

## VALUATION SUMMARY

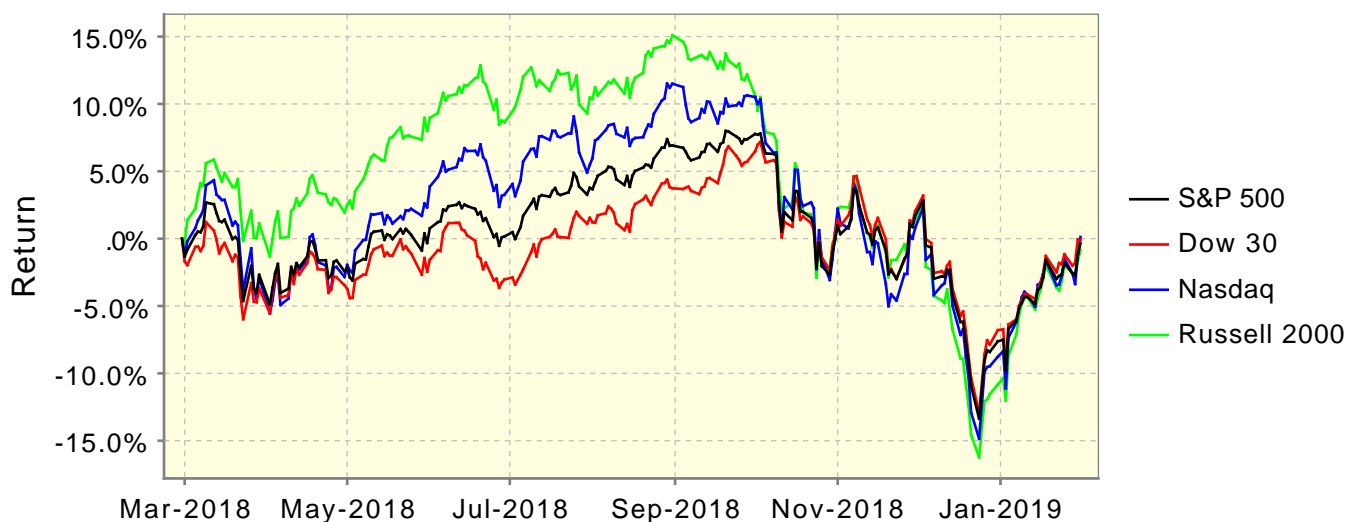
Stocks Undervalued	65.00%	Stocks Overvalued	35.00%
Stocks Undervalued by 20%	30.00%	Stocks Overvalued by 20%	12.45%

ValuEngine currently finds the markets attractive with the majority of stocks covered undervalued according to the research.

## INDEX OVERVIEW

Index	Date	Last Close	MTD	QTD	YTD
S&P 500	1/32/2019	2,704.10	7.87%	8.78%	8.65%
Dow 30	1/32/2019	24,999.67	7.17%	8.40%	8.04%
Nasdaq	1/32/2019	7,281.74	9.74%	10.59%	10.67%
Russell 2000	1/32/2019	1,499.42	11.19%	12.07%	12.58%

## PERFORMANCE HISTORY



## SECTOR AVERAGE COMPARISON

Sector Name	Valuation	Momentum	P/E Ratio	Sharpe Ratio
Oils-Energy	27.80% undervalued	-16.59%	18.04	-0.4794
Construction	14.27% undervalued	-18.01%	17.94	-0.0515
Industrial Products	10.94% undervalued	-8.30%	19.65	-0.0621
Basic Materials	9.78% undervalued	-16.72%	20.07	-0.1524
Auto-Tires-Trucks	7.12% undervalued	-22.49%	10.92	-0.1819
Transportation	6.30% undervalued	-10.94%	17.57	-0.1954
Finance	6.07% undervalued	-6.19%	15.74	0.0979
Consumer Staples	5.30% undervalued	-4.59%	22.96	0.0839
Retail-Wholesale	5.04% undervalued	-0.51%	21.75	-0.1028
Consumer Discretionary	4.62% undervalued	-6.15%	25.42	-0.0876
Multi-Sector Conglomerates	4.05% undervalued	-13.12%	16.97	-0.0900
Medical	3.17% undervalued	7.57%	28.49	-0.2490
Aerospace	0.17% undervalued	0.98%	24.36	0.1430
Business Services	1.99% overvalued	-3.33%	23.45	-0.1323
Computer and Technology	3.14% overvalued	5.18%	29.21	0.0254
Utilities	3.97% overvalued	4.00%	21.30	0.1245

**TOP INDUSTRIES**

Industry Name	Valuation	Momentum	P/E Ratio	Sharpe Ratio	Market Cap (bil)
Solar	-12.69%	28.13%	21.99	-0.5811	0.8550
Elec Power	-14.09%	8.17%	11.33	-0.0883	3.6453
Medical Information Systems	3.93%	15.37%	33.64	-0.2209	1.7368
Internet Software	19.86%	32.63%	44.01	0.0500	3.8720
Transportation-Ship	-7.92%	-13.73%	20.05	-0.5625	0.9431
Toys/Games/Hobby Prod	-4.28%	-0.71%	23.31	0.3039	16.2773
Medical-Nursing Homes	-1.87%	12.26%	25.18	-0.4133	0.8923
Medical-Drugs	-20.40%	-3.96%	24.90	-0.3731	1.5856
Bldg Prod-Lighting Fixt	-27.80%	-21.71%	14.02	0.0282	5.2439
Agricultural Operations	-1.15%	-12.77%	9.60	-0.2057	7.5454

**STOCK OF THE WEEK - AMD**

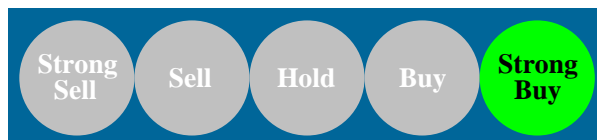
Company Name: Adv Micro Dev

Sector: Computer and Technology

Industry: Elec-Semiconductors

**ValuEngine Recommendation**

ValuEngine recommendation covers more than 5000 companies. The recommendations are based on the proprietary ValuEngine one-year forecast return model output for each individual equity. ValuEngine's Five-Engine rating stocks have an averaged annual return of 11.62% since 2002.


**Data Summary**

Trade Date: Jan 31, 2019	Last Close: \$24.41	Avg Volume: 102091861
1-Yr Forecast: 13.49%	Valuation: 52.60%	1-Yr Momentum: 77.66%
Trailing P/E: 69.74	Forward P/E: 47.86	PEG Ratio: 1.53
Market Cap (bil): \$18.93	EPS Growth: 45.71%	Beta: 3.32
5-Yr Avg Return: 31.25%	Volatility: 58.98%	Sharpe Ratio: 0.53
P/S Ratio: 2.90	M/B Ratio: 22.64	Alpha: 0.80

**Forecast Analysis**

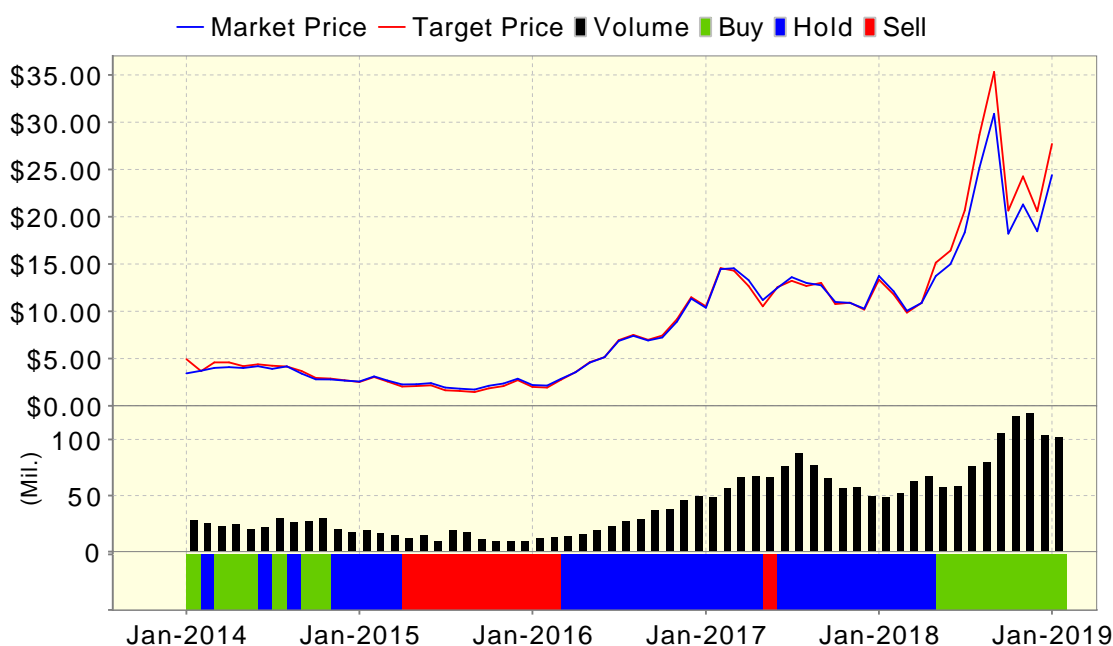
The predictive variables used in Valuengine's forecast model include both proprietary and well-established variables derived from credible financial studies and publications. We use a distinct forecasting model for each time horizon and apply the most advanced statistical/econometric techniques to ensure that our stock return forecasts are as reliable as possible.

	Target Price	Exp. Return
1-Month	\$24.68	1.12%
3-Month	\$24.94	2.15%
6-Month	\$25.84	5.84%
1-Year	\$27.70	13.49%
2-Year	\$27.49	12.64%
3-Year	\$28.67	17.43%

[Click for more information on ValuEngine's models.](#)

## STOCK OF THE WEEK - AMD

### Price And Recommendation History



### ValuEngine Evaluation & Rankings

	Value	Ranking
1-Yr Forecast	13.49%	99
Valuation	52.60%	5
1-Yr Momentum	77.66%	98
P/E Ratio	69.74	34
Market Cap(bil)	18.9261	93
EPS Growth	45.71%	75
5-Yr Avg Return	31.25%	98
Volatility	58.98%	28
Sharpe Ratio	0.5298	91
P/S Ratio	2.90	34
M/B Ratio	22.64	7
Surprise	6.89%	59

Just as important as the percentages shown for our predictive variables for each stock is the way they are ranked against @7000 stocks in our database. This is sometimes confusing to newcomers to ValuEngine. Each of these quantitative measurements is ranked on a scale of 1 to 100. Generally the higher the ranking, the more positive the influence each measurement has on the overall attractiveness of the stock. In other words a high rank is always better. For example:

- \* Forecast rank 99: 1% of stocks have higher forecast returns.
- \* Valuation rank 5: 95% of stocks are more undervalued.
- \* Momentum rank 98: 2% of stocks have higher momentum.
- \* P/E rank 34: 66% of stocks have lower P/E ratios.
- \* Size rank 93: 7% of stocks have higher market capitalization.
- \* Volatility rank 28: 72% of stocks have less volatility.

### Business Summary

Advanced Micro Devices, Inc. is a world-class company with the innovation, execution, and vision to grow our leadership position in the industry. Today's world-class companies share three essential characteristics. First, they deliver innovative products and technologies that customers want. Second, they have established a proven track record of fast, efficient manufacturing execution. And third, they have a bold vision of where to take their business, and often their industry. Over the course of AMD's three decades in business, silicon and software have become the steel and plastic of the worldwide digital economy. Technology companies have become global pacesetters, making technical advances at a prodigious rate always driving the industry to deliver more and more, faster and faster. AMD's dedication to customer-centric innovation and competitive spirit is an unbroken thread running from our early days in the integrated circuit business, through an ever-broadening product portfolio.

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- Quantitative consulting such as model creation, testing, backtesting
- Other customized services

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## VALUENGINE'S METHODOLOGY

ValuEngine's research combines the most advanced academic concepts with real world Wall Street practice. The result is state-of-the-art fair market valuation and price forecasting technologies.

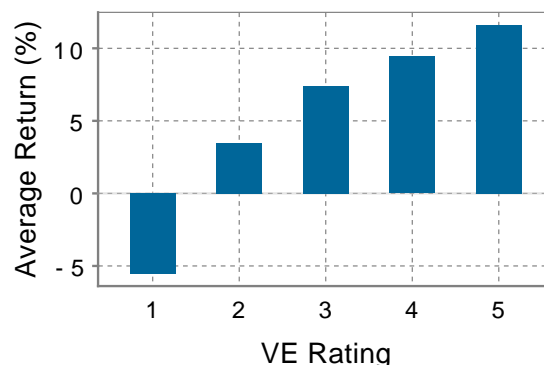
ValuEngine's stock valuation employs a sophisticated, three-factor approach. Fundamental variables, such as a company's trailing 12-month Earnings-Per-Share (EPS), the analyst consensus estimate of the company's future 12-month EPS, and the 30-year Treasury yield, are all used to create a more accurate reflection of a company's fair value. Together with eleven additional variables, ValuEngine paints a detailed picture of a company's fair value, represented by the model price.

ValuEngine's stock forecasts capture several important tendencies that stock prices consistently exhibit over six time horizons to ensure forecasts are established relative to a stock's proper peer groups. Advanced statistical/econometric techniques are used to run thousands of simulations estimating the probability of a double in stock price, as well as the probability of meeting and exceeding any given portfolio or stock investment target.

VE Engine Rating is an assessment of a stock's overall attractiveness. It is based on the one year forecast target price, which is the final evolution of VE's equity modeling. On average, only 2 percent of ValuEngine's 5,500 stocks under coverage achieve a 5 rating. 5 and 4 rated stocks are expected to outperform the overall markets, 3 rated to roughly match market performance, and 2 and 1 rated are expected to underperform.

For additional information about ValuEngine's financial research and financial modeling, please click [www.valuengine.com](http://www.valuengine.com)

VE Rating and Average Annual Return  
(Jan 2002 - Dec 2018)



## DISCLOSURES

ValuEngine offers equity recommendations and related return estimates to investors and their advisors. It uses a three-class Buy-Hold-Sell rating system. This is a consolidated version of the firm's five class rating system: most favorable and favorable ratings are buys; neutral ratings are holds and the categories unfavorable and most unfavorable are sells.

**STOCK RATINGS:** The terms below are used to rate a stock's 12-month performance:

1. Buy: Expected to outperform the SP500 producing above average returns.
2. Hold: Expected to perform in line with the SP500 with average returns.
3. Sell: Expected to underperform the SP500 producing below-average returns.

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