







SUNPLUS

3Q 2024 Investor Conference

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Make difference

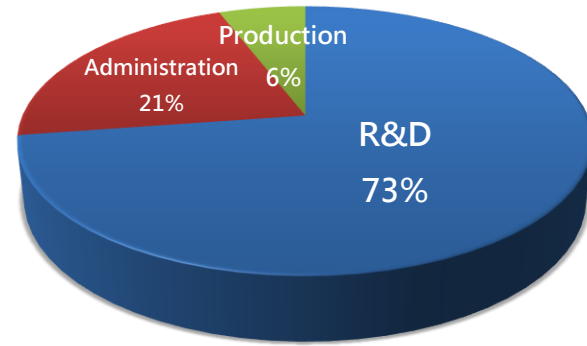
Sunplus Affiliates

	Profession	Shareholding	Stock code
 SUNPLUS	Sunplus Technology Co., Ltd. (592m shares) Automotive, Audio IC & IP Design	100%	TWSE#2401
	Generalplus Technology Co., Ltd. (109m shares) Speech/Music, LCD, Digital Video & Image SoC Turnkey Solutions, Micro-Controllers	48%	TWSE#4952
	Sunplus Innovation Technology Inc. (58m shares) UVC & HID Control IC	57%	TWSE#5236
	Jumplux Technology Inc. (24m shares) Automotive MCU & USB Storage ASIC	100%	

* Based on 2024/9/30 Consolidated-holding by Sunplus

Human Resources

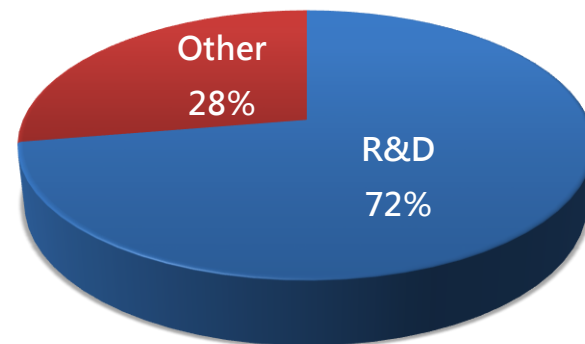
Global Employees



Global Employees/ R&D
1,046 / 760

42% Master above

Sunplus HR



Sunplus HR/ R&D
322 / 233

65% Master above

* Data by 2024/9/30

Q1~3 Consolidated Results

(NT\$ million)	2024 Q1~3		2023 Q1~3		YoY
Net Sales	4,921	100%	4,157	100%	18%
COGS	2,519	51%	2,213	53%	14%
Gross Margin	2,402	49%	1,944	47%	24%
R&D Expenses	1,536	31%	1,561	38%	(2%)
SG&A Expenses	649	13%	525	13%	24%
Operating Net Profit (Loss)	218	4%	(142)	(3%)	(253%)
Non-Op. Gain (Loss)	417	8%	219	5%	91%
Net Income (Loss)	527	11%	(17)	(0%)	(3219%)
Other Comprehensive Income	38	1%	58	1%	(34%)
Total Comprehensive Income	565	11%	41	1%	1266%
Net Profit Attributable To					
Shareholders of the parent	243	5%	(228)	(5%)	(207%)
Non-controlling interests	283	6%	211	5%	34%
EPS (NT\$)	0.41		(0.39)		

** EPS based on outstanding 591,994,919 shares on 2024/09/30

Q3 Consolidated Results

(NT\$ million)	2024 3Q		2024 2Q		QoQ	2023 3Q		YoY
Net Sales	1,787	100%	1,788	100%	(0%)	1,546	100%	16%
COGS	912	51%	919	51%	(1%)	835	54%	9%
Gross Margin	874	49%	869	49%	1%	710	46%	23%
R&D Expenses	540	30%	509	28%	6%	545	35%	(1%)
SG&A Expenses	198	11%	282	16%	(30%)	177	11%	12%
Operating Net Profit (Loss)	136	8%	78	4%	74%	(12)	(1%)	(1246%)
Non-Op. Gain (Loss)	24	1%	37	2%	(35%)	100	6%	(76%)
Net Income (Loss)	102	6%	112	6%	(9%)	34	2%	201%
Other Comprehensive Income	3	0%	55	3%	(95%)	61	4%	(95%)
Total Comprehensive Income	105	6%	167	9%	(37%)	95	6%	10%
Net Profit Attributable To								
Shareholders of the parent	9	1%	3	0%	232%	(53)	(3%)	(117%)
Non-controlling interests	93	5%	110	6%	(15%)	87	6%	7%
EPS (NT\$)	0.02		0.01			(0.09)		

** EPS based on outstanding 591,994,919 shares on 2024/09/30

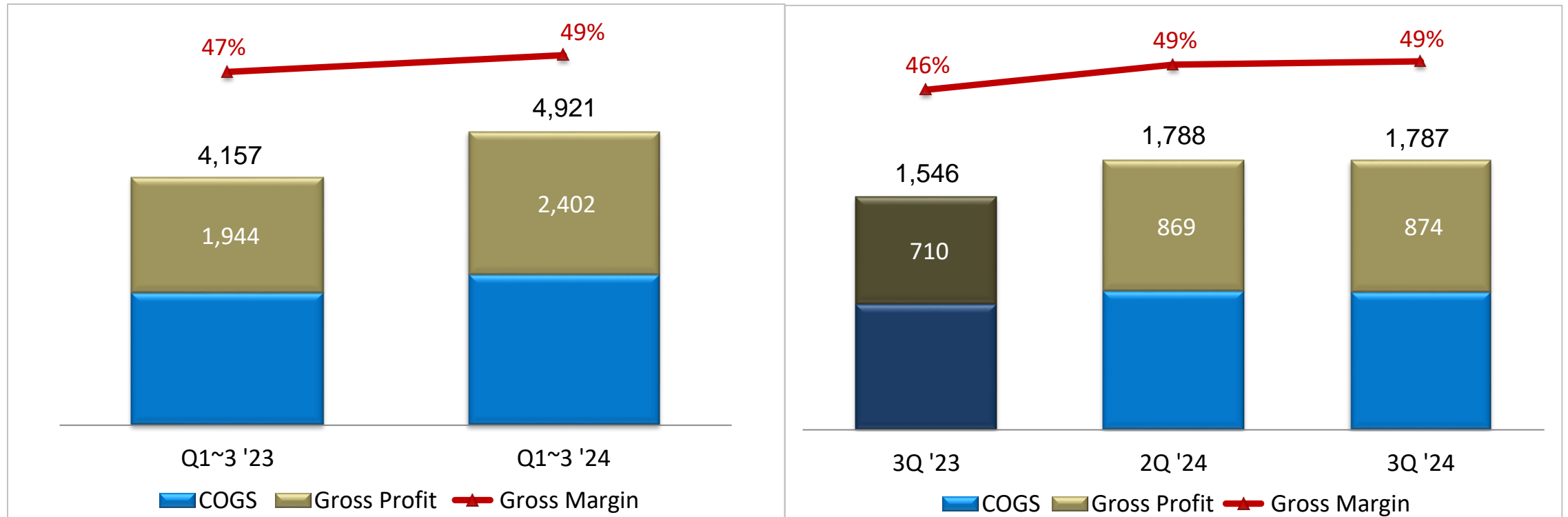
Consolidated Net Sales & Gross Profit

NT\$ million

← GP YoY: +24% →

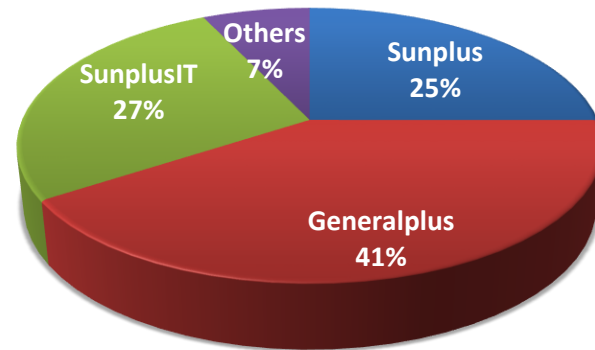
← GP YoY: +23% →

← GP QoQ: +1% →

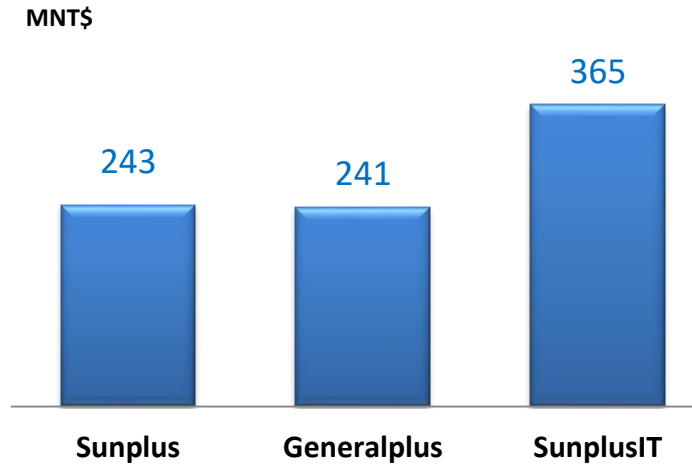


Affiliates' Contribution

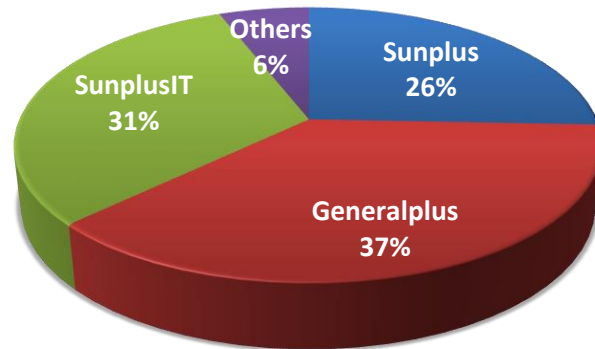
Q1~3 '24 Net Sales : 4,921 MNT\$



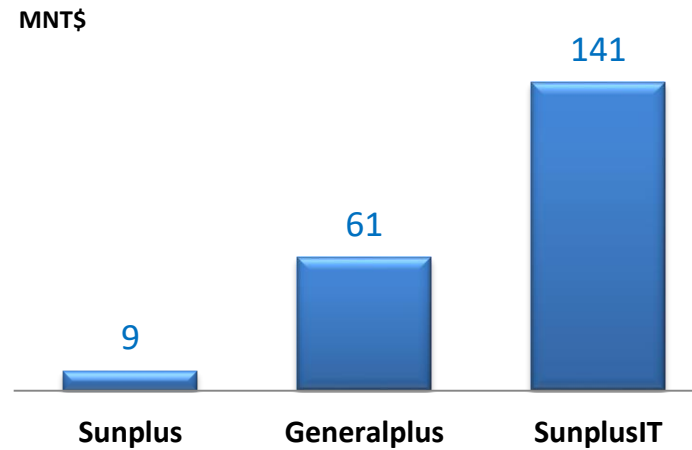
Q1~3 '24 Net Income



3Q '24 Net Sales : 1,787 MNT\$



3Q '24 Net Income



Consolidated Balance Sheet

(NT\$ million)	<u>2024 3Q</u>	<u>2024 2Q</u>	<u>QoQ</u>	<u>2023 3Q</u>	<u>YoY</u>
Total Assets	14,507	14,776	(2%)	14,198	2%
Cash and Cash equivalents	4,651	4,753	(2%)	4,061	15%
Financial asset at fair value through profit or loss	999	1,326	(25%)	884	13%
Inventory	1,178	1,214	(3%)	1,607	(27%)
Equity Method Investments	760	779	(2%)	954	(20%)
Financial asset at fair value through profit or loss - non-current	1,587	1,638	(3%)	1,649	(4%)
<u>Total Liabilities</u>	<u>3,404</u>	<u>3,783</u>	<u>(10%)</u>	<u>3,224</u>	<u>6%</u>
S-T Bank Loans	235	197	19%	0	0%
Account Payable	447	596	(25%)	373	20%
Other current liabilities	832	1,119	(26%)	884	(6%)
<u>Shareholder Equity to parent</u>	<u>8,736</u>	<u>8,725</u>	<u>0%</u>	<u>8,715</u>	<u>0%</u>
<u>ROE%</u>	<u>4.74%</u>	<u>3.86%</u>		<u>(0.15%)</u>	
<u>Net Asset Value per Share (NT\$)</u>	<u>14.85</u>	<u>14.83</u>		<u>14.81</u>	

Cash Flows

(NT\$ million)	<u>2024 Q1~3</u>	<u>2023 Q1~3</u>	<u>YoY</u>
From Operation	315	796	(60%)
From Investment	253	(491)	(152%)
From Financing	(16)	(685)	(98%)
<u>Net Cash Flow in (out)</u>	<u>560</u>	<u>(366)</u>	<u>(253%)</u>
<u>Cash and Cash equivalents</u>	<u>4,651</u>	<u>4,061</u>	<u>15%</u>
Financial asset at fair value through profit or loss	999	884	13%
<u>Total Amount available for use</u>	<u>5,650</u>	<u>4,945</u>	<u>14%</u>

(NT\$ million)	<u>2024 3Q</u>	<u>2024 2Q</u>	<u>QoQ</u>	<u>2023 3Q</u>	<u>YoY</u>
From Operation	(166)	370	(145%)	529	(131%)
From Investment	243	(64)	(477%)	666	(64%)
From Financing	(165)	18	(1011%)	(1,040)	(84%)
<u>Net Cash Flow in (out)</u>	<u>(102)</u>	<u>330</u>	<u>(131%)</u>	<u>167</u>	<u>(161%)</u>
<u>Cash and Cash equivalents</u>	<u>4,651</u>	<u>4,753</u>	<u>(2%)</u>	<u>4,061</u>	<u>15%</u>
Financial asset at fair value through profit or loss	999	1,326	(25%)	884	13%
<u>Total Amount available for use</u>	<u>5,650</u>	<u>6,079</u>	<u>(7%)</u>	<u>4,945</u>	<u>14%</u>

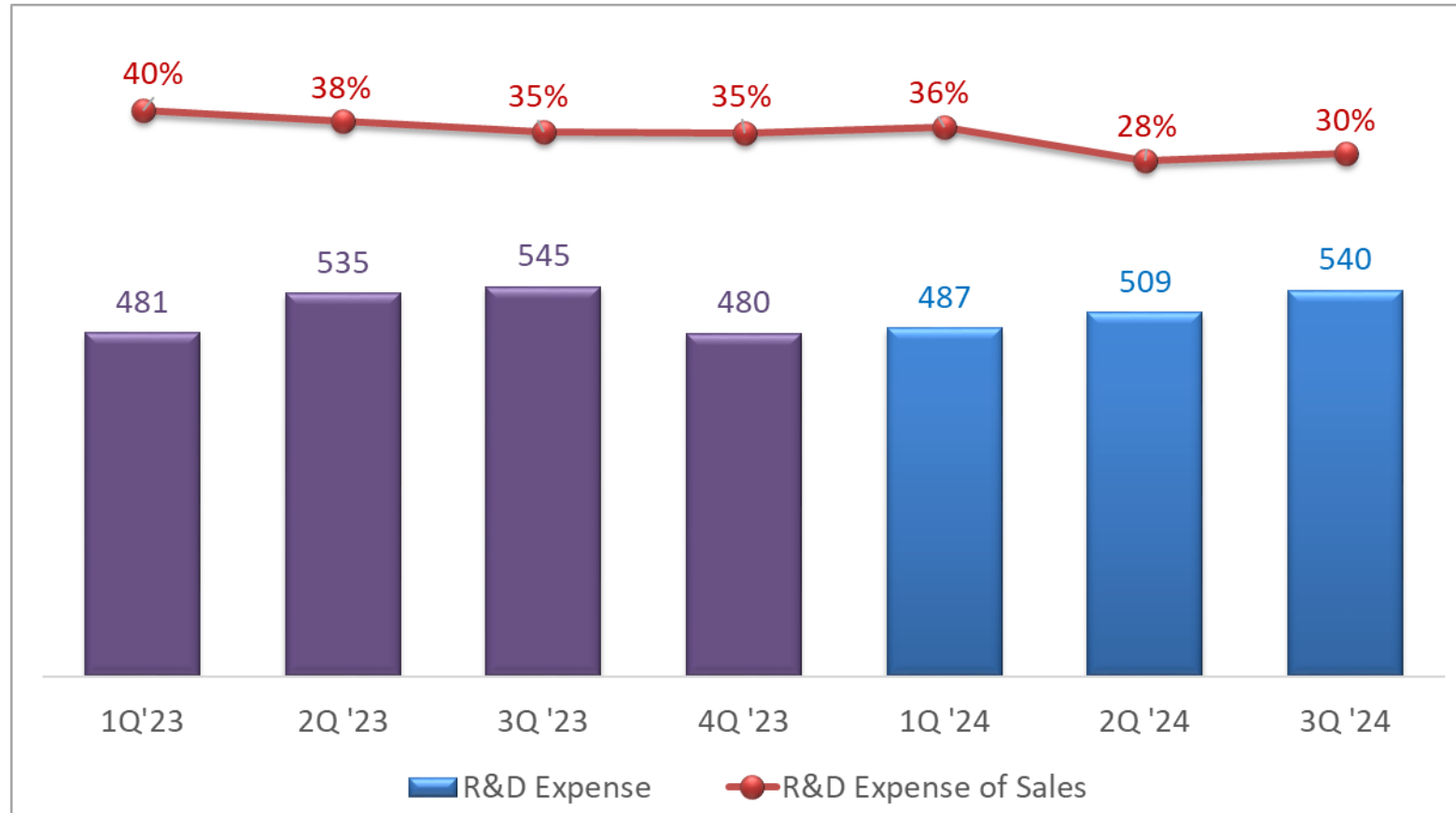
Non-Operating Gain

(NT\$ million)	<u>2024 Q1~3</u>	<u>2023 Q1~3</u>	<u>YoY</u>
Other Income	89	76	16%
Exchange Gain (Loss)	32	55	(42%)
Gains on Financial Assets (Liabilities) at Fair Value through Profit or Loss	(22)	87	(125%)
Investment Gain Recognized under Equity Method	(30)	(36)	(17%)
Disposal of investment interests under equity method	320	0	0%
<u>Non-Operating Gain</u>	<u>417</u>	<u>219</u>	<u>91%</u>

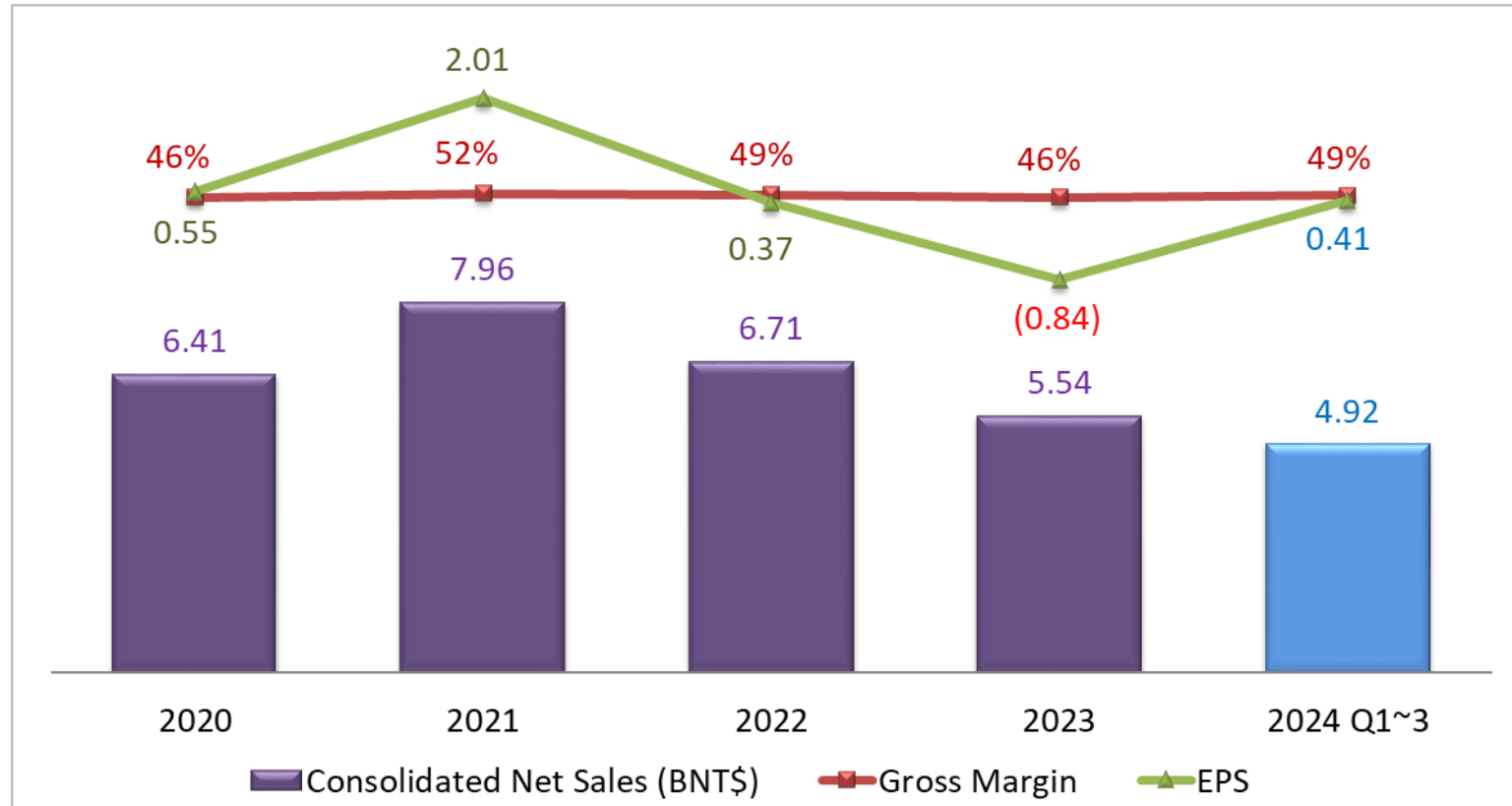
(NT\$ million)	<u>2024 3Q</u>	<u>2024 2Q</u>	<u>QoQ</u>	<u>2023 3Q</u>	<u>YoY</u>
Other Income	39	20	93%	45	(13%)
Exchange Gain (Loss)	(14)	13	(210%)	47	(129%)
Gains on Financial Assets (Liabilities) at Fair Value through Profit or Loss	(12)	1	(1558%)	(12)	2%
Investment Gain Recognized under Equity Method	(9)	(16)	(41%)	(4)	115%
Disposal of investment interests under equity method	10	9	12%	0	0%
<u>Non-Operating Gain</u>	<u>24</u>	<u>37</u>	<u>(35%)</u>	<u>100</u>	<u>(76%)</u>

R&D Expenses

NT\$ million



Financial Statement



Sunplus Products Profolio

Automotive

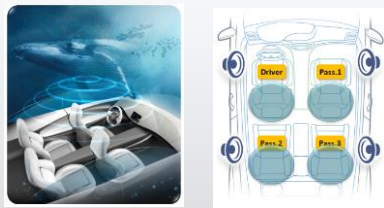
Cockpit Electronics



Automated Driving



In-cabin Acoustics



Audio

Speaker Out



Wireless Connection



Speech In



Plus 1

C1



C3



DVD



Automotive

Inside and Around the Cockpit



Cockpit Electronics

IVI
Display Audio
Cluster
HUD



Automated Driving

AVM
DMS/IMS
ADAS
E-Mirror
APA



In-cabin Acoustics

Spatial Sound
Auto-EQ
EC/NR
ITU-T Lab



Cockpit Electronics

Display Audio

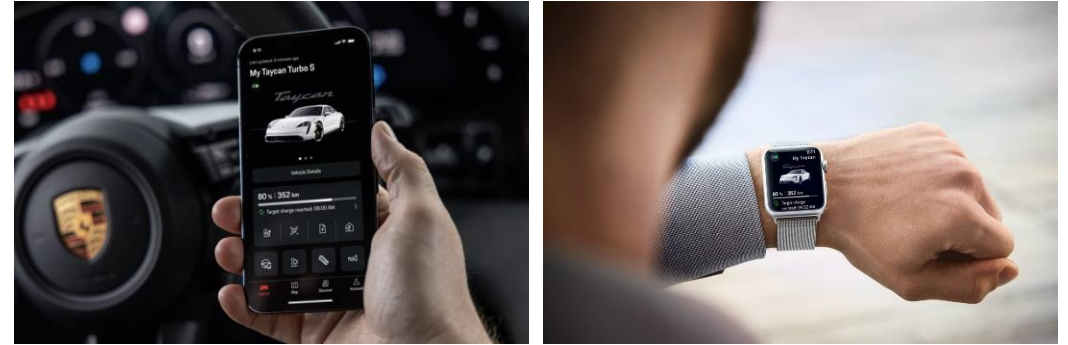
Connects Vehicle to Person (Personal Device)



Apple might keep on enhancing the in-car XP



Partnering with Automakers



Focus on Deeper Integration (with Car)

Expanding App Ecosystem

Focus on Customization

iCockpit Solution

• Cluster



• In-Vehicle-Infotainment

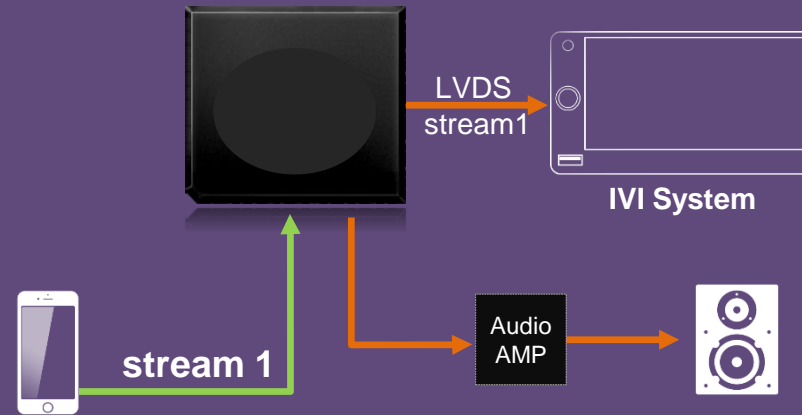


• AVM/ADAS



CarPlay Multi-Stream

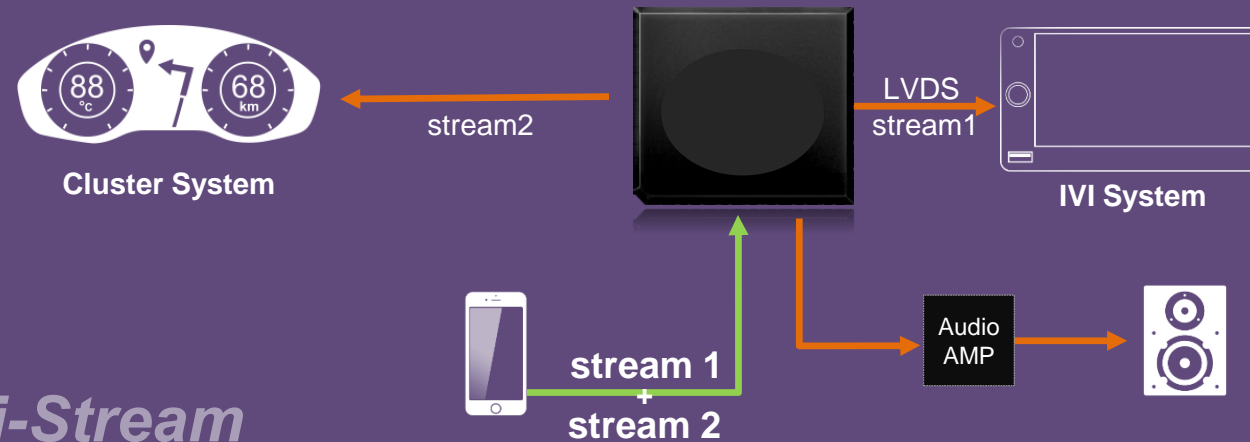
Classic CarPlay



■ Stream 1: CarPlay Functions

- Navigation, Music, Telephony, and Siri, etc.

CarPlay Multi-Stream



CarPlay Multi-Stream

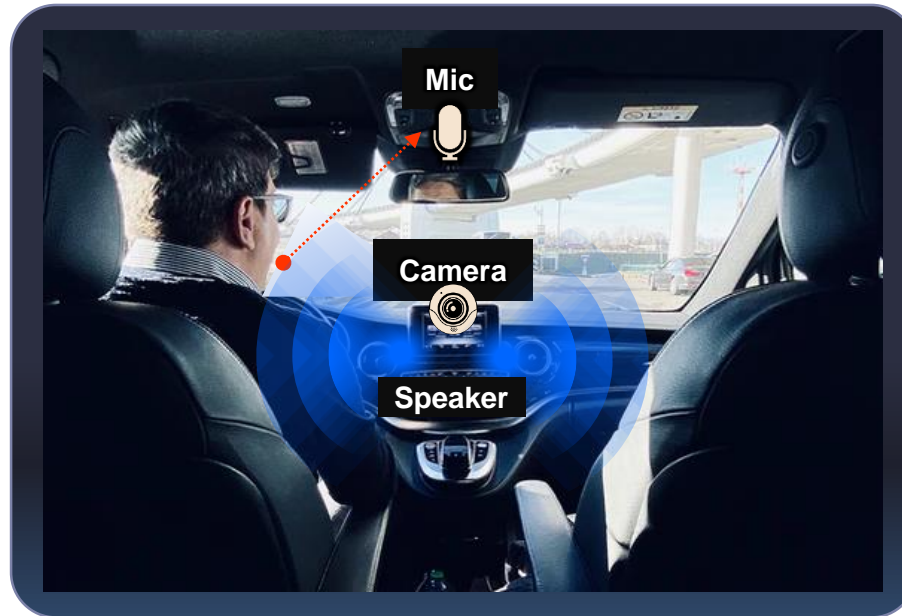
■ Stream 2: Alternative Functions

- Navigation, Sound Effect Spectrum, or Album Info
- To Cluster or HUD

iCockpit: IVI+Cluster



iCockpit : IVI+ADAS



Driver ID.



Face
Detection

Face
Recognition

Voice
Recognition



Driver Monitor System
(DMS)



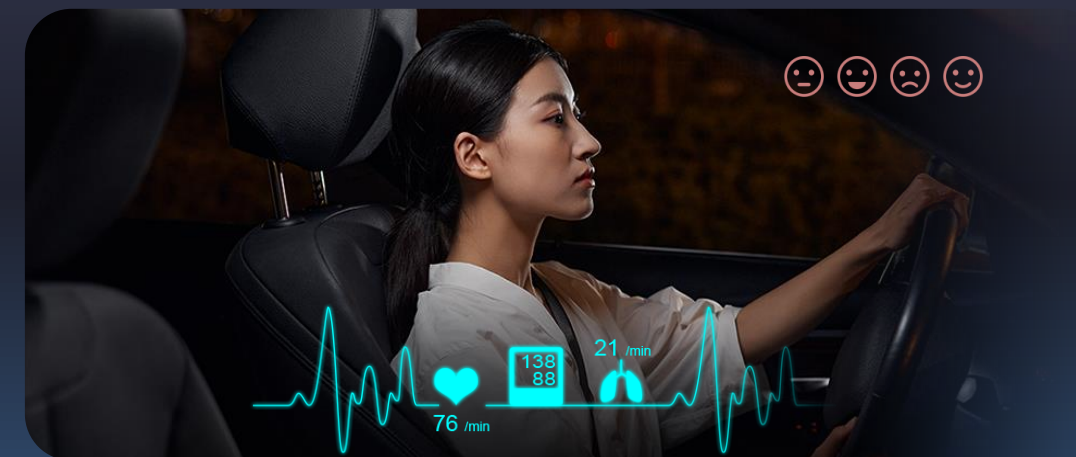
Face
Detection

Driver Distraction / Fatigue
Detection

Voice
Assistant



Driver Monitoring System – Vision-based



Motorcycle Cluster Market

- Scooter cluster supports smart phone link and mirroring
- Large displacement motorcycle supports CarPlay & Android Auto



Phone link
&
Mirroring



CarPlay
&
Android Auto



Motocycle Cluster solution

- UI Layout (cluster, navigation, turn-by-turn, cluster + navigation)



Works with
Apple CarPlay



androidauto



Motocycle Cluster solution

- Wireless Connection by WiFi and Bluetooth_1 Module
- Support Helmet 1 & Helmet 2 by Bluetooth_2 Module



Automated Driving

ADAS Applications

AVM



AR HUD



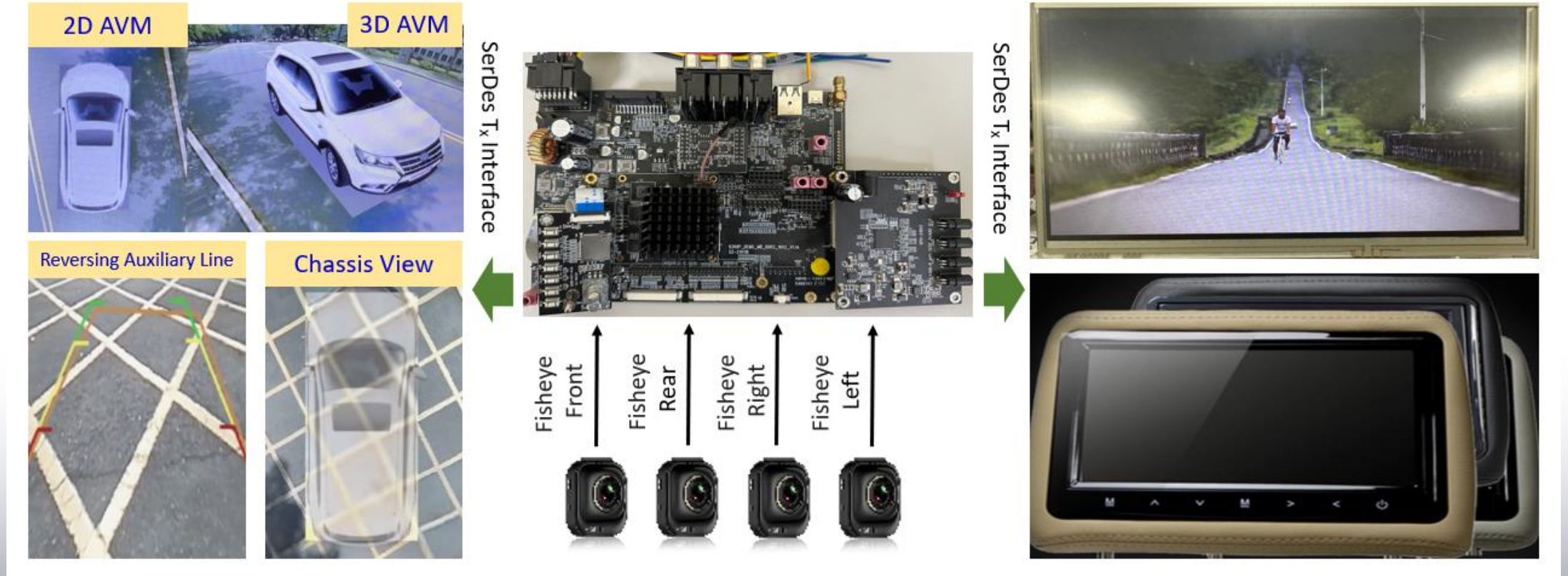
APA



E-Mirror/CMS/DMS



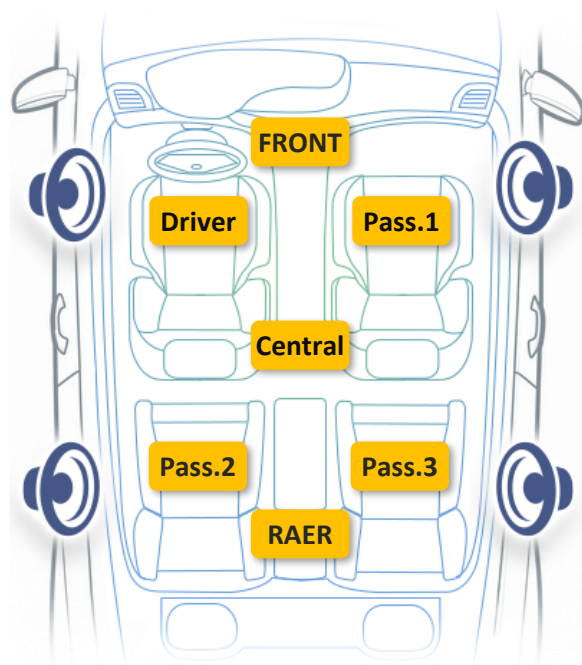
AVM



Immersive Sound

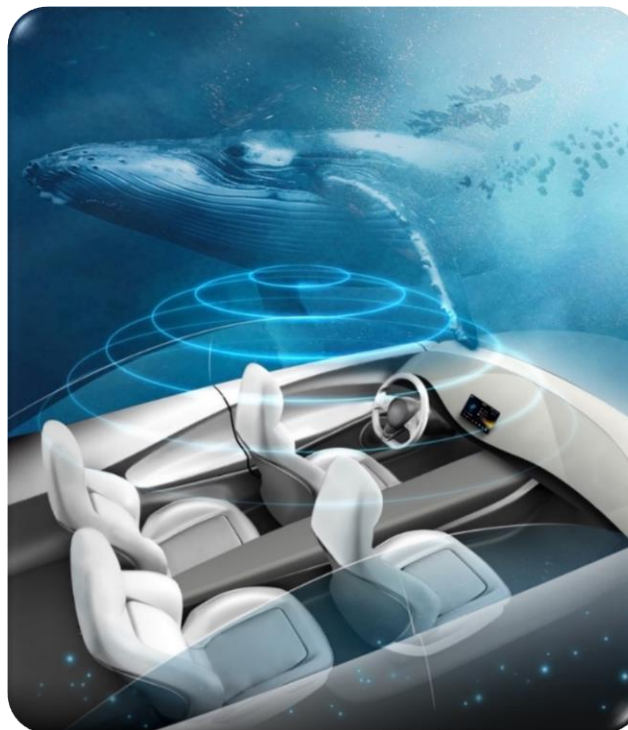
Joy – In-cabin Acoustics

Sound Field with IMS



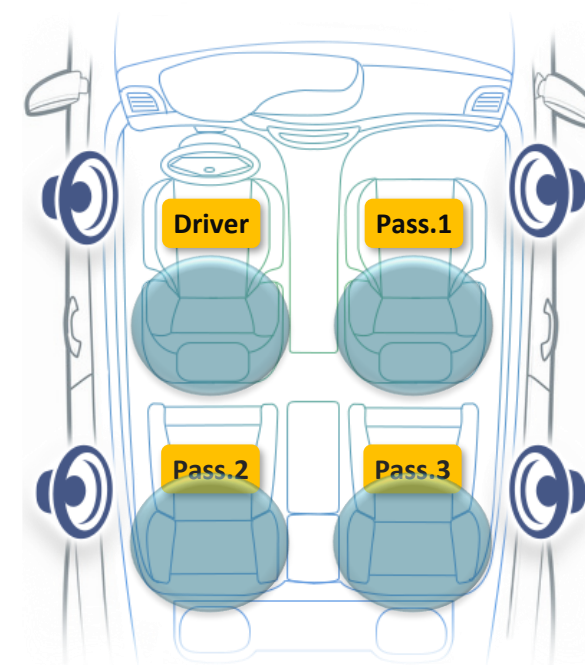
The IMS sees the occupants and feeds the info to IVI for optimal sound field settings.

Immersive Sound



Bringing the 3D surround technology, such as Dolby Atmos™, or Sunplus Spatial Sound to the cabin.

Sound Bubble (w/ ANC)

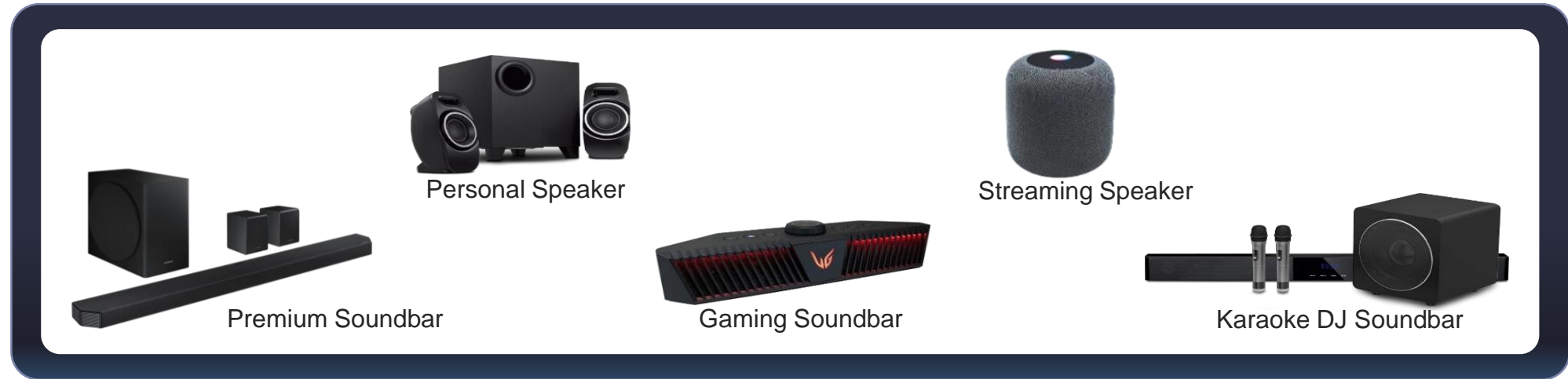


Giving every occupants a quiet zone, or independent listening zone.

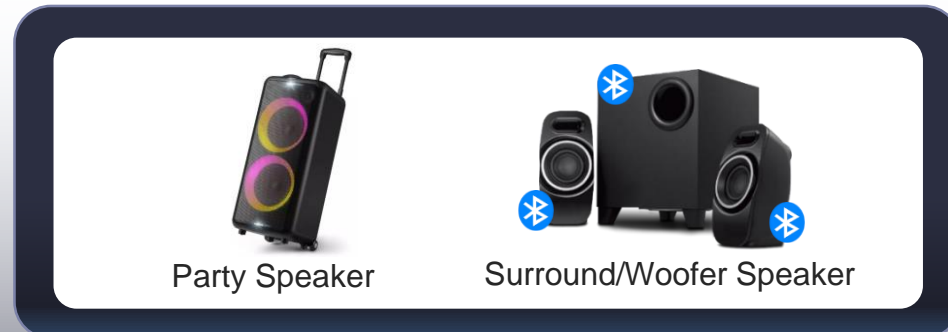
Audio

Audio Solutions

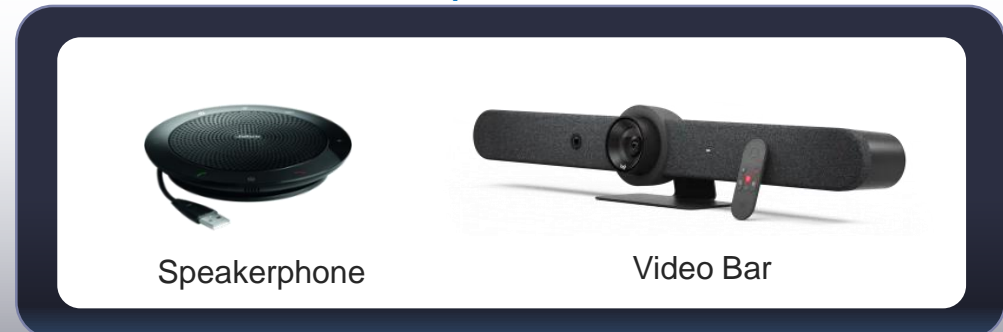
Speaker Out



Wireless Connection



Speech In



Soundbar - Bridging the gap of Flat-panel HDTV & Home Theater



Best Cost-Performance Soundbar Solution

3D Sound Effects

- Dolby ATMOS v1.8
- DTS: X, IMAX enhanced
- MPEG-H
- Sunplus Spatial Sound

AI Sound Classifier

- Advanced AI algorithms accurately classify media content

Room Correction

- Optimize the acoustics of Main Bar, Subwoofer for room

Bluetooth v5.3

- LE Audio, LC3/LC3plus Codecs
- Multi-stream, Broadcast

Audio Streaming

- + External DTS Play-Fi Module
- + WiFi Module (Airplay-2, Alexa, etc.)

Sound Tuning Tool

- Powerful GUI tuning tool supports arbitrary sound adjustment

3rd-party Algorithm

- Capable of compatible to customer legacy sound algorithm



Soundbar with surround



Bluetooth Connection -from close to open



Dolby plans to create a **proprietary DAFC profile** in BLE for "Open" DAFC

Prerequisites

- High Data Throughput Profile (HDT, min 6M PHY)
With reduced Inter Frame Spacing (from 150us to 50us) for Broadcast
- Surround Sound Audio Profile (SSAP)

Expect both to be standardized in 2026 in the BT SIG.

First devices expected in 2027.

Dolby plans to work with partners on PoCs in 2025 and 2026 to (1) support HDT and SSAP standardization and (2) create the DAFC profile.

Target Market

Innovative Bluetooth Audio ecosystem is creating



Party Speaker



Gaming / PC Soundbar



天籟
airlyra

S+ Spatial Sound 3D
Gaming/PC Soundbar

Conference Speaker

Conference Speaker

SPA101
Acoustic Echo Cancellation
Noise Reduction

Noise Reduction Acoustic Echo Cancellation

airlyra

Demo Video

Video Bar

VideoBar SPA100P
S+ Audio Barrier
S+ AI ClearVoice

Audio Barrier

Audio Barrier

S+ AI ClearVoice

S+ AI ClearVoice

S+ Audio Barrier

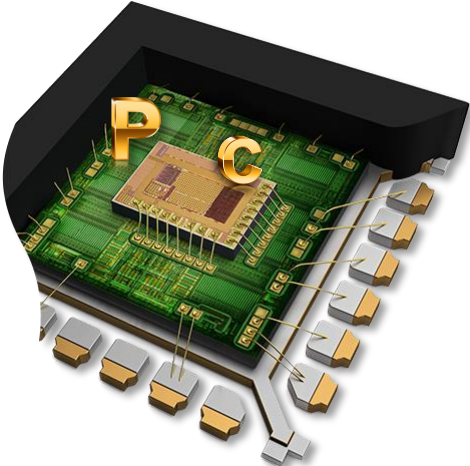
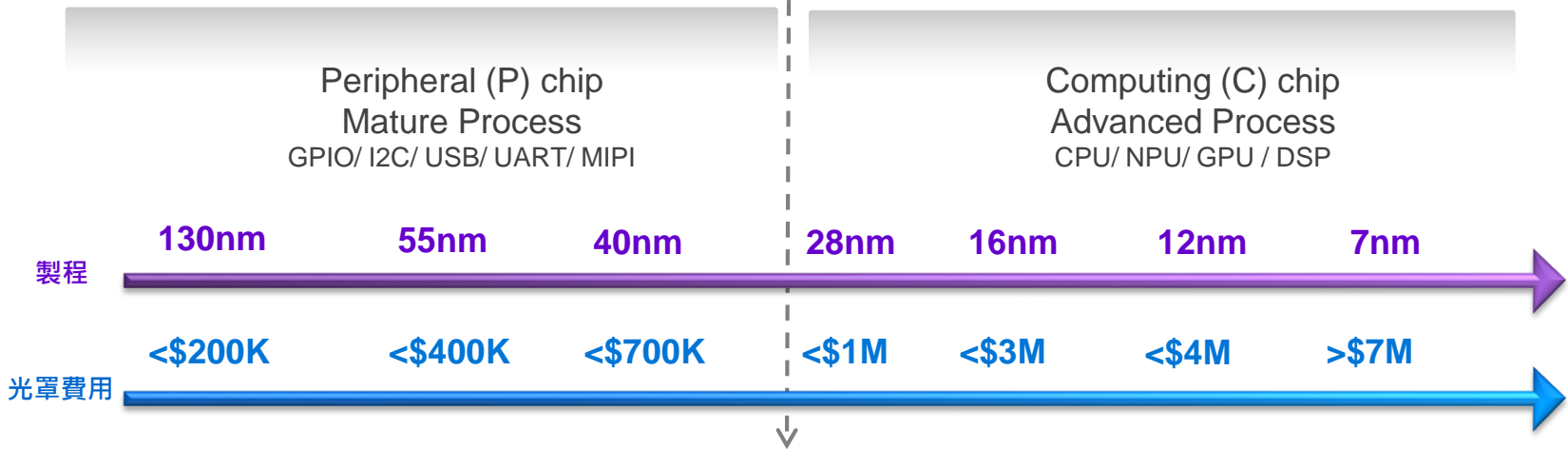
airlyra

Demo Video

Plus 1

Plus1 : Share Intelligent Computing Chiplet Architecture

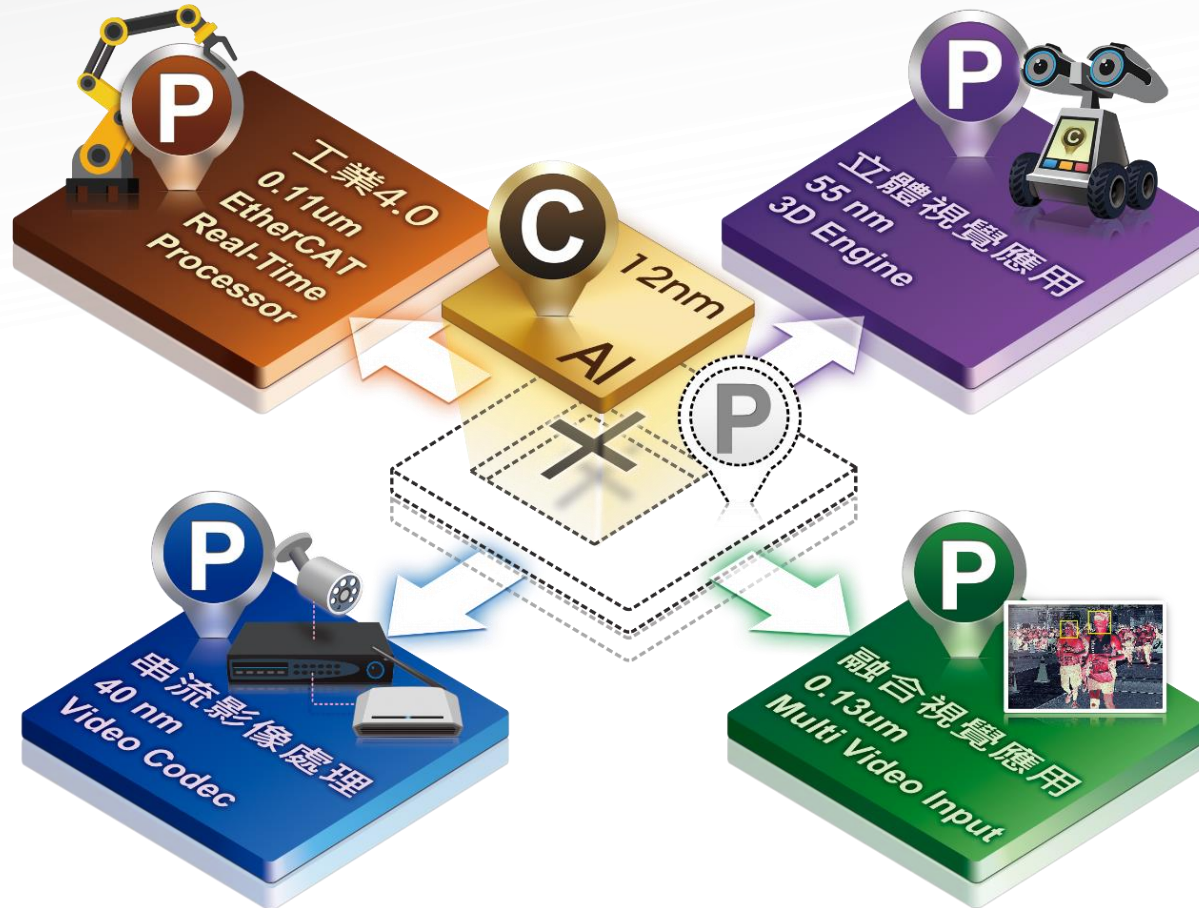
high-performance computing combined with dedicated peripherals AI-on-Chip solution



C1 – IOT LINUX CHIP



+ AI on Chip EVERY



C3V Application : Robot Market

Smart Robot everywhere in the world

■ Applications

- Robot vacuums
- Automatic lawn mower
- Long Term Care Monitoring System
- Camera Drone
- Video Conference
- Autonomous Robot
- DMS



C5 Application : Robot Market

Smart Robot everywhere in the world

■ Applications

- Robot vacuums
- Automatic lawn mower
- Long Term Care Monitoring System_ Interactive long-term care alert, wake-up, and emergency call system
- Camera Drone_ Multi-image integrated recognition
- Video Conference_ Meeting transcription and real-time translation
- Autonomous Robot_ Voice control and conversational companionship
- DMS_ Voice interaction and assistance reminders



SUNPLUS



Make difference