenarios

- Command centers
- Control rooms
- Conference rooms
- Lecture halls
- Court rooms
- Sports bars



AVoIP
by ASPEED

The ASPEED logo is located in the top left corner of the slide. It features the word "ASPEED" in a bold, italicized, sans-serif font. The "A" is stylized with a horizontal line through it. The background of the slide is a blue and white abstract graphic with a grid pattern and a glowing light effect.

ASPEED

財務報告

Q3, 2023

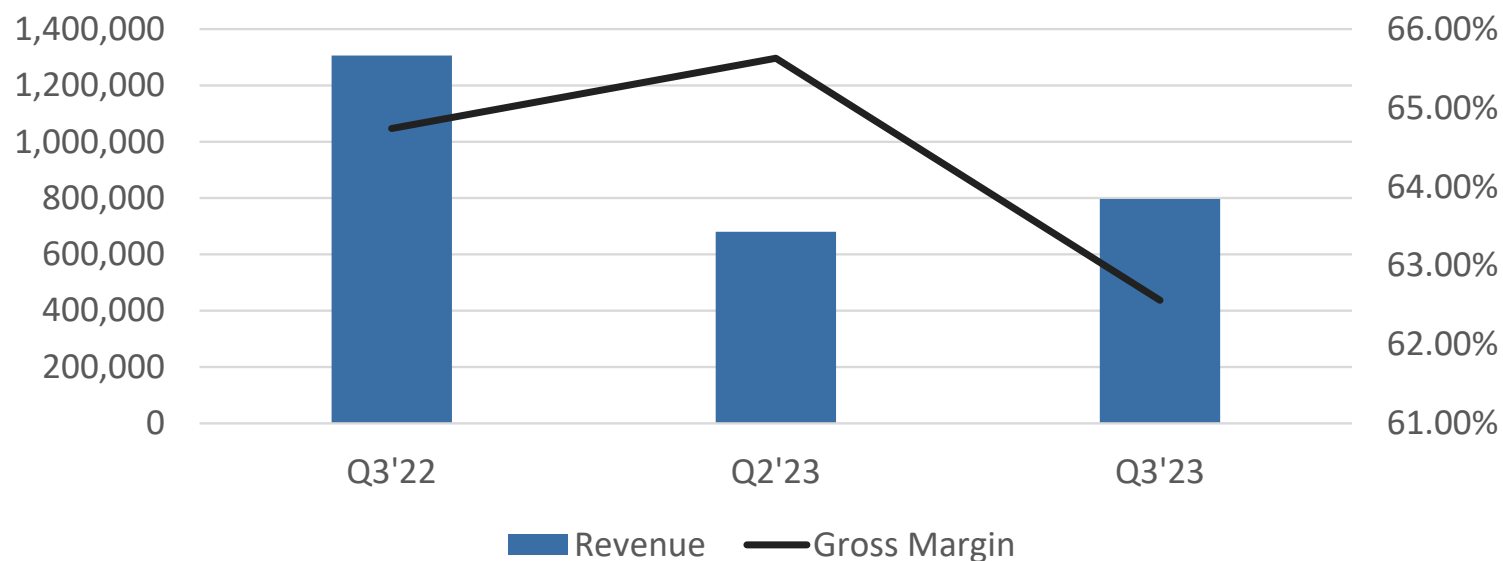
綜合損益表

Unit : NTD 1,000

	Q1'23		Q2'23		Q3'23		Q3'23	Q3'23
	NTD	%	NTD	%	NTD	%	over Q2'23	over Q3'22
Operating Revenue	669,396	100.00%	680,039	100.00%	796,713	100.00%	17.16%	-39.02%
Gross Profit	429,994	64.24%	446,316	65.63%	498,395	62.56%	11.67%	-41.08%
Operating Expenses	220,549	32.95%	231,377	34.02%	235,186	29.52%	1.65%	-7.14%
Operating profit	209,445	31.29%	214,939	31.61%	263,209	33.04%	22.46%	-55.58%
Non-operating income and expenses	20,004	2.99%	68,374	10.05%	76,338	9.58%	11.65%	-50.28%
Pre-Tax Profit	229,449	34.28%	283,313	41.66%	339,547	42.62%	19.85%	-54.49%
Net Income	186,309	27.83%	240,352	35.34%	270,455	33.95%	12.52%	-54.80%
EPS (Basic)	4.93	-	6.37	-	7.16	-	12.40%	-54.77%

合併營業收入

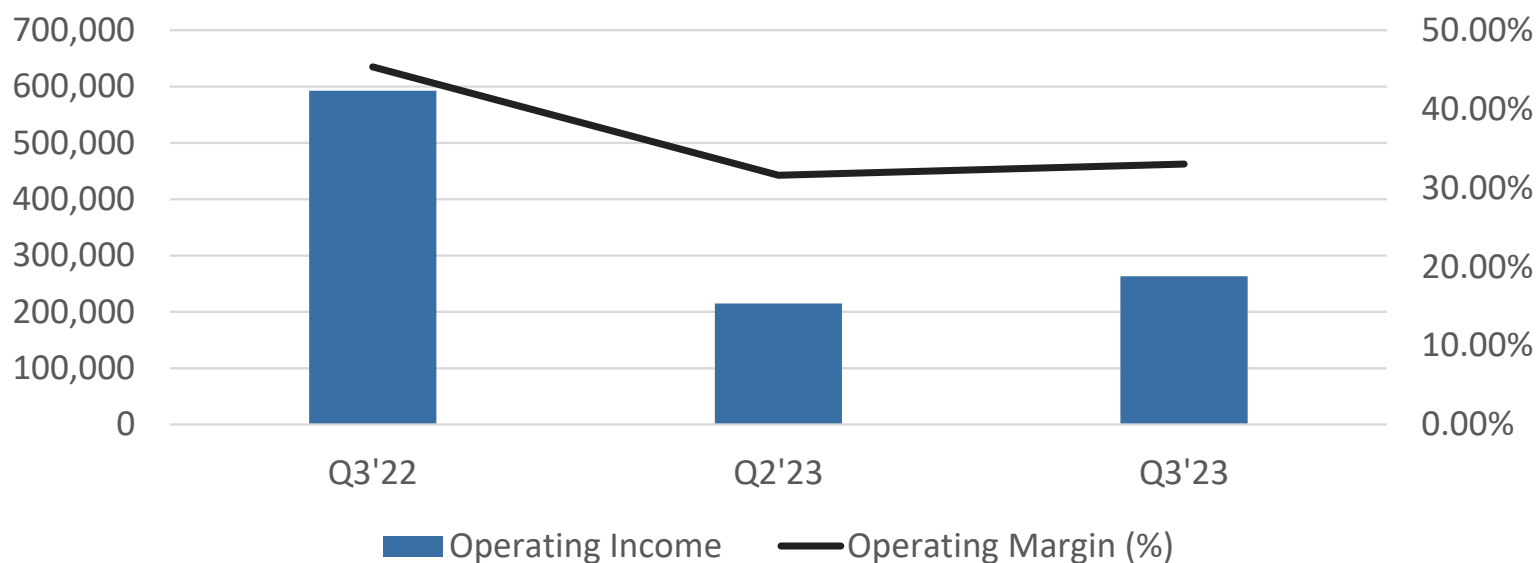
Unit : NTD 1,000



Quarterly	Q3'22	Q2'23	Q3'23	QoQ	YoY
Revenue	1,306,580	680,039	796,713	17.16%	-39.02%
Gross Margin	64.74%	65.63%	62.56%	-4.68%	-3.37%

合併營業利益

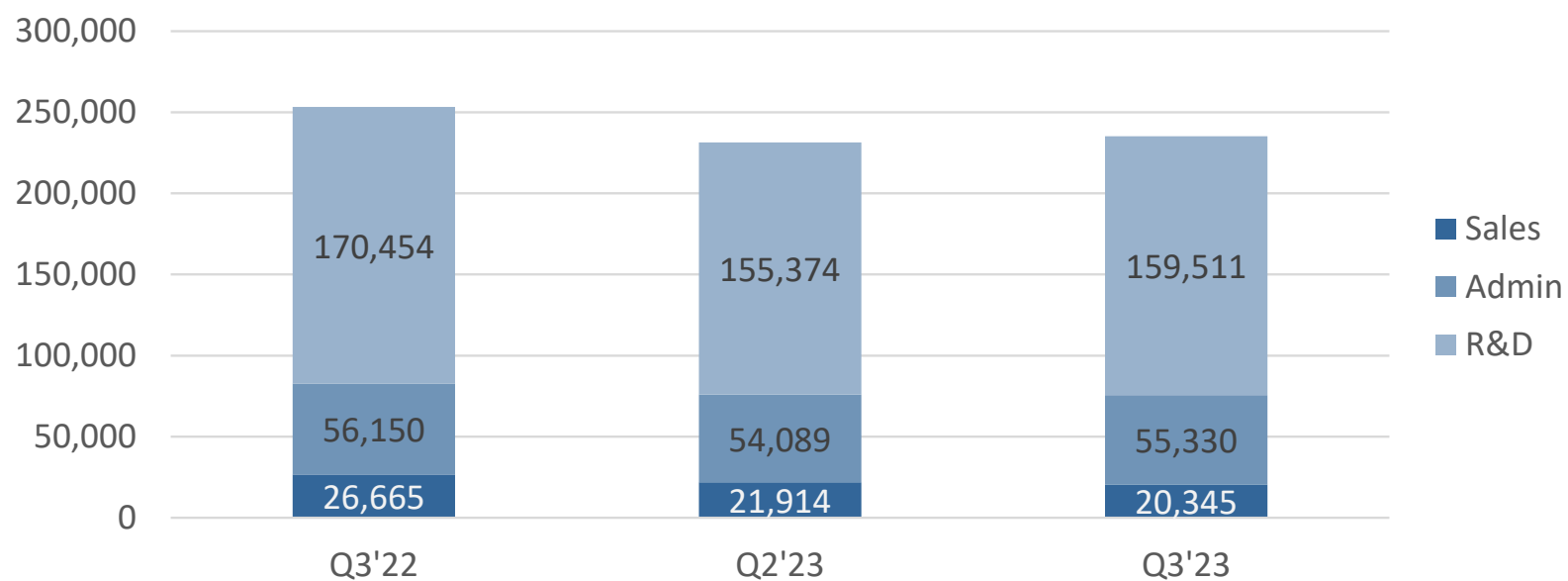
Unit : NTD 1,000



Quarterly	Q3'22	Q2'23	Q3'23	QoQ	YoY
Operating Income	592,568	214,939	263,209	22.46%	-55.58%
Operating Margin	45.35%	31.61%	33.04%	4.52%	-27.16%

合併營業費用

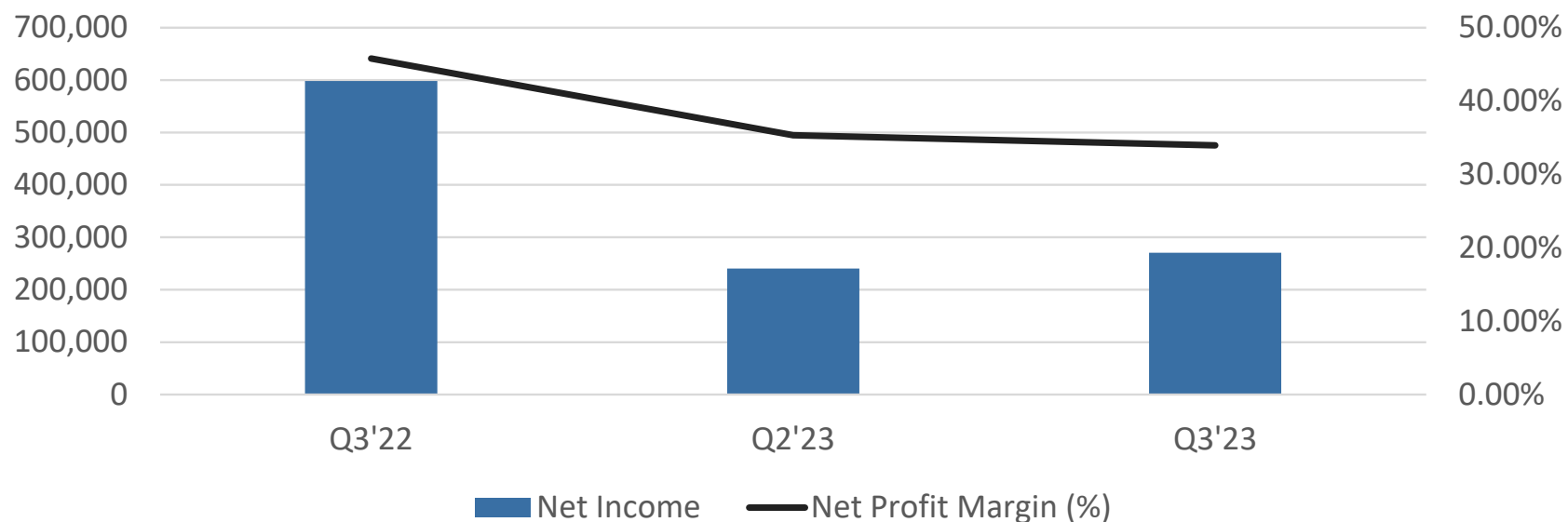
Unit : NTD 1,000



Quarterly	Q3'22	Q2'23	Q3'23	QoQ	YoY
Operating Expenses	253,269	231,377	235,186	1.65%	-7.14%

合併淨利

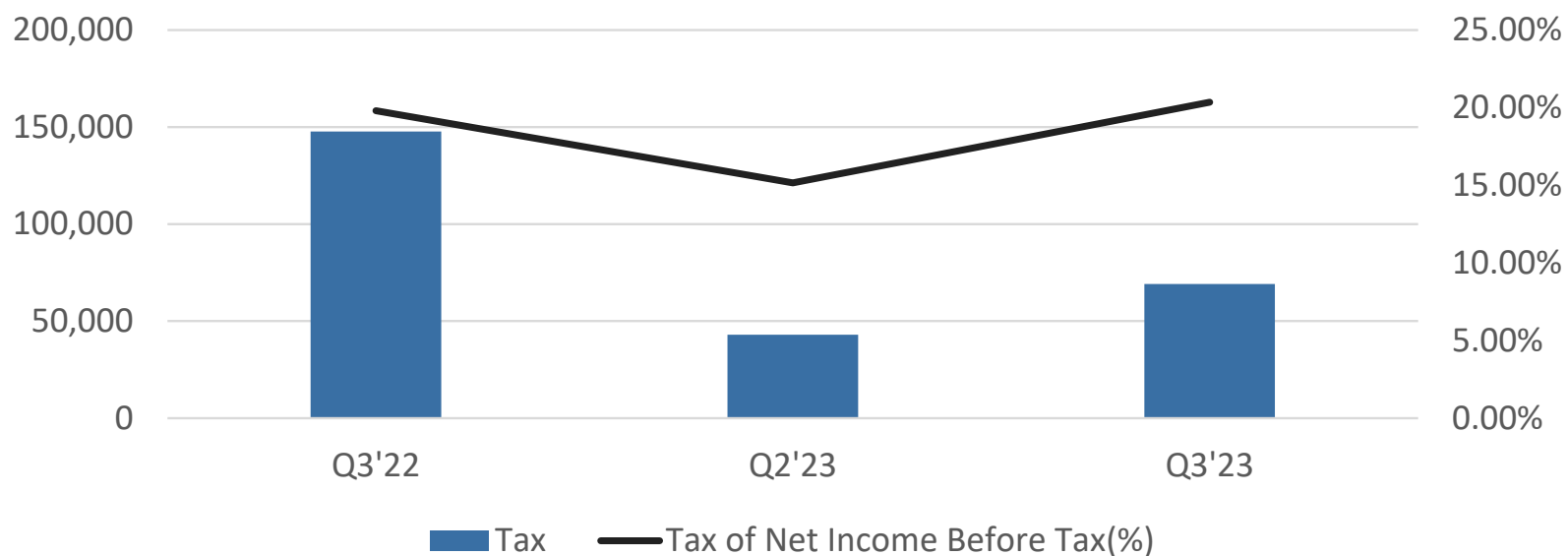
Unit : NTD 1,000



Quarterly	Q3'22	Q2'23	Q3'23	QoQ	YoY
Net Income	598,343	240,352	270,455	12.52%	-54.80%
Net Profit Margin	45.79%	35.34%	33.95%	-3.95%	-25.87%

合併所得稅

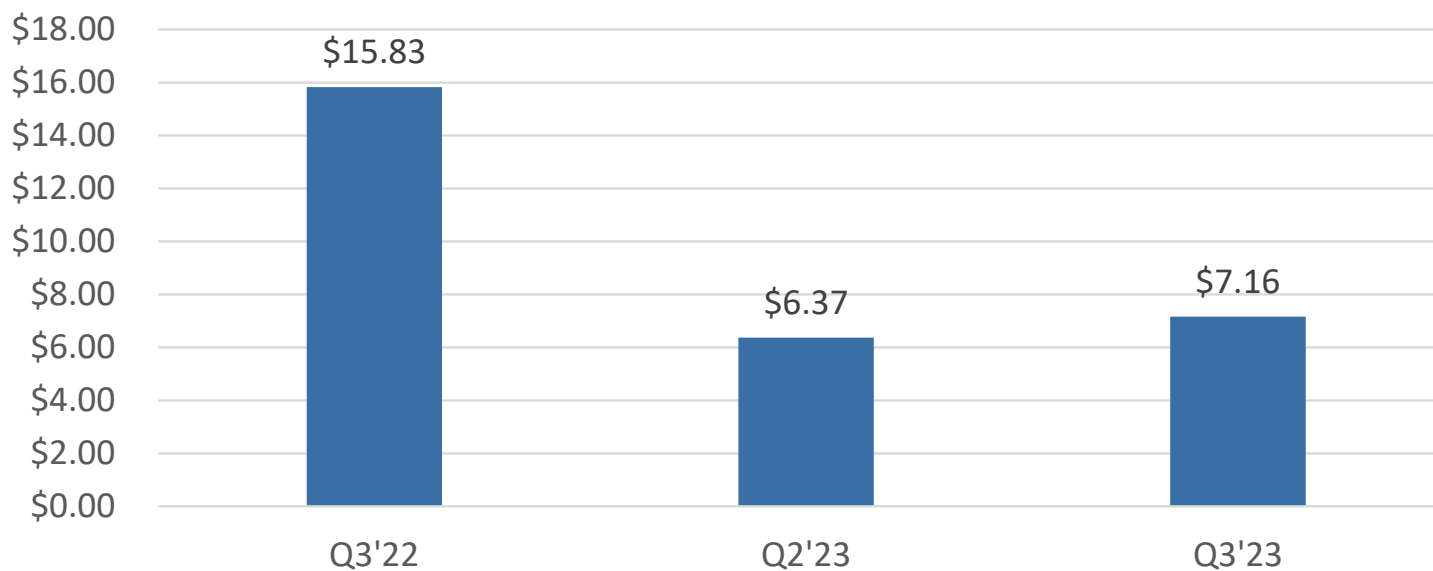
Unit : NTD 1,000



Quarterly	Q3'22	Q2'23	Q3'23	QoQ	YoY
Tax	147,770	42,961	69,092	60.82%	-53.24%
Tax of Net Income Before Tax	19.81%	15.16%	20.35%	34.19%	2.74%

每股盈餘

Unit : NTD



Quarterly	Q3'22	Q2'23	Q3'23	QoQ	YoY
EPS	15.83	6.37	7.16	12.40%	-54.77%

ASPEED



永續發展策略 與ESG成果

永續發展策略



Strengthen corporate governance and resilience

- Strengthening risk management strategies
- Building a complete corporate sustainable governance framework and system



Focus on green energy-saving core technologies

- Regularly performing GHG and passing third-party verification
- Power saving and carbon reduction, formulating carbon reduction targets and actions
- Strengthening core R&D and improving power consumption by chips



Build a talented sustainable technology workforce in Taiwan

- Developing core values of sustainability and promoting ESG for all employees
- Strengthening the cultivation of talents and seeking to advance women in technology industry

2022年ESG成果



- Revenue and profit grew by **43.23%** and **60.38%** respectively, reaching a record high for **18** consecutive years
- Obtained **58** global patents
- Customer satisfaction rate reached **94.74%**



- Officially signed as a **TCFD supporter** in response to the TCFD initiative
- Received **ISO14064-1: 2018 GHG inventory certification**
- In response to the SBTi SME Route, set net-zero targets and paths
- BMC AST2600 saved over **61%** of energy



- Ranked **1st** in median remuneration of non-executive directors among the TWSE/TPEX listed companies
- Employee benefits welfare of NTD **522 million**, annual increase of 51.74%
- Social donation reached NTD **13.8 million**



2022永續報告書及ESG摘要

Sustainability Report



[中文](#) [English](#)

ESG Summary



[English](#)

The ASPEED logo is centered on a dark blue background. It features the word "ASPEED" in a white, italicized, sans-serif font. The letter "A" is stylized with a horizontal line through its center. To the right of the text, there is a graphic element consisting of several overlapping parallelograms in shades of red and maroon, creating a sense of motion or speed.

ASPEED