

COMPANY BACKGROUND

- Samsung, a South Korean company, is one of the largest producers of electronic devices (Bondarenko, 2021).
- It now ranks among the most famous names in technology and contributes to nearly one-fifth of all exports from South Korea (Bondarenko, 2021).
- Samsung has an ESG risk rating of 19.6 which is low risk. In the technology hardware industry, they rank 308 out 659 companies. Globally, they rank 3641 out of 15536 companies.
- Samsung's CSR vision is 'Together for Tomorrow! Enabling People'. Samsung does this by giving future innovators the tools they need to realise their full potential, grow into the leaders of the next generation, usher in good social change, and create a better world for all by offering Education for Future Generations.



PRODUCT RANGE

- Samsung focuses in producing a wide range of consumer and business electronics, including integrated systems, digital media players, semiconductors, and appliances(Bondarenko, 2021).
- Most notably, Samsung is well known for its Galaxy series.
 Samsung Electronics has created, produced, and sold a line of desktop and mobile computing devices under the Galaxy brand name.
- This include high-end mobile-phones, smartwatches, and tablets

SWOT - STRENGTHS

Research and Development

The company's foundation stresses innovation and development. They have 16 overseas R&D centers and 7 Al centers across the globe dedicated to securing new and innovative technologies as well as enhanced global R&D capacity

• <u>Diversified Portfolio</u>

The company operates in 4 divisions - Consumer Electronics, IT and Mobile communications, Device solutions,
 Harman

• Stronghold in Asian Markets

Samsung is a household name in Asia, especially countries such as India and China

SWOT - WEAKNESSES

Product Failures

 Samsung has a history of delivering consumer products that are either fundamentally faulty or a danger to the average consumer

• Dependent on the US market

 Apple and Samsung combined sold at least 74% of smartphones in the US market, despite its growth and expansion to Asian markets

Hereditary Leadership

• Since the company was founded, it has been under the leadership of the same family for three generations

SWOT - OPPORTUNITIES

5G Technology

 Being a global heavyweight in mobile communications, Samsung has the capacity and knowledge to be able to exploit this new opportunity

• HR Management

 If the company chooses to invest time and resources into this department, they will open up opportunities to hire more skilled and qualified employees, therefore boosting productivity

• Triple Protection Proposition

 The company is looking forward to launching this new air conditioning product which will hopefully take the market by storm

SWOT - THREATS

• Increased Competition

Competing smartphone brands are becoming larger and larger threatening the size of Smasung's market share

• **COVID-19**

• The Pandemic had a huge impact on Samsung, with it majorly disrupting its supply lines and manufacturing, causing the company to have had to change many of its business strategies

• <u>Limitation of consumer products</u>

 Many smaller companies, especially in Asian markets, are producing knock-off products that are very similar to Samsung's and much lower prices

UPCOMING NEWS/EVENTS

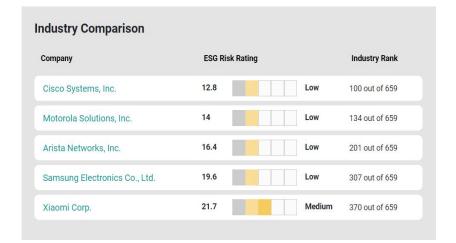
- Continued heavy investment in product and manufacturing capabilities; plans to expand its production capacity for its 'advanced' process technologies by more than three-fold by 2027 (Anandtech [A], 2022)
- With the company's success of bringing the latest [3 nm-class] process technology to mass production, Samsung will be further enhancing gate-all-around (GAA) based technology and plans to introduce the 2 nm process in 2025 and 1.4 nm process in 2027 (Samsung Newsroom [A], 2022)
- \$15 billion investment in R&D Complex by 2028 to improve scaling and innovation of semi-conductors (Anandtech [B], 2022)
- Samsung team up with NAVER; the two companies intend to combine semiconductor design and manufacturing prowess with proven AI capabilities to maximize the speed and power efficiency of large-scale AI models (Samsung Newsroom [B], 2022)

ESG COMPLIANCE

Environmental	Social	Governance
Recycled Materials: Already use ocean-bound plastics in variety of products, committed to usage in all products by 2025	Supply Chain: must comply with Responsible Business Alliance (RBA) verification standards to govern multiple factors inc. Modern Slavery	Labour & Human Rights: designed framework based on United Nations Guiding Principles on Business & Human Rights to ensure compliance throughout the business
Greenhouse Gas Emissions: production process monitored by third-party, already began and committed to YOY reductions through use of renewable energy (31% increase in 2022)	Education: multiple programs to aid education for children, including 'Smart School', 'Samsung Innovation Campus' and 'SW Academy for Youth'. Aided by 824,329 hours volunteer work by Samsung employees in 2021	Anti-Discrimination & Harassment Policies: implemented policies in 2021 in conjunction with Business Social Responsibility (BSR) to ensure equal opportunities and fair treatment
Supply Chain: rigorous process before engaging with new suppliers – must be Eco-Partner certified + comply with extensive third-party standards	Blue Elephant: fund program to prevent cyberviolence amongst youth by sending counselors to schools to provide training	Diversity & Inclusion: commitment to improvements through policies regarding disabled workers, equal pay and gender/racial representation

Source: Samsung Electronics Sustainability Report (2022)





ESG Risk Rating

COMPREHENSIVE ?

Low Risk

 Negligible
 Low
 Medium
 High
 Severe

 0-10
 10-20
 20-30
 30-40
 40+

Ranking

Industry Group (1st = lowest risk)

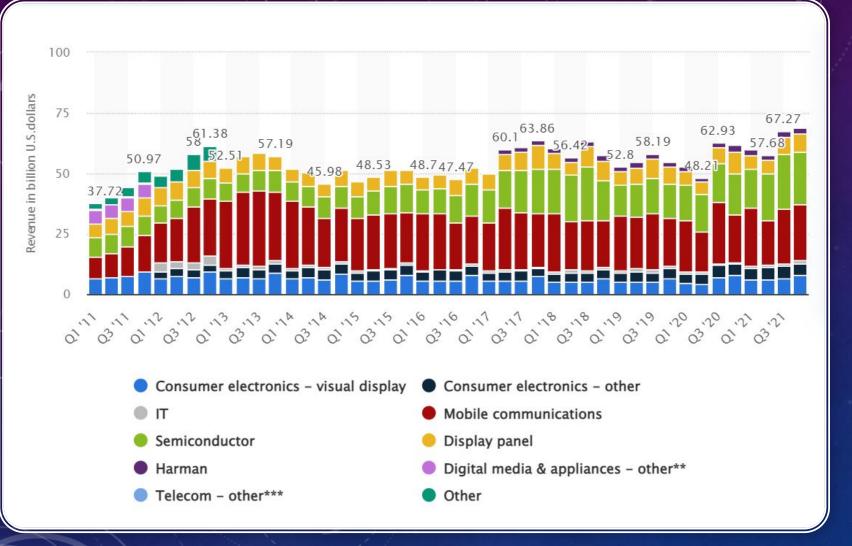
Technology Hardware

307 out of 659

Universe

Global Universe

3652 out of 15555



REVENUE STREAMS BREAKDOWN

BALANCE SHEET

- Throughout the years, Samsung's assets have steadily increased. Their inventory increased by 9,341,259,000 KRW from 2020 to 2021 due to a rise in demand for mobile devices when lockdown occurred meaning they had to order more raw materials in order to keep up with demand.
- In 2021, Samsung's total liabilities rose by 19,433,525,000 KRW. This was Samsung's largest increase, indicating that they had an increase in unpaid debts this year.

Breakdown	31/12/2021	31/12/2020	31/12/2019	31/12/2018
∨ Assets				
→ Current assets				
→ Cash				
Cash and cash equivalents	39,031,415,000	29,382,578,000	26,885,999,000	30,340,505,000
Other short-term investme	85,118,777,000	95,270,265,000	81,893,704,000	70,599,438,000
Total cash	124,150,192,00	0124,652,843,00	0108,779,703,0	00100,939,943,0
Net receivables	40,713,415,000	30,965,058,000	35,131,343,000	33,867,733,000
Inventory	41,384,404,000	32,043,145,000	26,766,464,000	28,984,704,000
Other current assets	5,081,665,000	3,754,462,000	2,695,577,000	2,326,337,000
Total current assets	218,163,185,00	0198,215,579,00	0181,385,260,0	00174,697,424,0
→ Non-current assets				
→ Property, plant and equip				
Gross property, plant and e	377,471,994,00	0328,606,313,00	0304,075,769,0	00279,158,166,0
Accumulated depreciation	-227,543,455,00	0-199,653,421,0	00-184,250,295	,000-163,741,44
Net property, plant and e	149,928,539,00	0128,952,892,00	0119,825,474,0	00115,416,724,0
Goodwill	5,844,259,000	5,673,642,000	6,250,439,000	5,833,678,000
Intangible assets	14,391,985,000	12,794,860,000	14,453,065,000	9,057,920,000
Other long-term assets	5,571,099,000	4,626,326,000	7,236,427,000	6,418,687,000
Total non-current assets	208,457,973,00	0180,020,139,00	0171,179,237,0	00164,659,820,0
Total assets	426 621 158 000	1378 235 718 00	0352 564 497 0	00339,357,244,0

Liabilities and stockholders' eq				
✓ Liabilities				
→ Current liabilities				
Current debt	14,205,859,000	16,558,747,000	14,434,490,000	13,608,979,000
Accounts payable	13,453,351,000	9,739,222,000	8,718,222,000	8,479,916,000
Other current liabilities	1,492,239,000	1,127,719,000	1,037,030,000	1,054,718,000
Total current liabilities	88,117,133,000	75,604,351,000	63,782,764,000	69,081,510,000
→ Non-current liabilities				
Long-term debt	509,732,000	948,137,000	975,298,000	996,935,000
Deferred tax liabilities	23,198,205,000	18,810,845,000	17,053,808,000	15,162,523,000
Other long-term liabilities	1,267,183,000	1,725,857,000	2,408,896,000	1,951,251,000
Total non-current liabilities	33,604,094,000	26,683,351,000	25,901,312,000	22,522,557,000
Total liabilities	121,721,227,00	0102,287,702,00	0089,684,076,00	0 91,604,067,00
→ Stockholders' equity				
Common stock	897,514,000	897,514,000	897,514,000	897,514,000
Retained earnings	293,064,763,00	0271,068,211,00	0254,582,894,0	00242,698,956,0
Total stockholders' equity	296,237,697,00	0267,670,331,00	0254,915,472,0	00240,068,993,0
Total liabilities and stockholde	426,621,158,00	0270 225 710 00	0353 564 407 0	00220 257 244 0

INCOME STATEMENT

- Samsung's revenue climbed by 42,797,811 KRW, the most it has ever been, due to more consumers using technology gadgets for work as individuals worked from home, which greatly raised Samsung's revenue.
- Present value of a share is 1,151.50
 USD as of market lose on the 9th Dec 2022.

Breakdown	TTM	31/12/2021	31/12/2020	31/12/2019	31/12/2018
Total revenue	308,332,309,000	0279,604,799,00	0236,806,988,0	00230,400,881,0	000243,771,415,000
Cost of revenue	186,360,597,000	0166,411,342,00	0144,488,296,0	00147,239,549,0	000132,394,411,000
Gross profit	121,971,712,000	0113,193,457,00	0 92,318,692,00	0 83,161,332,00	00111,377,004,000
→ Operating expenses					
Research development	24,915,463,000	22,401,726,000	21,111,490,000	19,907,236,000	18,354,080,000
Selling general and administrative	33,754,062,000	29,528,020,000	26,084,793,000	27,022,180,000	26,237,170,000
Total operating expenses	69,034,501,000	61,559,601,000	56,324,816,000	55,392,823,000	52,490,335,000
Operating income or loss	52,937,211,000	51,633,856,000	35,993,876,000	27,768,509,000	58,886,669,000
Interest expense	612,614,000	431,540,000	583,013,000	686,356,000	674,617,000
Income before tax	55,748,439,000	53,351,827,000	36,345,117,000	30,432,189,000	61,159,958,000
Income tax expense	13,097,860,000	13,444,377,000	9,937,285,000	8,693,324,000	16,815,101,000
Income from continuing operations	42,650,579,000	39,907,450,000	26,407,832,000	21,738,865,000	44,344,857,000
Net income	41,870,631,000	39,243,791,000	26,090,846,000	21,505,054,000	43,890,877,000
Net income available to common s	41,870,631,000	39,243,791,000	26,090,846,000	21,505,054,000	43,890,877,000
Basic EPS	-	5.78k	3.84k	3.17k	6.46k
Diluted EPS	-	5.78k	3.84k	3.17k	6.46k
Basic average shares	-	5,969,783	5,969,783	5,969,783	5,970,448
Diluted average shares	Screen	nshot	5,969,783	5,969,783	5,970,448
EBITDA	-		67,263,746,000	60,716,183,000	88,316,612,000

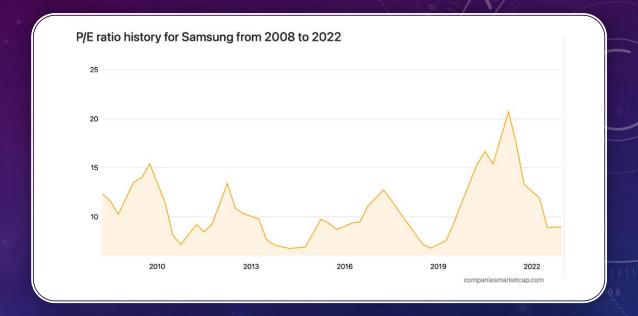
CASH FLOW

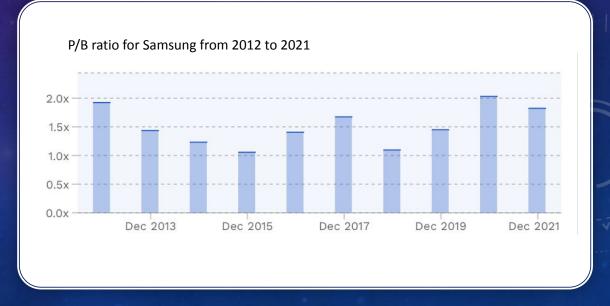
 According to the cash flow, net income has been increasing steadily since 2019, after dropping by 53% (22,385,823 KRW) from 2018 to 2019 due to a supply glut in the semiconductor market.

Breakdown	TTM	31/12/2021	31/12/2020	31/12/2019	31/12/2018
→ Cash flows from operating acti					
Net income	41,870,631,000	39,243,791,000	26,090,846,000	21,505,054,000	43,890,877,00
Depreciation & amortisation	39,060,433,000	34,247,361,000	30,335,616,000	29,597,638,000	26,482,037,00
Change in working capital	-24,415,756,000)-16,286,884,000	122,424,000	-2,545,756,000	-9,924,366,00
Inventory	-18,656,749,000	-9,712,379,000	-7,540,656,000	2,134,632,000	-5,979,475,00
Other working capital	15,676,613,000	15,276,427,000	25,015,196,000	16,765,245,000	36,454,940,00
Other non-cash items	-564,218,000	-619,912,000	-217,074,000	-1,846,193,000	-1,547,430,00
Net cash provided by operati	64,202,907,000	65,105,448,000	65,287,009,000	45,382,915,000	67,031,863,00
∨ Cash flows from investing acti					
Investments in property, plant	-48,526,294,000	0-49,829,021,000	0-40,271,813,00	0-28,617,670,00	00-30,576,923,
Acquisitions, net	-948,708,000	-53,016,000	-132,700,000	-1,032,183,000	-150,334,000
Purchases of investments	-6,285,687,000	-8,648,232,000	-28,718,560,000	0-16,599,093,000	0-22,432,162,0
Sales/maturities of investments	17,456,717,000	24,434,004,000	15,167,908,000	5,722,072,000	352,199,000
Other investing activities	-245,154,000	669,297,000	-57,197,000	46,048,000	-2,289,000
Net cash used for investing ac	-38,304,148,000)-33,047,763,000	0-53,628,591,00	0-39,948,171,00	00-52,240,453,
Net change in cash	11,840,381,000	9,648,837,000	2,496,579,000	-3,454,506,000	-204,625,000
Cash at beginning of period	32,675,040,000	29,382,578,000	26,885,999,000	30,340,505,000	30,545,130,00
Cash at end of period	40,088,713,000	39,031,415,000	29,382,578,000	26,885,999,000	30,340,505,00
✓ Free cash flow					
Operating cash flow	64,202,907,000	65,105,448,000	65,287,009,000	45,382,915,000	67,031,863,00
Capital expenditure	-48,526,294,000	0-49,829,021,000	0-40,271,813,00	0-28,617,670,00	00-30,576,923,

VALUATION METRICS

- Samsung's P/E ratio dropped by 35.7% from 21.1 in 2020 to 13.6 in 2021. The company had been overvalued at the end of the pandemic period, due to its increased sales of consumer electronics to all those customers who were forced to work at home. This decrease is not necessarily a negative thing, with a good P/E ratio in the technology center being viewed as anything below 20.0.
- Samsung's P/B ratio for the latest 12 months is 1.2, compared to 1.8 for the Information technology sector. In the last 5 years it peaked in December at 2.0 and hit its low in December 2018 with 1.1. This suggest that currently the stock may be more undervalued than usual.



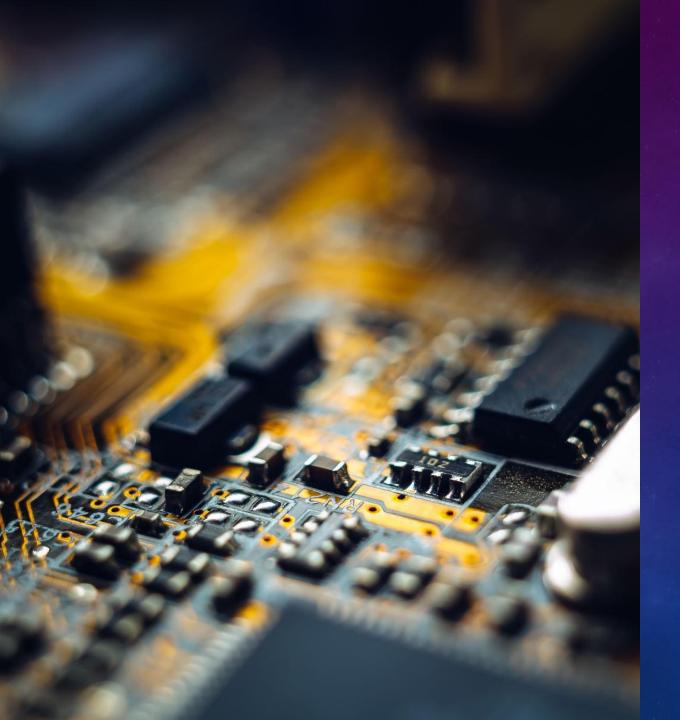


VALUATION METRICS (FURTHER)

- Price/Sales ratio: At the end of December 2022 (current) it was 1.25
- Quick Ratio: 2.27 As of September 2022
- Beta of the stock: 0.88 (Measured monthly over the past 5 years)
- Net Income
 - Q1 2022 = \$11.12bn
 - Q2 2022 = \$10.95bn
 - Q3 2022 = \$9.14bn

POTENTIAL RISKS?

- Samsung's semiconductor business, which accounts for the majority of its revenue and profit, saw its profit decline by almost 50%, to 5.12 trillion won, amid what it said was weakening consumer spending power (Wheatley, 2022)
- Samsung secured half of the global smartphone memory revenue in the first quarter 2021, according to Strategy Analytics (Lee, 2021). Smartphone memory revenue for the quarter totaled US\$11.4 billion, a 21.3% increase from a year prior (Lee, 2021)



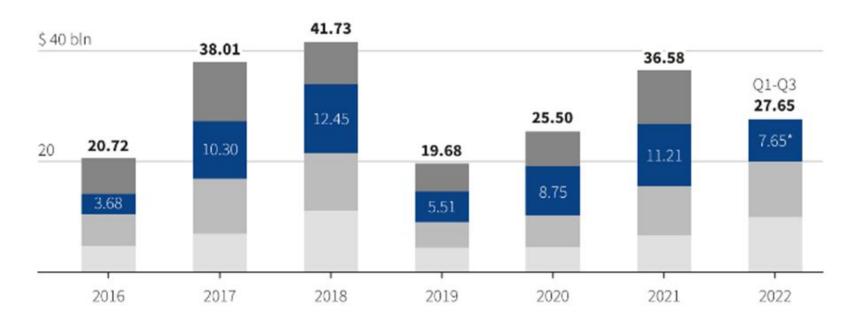
SAMSUNG'S EARNING SLUMP ON CONTINUOUS DROP-OFF IN CHIP DEMAND

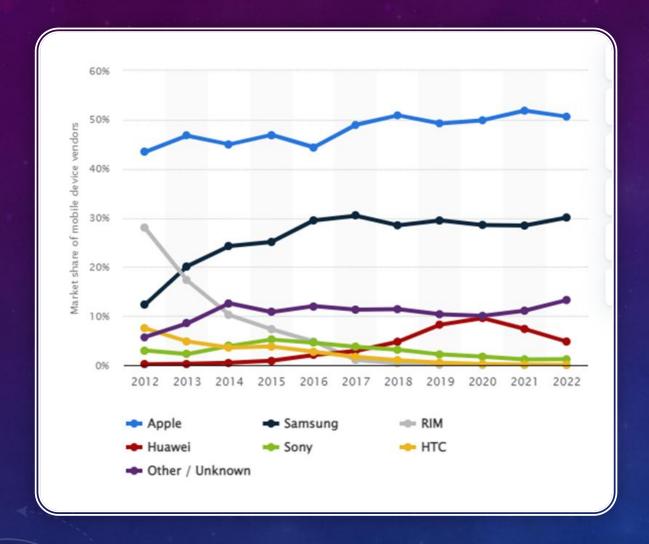
Samsung Electronics Co. Ltd. reported a
worse-than-anticipated 32% decline in quarterly
operating profitability as the market for electronic
gadgets and the memory chips that go inside of
them was reduced by the economic slump

Samsung Q3 profit slumped

Samsung flagged a 32% drop in quarterly operating earnings on rapid drop-off in chip demand, due to an economic downturn.







COMPARISON TO COMPETITORS

- When it comes to consumer choice for mobile brands, Apple continues to rule the UK market. Since July 2022, Apple has accumulated more than 50% of mobile phones sales compared to 30% for Samsung.
- Affordability of Samsung Electronics? Its
 closest competitor in the semiconductor
 manufacturing industry, TSMC, is valued \$602.33
 billion. The US mega brand Apple, its biggest rival
 in the smartphone sector, has a staggering
 market valuation of \$2.4 trillion.

MARKET REACTION TO EARNINGS AND NEWS



Samsung

reported a 31% drop in

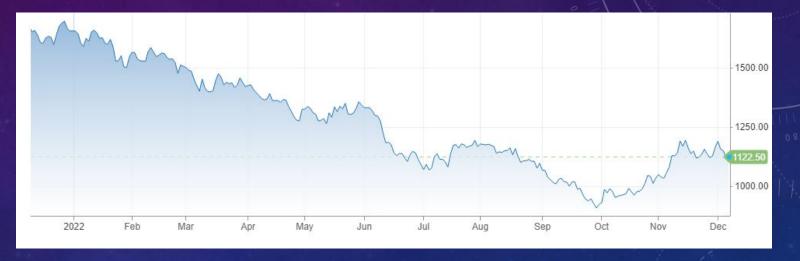
third-quarter

profit results

ANALYST FORECASTS

Wallet Investor
High - \$1536.255
Medium - \$1308.931
Low - \$1088.809

Morning Star High - \$1698.50 Medium - \$1288.731 Low - \$901.40



LON: BC94 Past 12 Months Chart Performance

SUMMARY

- Samsung's constant investment in Research and Development, along with their diversified portfolio makes its good company to invest in
- There are many opportunities for Samsung to continue growing and asserting their dominance such as the 5G Networks and Triple Protection Proposition

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