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Q4'21 Financial Results Summary

Amount in Million NT\$, except for EPS & BVPS	Q4'21 (Unaudited)		Q3'21		QoQ Q4		'20	YoY
Net Sales	21,399	100%	23,837	100%	-10.2%	14,773	100%	44.8%
Gross Profit (Loss) Gross Margin(%)	10,563	49.4%	11,735	49.2%	-10.0%	3,251	22.0%	224.9%
Operating Income (Loss) Operating Margin(%)	8,023	37.5%	9,073	38.1%	-11.6%	1,304	8.8%	515.5%
EBITDA* EBITDA Margin (%)	11,850	55.4%	12,966	54.4%	-8.6%	4,937	33.4%	140.0%
Non-operating Income (Expense)	99	0.5%	316	1.3%		-167	-1.1%	
Income Tax Benefit (Expense)	-1,672	-7.8%	-1,862	-7.8%		-213	-1.4%	
Net Income (Loss) Net Margin (%)	6,450	30.1%	7,527	31.6%	-14.3%	924	6.3%	598.0%
Earnings Per Share (NT\$)	2.08**		2.44			0.30		
Book Value Per Share (NT\$)	55.85***		53.87			50.02		

Remark: * EBITDA = Operating income + Depreciation & Amortization Expenses

** EPS is based on weighted average outstanding shares of 3,095M

^{***} BVPS is calculated based on 3,097M outstanding shares

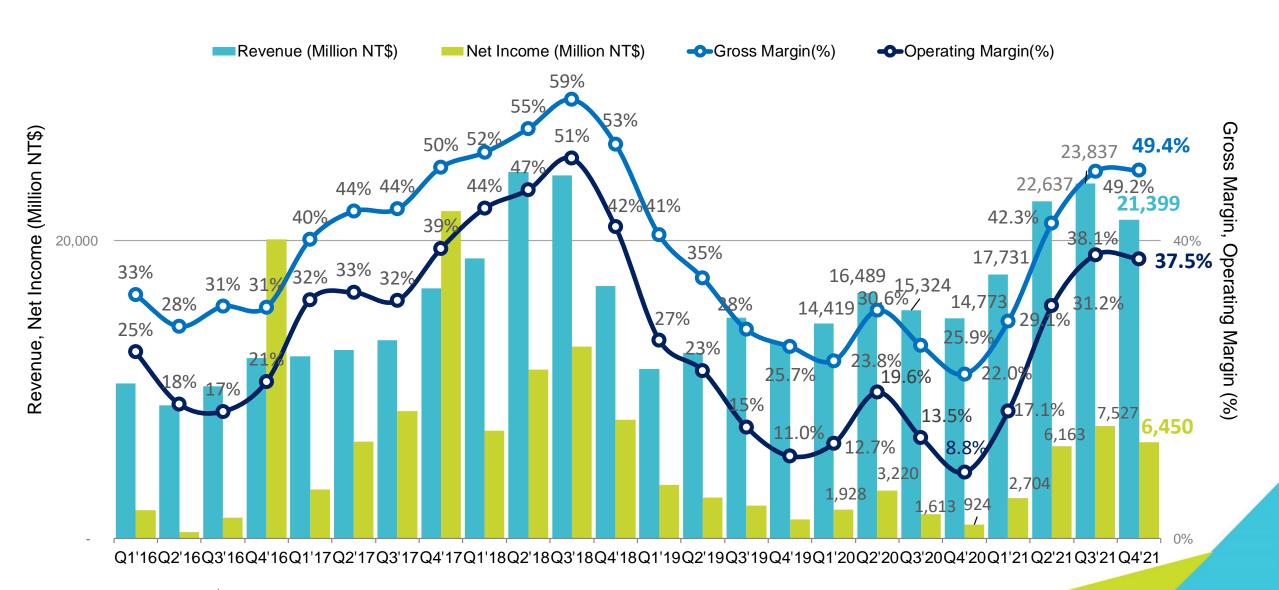


Q4'21 vs. Q3'21 Results Comparison

Amount in Million NT\$	Q4' (Unau		Q3'21		QoQ (PPT* Delta)	Remarks
Net Sales	21,399		23,837		-10.2%	Bit shipment decreased mid-single digits%ASP decreased low-single digits%
Gross Profit (Loss) Gross Margin(%)	10,563	49.4%	11,735	49.2%	+0.2%	 Q4'21 Gross profit decreased NT\$ 1,172M, mainly due to ASP and shipment decrease
Operating Expense	2,540	11.9%	2,662	11.2%	+0.7%	SG&A and R&D expenses decreased NT\$ 122M
Operating Income (Loss) Operating Margin(%)	8,023	37.5%	9,073	38.1%	-0.6%	■ Q4'21 OP income decreased NT\$ 1,050M
Net Income (Loss) Net Margin (%)	6,450	30.1%	7,527	31.6%	-1.5%	 Net Income decreased NT\$ 1,077M OP Income decrease of NT\$ 1,050M FX impact: NT\$ 193M unfavorable (Q4'21: NT\$ -92M; Q3'21: NT\$ 101M) Income tax: NT\$ 190M favorable



Quarterly Financial Highlights



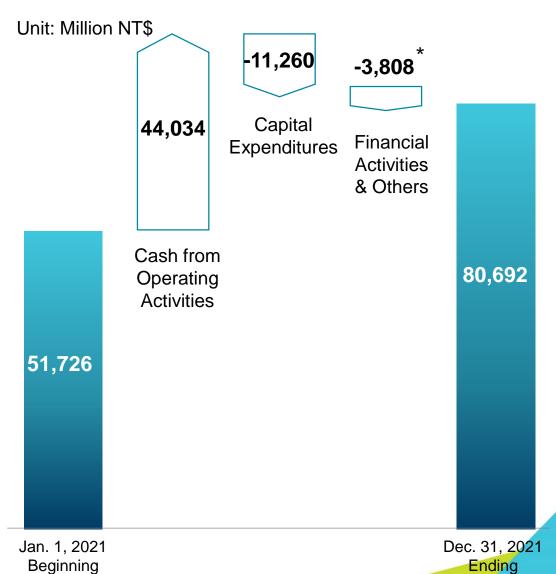


Cash Flows

Unit: Million NT\$	Q4'21 (Unaudited)	Q3'21
Beginning Balance	71,558	67,738
Cash from Operating Activities	13,899	11,041
Capital Expenditures	-4,741	-3,801
Financial Activities & Others	-24	-3,420*
Ending Balance	80,692	71,558
Free Cash Flow (1)	9,157	7,240

⁽¹⁾ Free Cash Flow = Cash from operating activities – Capital expenditures

2021 Cash Flow



Balance

Balance

^{* 1. -} NT\$ 4.0 billion of dividend payout

^{2. +}NT\$ 320 million proceeds from treasury stocks



2021 Consolidated Income Statement

Amount: Million NT\$	2021 (Unaudite	ed)	202	20	YoY
Net Sales	85,604	100.0%	61,006	100.0%	40.3%
Cost of Goods Sold	48,560	56.7%	45,314	74.3%	
Gross Margin	37,044	43.3%	15,692	25.7%	136.1%
SG&A Expenses	2,359	2.8%	2,119	3.5%	
R&D Expenses	7,499	8.8%	5,138	8.4%	
Operating Income	27,186	31.8%	8,434	13.8%	222.3%
Non-operating Income (Exp.)	579	0.7%	557	0.9%	
Income before Tax	27,766	32.4%	8,991	14.7%	208.8%
Income Tax Benefit (Expense)	-4,920	-5.7%	-1,305	-2.1%	
Net Income	22,845	26.7%	7,686	12.6%	
EPS(NT\$)	7.40		2.51		
Book Value Per Share(NT\$)	55.85		50.02		



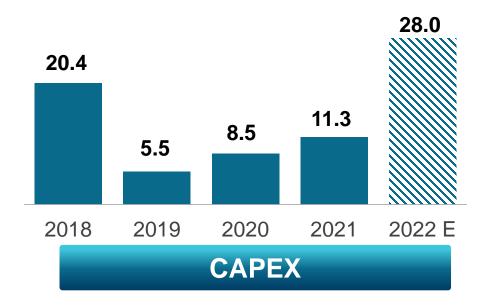
2021 vs. 2020 Results Comparison

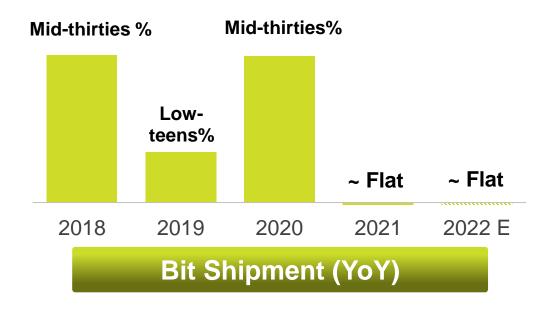
Amount in Million NT\$	2021 (Unaudited)		2020		YoY (PPT* Delta)		Remarks
Net Sales	85,604		61,006		40.3%		Bit shipment relatively flat YoY ASP increased by >40% YoY FX negative impact 5.3%
Gross Income (Loss) Gross Margin(%)	37,044 43.3 %		15,692	25.7%	17.6%		Gross Income increased by NT\$ 21,352M mainly due to ASP increase
Operating Expense	9,858 11.5%		7,257	11.9%	-0.4%		SG&A expense increased NT\$ 240M, R&D expense increased NT\$ 2,361M
Operating Income (Loss) Operating Margin(%)	27,186	31.8%	8,434	13.8%	18.0%	•	Operating Income increased NT\$ 18,752M
Net Income (Loss) Net Margin (%)	22,845	26.7%	7,686	12.6%	14.1%		Net Income increased by NT\$ 15,159M mainly due to: Operating Income increased NT\$ 18,752M FX loss favorable NT\$ 432M (2021: NT\$ -323M, 2020: NT\$ -755M) Interest income unfavorable NT\$ 409M Income tax unfavorable NT\$ 3,615M



CAPEX & Bit Shipment

NT\$ Billion





Capital Expenditure(CAPEX)

- **Bit Shipment**

- Q4'21 CAPEX NT\$ 4.7 billion (B)
- 2021 CAPEX NT\$ 11.26B
- 2022 CAPEX plan estimated NT\$ 28B subject to BoD approval
- Q4'21 bit shipment decreased mid-single digits% QoQ
- 2021 YoY bit shipment relatively flat
- 2022 YoY bit shipment expected to be relatively flat



Market Outlook(2022)

Outlook

- 2022: Demand from Cloud computing, Smartphone, PC and Consumer remain healthy
- Component shortage alleviated in 2H'22, and DDR5 and new CPU gradually increase
- Cautions on high inflation and geopolitical tensions may impact on demand growth
- In general, cautiously optimistic outlook for 2022 DRAM market

Supply

- Q4'21 Suppliers and channel inventory remained low
- 2022 Supplier's dynamic CAPEX increase could change DRAM supply outlook

Demand

- Server Market: Datacenter continuously driving demand growth, components shortage issue lingering, expect easing in 2H'22, and DDR5 and new CPU start shipment
- Mobile Market: 2022 shipment growth led by both 5G and 4G segments, with 5G leading in flagship, and 4G driven by emerging markets, and average DRAM content growing
- PC Market: NB demand remaining healthy, component shortages and international shipping continue to impact delivery, expect easing in 2H'22
- Consumer Market: Positive outlook for networking, wearables, smart speaker, SSD and
 TV, VR and new game consoles. Automotive chip shortage expect eased by year end



Nanya Business Review & Outlook

- Named to the Dow Jones Sustainability (DJSI) World Index
- 2021 financial result, revenue NT\$ 85.6B, GM 43%, OPM 32%, EPS 7.40
- 2022 DRAM market outlook cautiously optimistic
- 1st 10nm-class technology small volume production expected in Q3'22
- 2nd 10nm-class product development on schedule
- New fab ground-breaking scheduled in 1H'22





Q4'21 Consolidated Income Statement

Amount: Million NT\$	Q4'21 (Unaudited)		Q3'21		QoQ	Q4'20		YoY
Net Sales	21,399	100.0%	23,837	100.0%	-10.2%	14,773	100.0%	44.8%
Cost of Goods Sold	10,836	50.6%	12,102	50.8%		11,522	78.0%	
Gross Margin	10,563	49.4%	11,735	49.2%	-10.0%	3,251	22.0%	224.9%
SG&A Expenses	585	2.7%	642	2.7%		509	3.4%	
R&D Expenses	1,955	9.1%	2,020	8.5%		1,439	9.7%	
Operating Income	8,023	37.5%	9,073	38.1%	-11.6%	1,304	8.8%	515.5%
Non-operating Income (Exp.)	99	0.5%	316	1.3%		-167	-1.1%	
Income before Tax	8,123	38.0%	9,389	39.4%	-13.5%	1,137	7.7%	614.5%
Income Tax Benefit (Expense)	-1,672	-7.8%	-1,862	-7.8%		-213	-1.4%	
Net Income	6,450	30.1%	7,527	31.6%	-14.3%	924	6.3%	
Earnings Per Share (NT\$)	2.08		2.44			0.30		
Book Value Per Share(NT\$)	55.85		53.87			50.02		