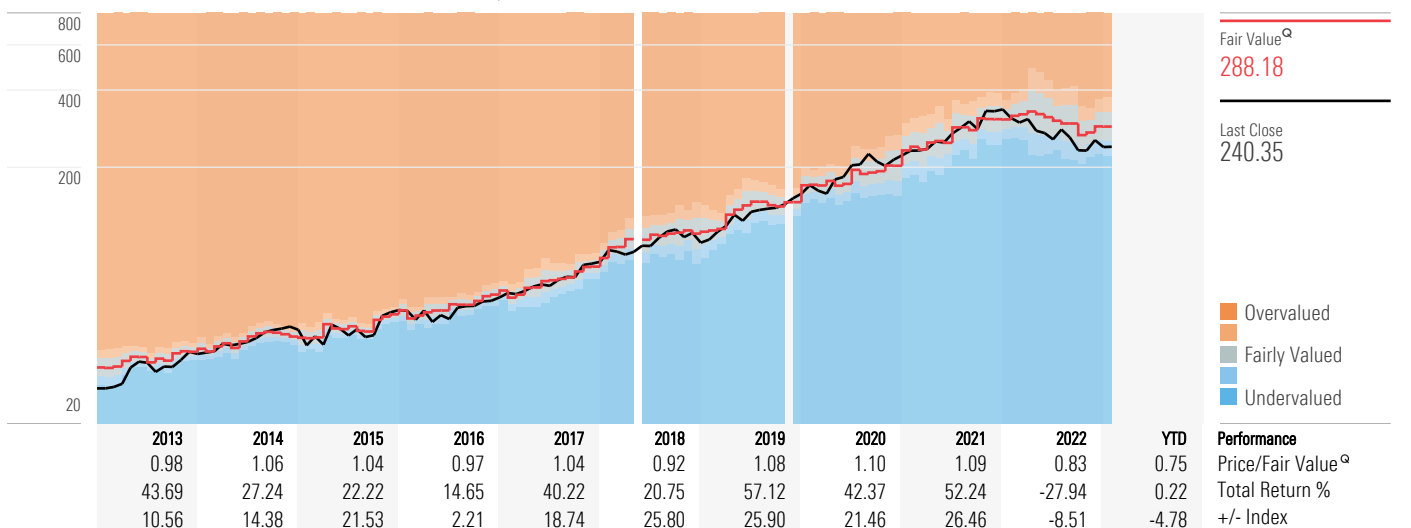


Microsoft Corp MSFT ★★★★★ Q 17 Jan 2023, 23:47 UTC

Economic Moat ^Q	Uncertainty ^Q	Price/Fair Value ^Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
Wide	High	0.8	4 Jan 2023 06:00, UTC	1.06	1,783.3336 Bil	Large Growth	Technology	Software - Infrastructure



As of 17 Jan 2023 | Index: Morningstar US Market TR USD. Fair Value data as of 17 Jan 2023, 23:47 UTC.

¹The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating. Lee Davidson, Head of Manger and Quantitative Research, oversees the methodology that supports Quantitative Fair Value Estimates and Quantitative Star Ratings. Mr. Davidson is guided by the Code of Ethics and Investment Research Integrity Policy of Morningstar Research Services LLC, a subsidiary of Morningstar, Inc. Morningstar's Quantitative Research team, which consist of employees of Morningstar, Inc., are guided by Morningstar, Inc.'s Code of Ethics. For information regarding Conflicts of Interests, visit <http://global.morningstar.com/equitydisclosures>.

Valuation ^Q as of 17 Jan 2023



Fair Value ^Q
288.18
Uncertainty ^Q :
High

Last Close
240.35

MSFT is Under Valued at a 17% discount.

Economic Moat ^Q
Wide

Financial Health ^Q
Strong

1-Star Price ^Q
> 374.60

5-Star Price ^Q
< 221.70

Financials as of 17 Jan 2023 (Fiscal Year End 30 Jun 2023)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD	Fiscal
Revenue (Bil)	78	87	94	91	97	110	126	143	168	198	50	Revenue (Bil)
Operating Income (Bil)	27	28	28	27	29	35	43	53	70	83	22	Operating Income (Bil)
Operating Margin (%)	34.38	32.11	30.1	29.83	30.37	31.77	34.14	37.03	41.59	42.06	42.93	Operating Margin (%)
Net Income (Bil)	22	22	12	21	25	17	39	44	61	73	18	Net Income (Bil)
Diluted Earnings/Share	2.58	2.63	1.48	2.56	3.25	2.13	5.06	5.76	8.05	9.65	2.35	Diluted Earnings/Share
Operating Cash Flow (Bil)	29	33	30	33	40	44	52	61	77	89	23	Operating Cash Flow (Bil)
Capital Spending (Bil)	-4.26	-5.49	-5.94	-8.34	-8.13	-11.63	-13.93	-15.44	-20.62	-23.89	-6.28	Capital Spending (Bil)
Free Cash Flow (Bil)	25	27	24	25	31	32	38	45	56	65	17	Free Cash Flow (Bil)
Avg Shares Outstand(Mil)	8,470	8,399	8,254	8,013	7,832	7,794	7,753	7,683	7,608	7,540	7,485	Avg Shares Outstand(Mil)
Dividend Per Share	0.97	1.15	1.29	1.47	1.59	1.72	1.89	2.09	2.30	2.54	2.72	Dividend Per Share

Valuation as of 17 Jan 2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Current	Calendar
Price/Fair Value ^Q	0.98	1.06	1.04	0.97	1.04	0.92	1.08	1.10	1.09	0.83	0.83	Price/Fair Value ^Q
Price/Sales	3.94	4.25	5.00	5.79	7.22	6.88	9.40	11.59	14.48	8.88	8.86	Price/Sales
Price/Earnings	14.01	18.22	36.74	29.73	30.23	41.80	29.75	35.87	37.62	25.81	25.75	Price/Earnings
Price/Cash Flow	11.08	12.02	15.48	13.74	16.54	17.53	23.31	25.76	31.15	20.56	20.51	Price/Cash Flow
Price/Book	3.80	4.23	5.68	6.83	7.35	9.08	11.32	13.60	16.60	10.30	10.27	Price/Book

Operating Performance as of 17 Jan 2023 (Fiscal Year End 30 Jun 2023)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Q3	Fiscal (%)
Return on Assets	16.58	14.02	7.0	9.08	9.75	6.63	14.39	15.07	19.3	20.82	4.85	Return on Assets
Return on Equity	30.09	26.17	14.36	22.09	29.37	21.37	42.41	40.14	47.08	47.15	10.32	Return on Equity
Rtn on Invested Capital	25.7	21.79	11.16	14.81	16.36	11.49	22.69	23.9	30.8	33.23	7.56	Rtn on Invested Capital

Business Description

Microsoft develops and licenses consumer and enterprise software. It is known for its Windows operating systems and Office productivity suite. The company is organized into three equally sized broad segments: productivity and business processes (legacy Microsoft Office, cloud-based Office

365, Exchange, SharePoint, Skype, LinkedIn, Dynamics), intelligence cloud (infrastructure- and platform-as-a-service offerings Azure, Windows Server OS, SQL Server), and more personal computing (Windows Client, Xbox, Bing search, display advertising, and Surface laptops, tablets, and desktops).

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- i. **Quantitative Fair Value Estimate:** Intended to represent Morningstar's estimate of the per share dollar amount that a company's equity is worth today. Morningstar calculates the Quantitative Fair Value Estimate using a statistical model derived from the Fair Value Estimate Morningstar's equity analysts assign to companies. Please go to <http://global.morningstar.com/equitydisclosures> for information about Fair Value Estimate Morningstar's equity analysts assign to companies.
- ii. **Quantitative Economic Moat:** Intended to describe the strength of a firm's competitive position. It is calculated using an algorithm designed to predict the Economic Moat rating a Morningstar analyst would assign to the stock. The rating is expressed as Narrow, Wide, or None.
 - Narrow** – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 70% but less than 99%.
 - Wide** – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 99%.
 - None** – assigned when the probability of an analyst receiving a "Wide Moat" rating by an analyst is less than 70%.

- iii. **Quantitative Star Rating:** Intended to be the summary rating based on the combination of our Quantitative Fair Value Estimate, current market price, Quantitative Uncertainty Rating, and momentum. The rating is expressed as One-Star, Two-Star, Three-Star, Four-Star, and Five-Star.

One-Star – the stock is overvalued with a reasonable margin of safety.

*Log (Quant FVE/Price) < -1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) < -1.5*Quantitative Uncertainty*

Two-Star - the stock is somewhat overvalued.

*Log (Quant FVE/Price) between (-1*Quantitative Uncertainty, -0.5*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-1.5*Quantitative Uncertainty, -0.75*Quantitative Uncertainty)*

Three-Star – the stock is approximately fairly valued.

*Log (Quant FVE/Price) between (-0.5*Quantitative Uncertainty, 0.5*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-0.75*Quantitative Uncertainty, 0.75*Quantitative Uncertainty)*

Four-Star – the stock is somewhat undervalued.

*Log (Quant FVE/Price) between (0.5*Quantitative Uncertainty, 1*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (0.75*Quantitative Uncertainty, 1.5*Quantitative Uncertainty)*

Five-Star – the stock is undervalued with a reasonable margin of safety.

*Log (Quant FVE/Price) > 1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) > 1.5*Quantitative Uncertainty*

After the initial calculation for the star rating, there is a final filtering step based on the momentum of the company. We rank the companies based on their 12-1 month momentum, then restrict those below the 30th percentile to a maximum of 3 stars.

- iv. **Quantitative Uncertainty:** Intended to represent Morningstar's level of uncertainty about the accuracy of the Quantitative Fair Value Estimate. Generally, the lower the Quantitative Uncertainty, the narrower the potential range of outcomes for that particular company. The rating is expressed as Low, Medium, High, Very High, and Extreme.

Low – the interquartile range for possible fair values is less than 10%

Medium – the interquartile range for possible fair values is less than 15% but greater than 10%

High – the interquartile range for possible fair values is less than 35% but greater than 15%

Very High – the interquartile range for possible fair values is less than 80% but greater than 35%

Extreme – the interquartile range for possible fair values is greater than 80%

- v. **Quantitative Financial Health:** Intended to reflect the probability that a firm will face financial distress in the near future. The calculation uses a predictive model designed to anticipate when a company may default on its financial obligations. The rating is expressed as Weak, Moderate, and Strong.

Weak – assigned when Quantitative Financial Health < 0.2

Moderate – assigned when Quantitative Financial Health is between 0.2 and 0.7

Strong – assigned when Quantitative Financial Health > 0.7

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- i. **Last Close** – Price of the stock as of the close of the market of the last trading day before date of the report.

- ii. **Quantitative Valuation** – Using the below terms, intended to denote the relationship between the security's **Last Price** and Morningstar's quantitative fair value estimate for that security.

Undervalued – Last Price is below Morningstar's quantitative fair value estimate.

Fairly Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

Overvalued – Last Price is above Morningstar's quantitative fair value estimate.

This Report **has not been made available** to the issuer of the security prior to publication.

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