

Intel Corporation

Recommendation BUY ★★☆☆☆

Price
\$48.43 (as of Aug 31, 2018 4:00 PM ET)

12-Mo. Target Price
\$60.00

Report Currency
USD

Investment Style
Large-Cap Blend

Equity Analyst Angelo Zino, CFA

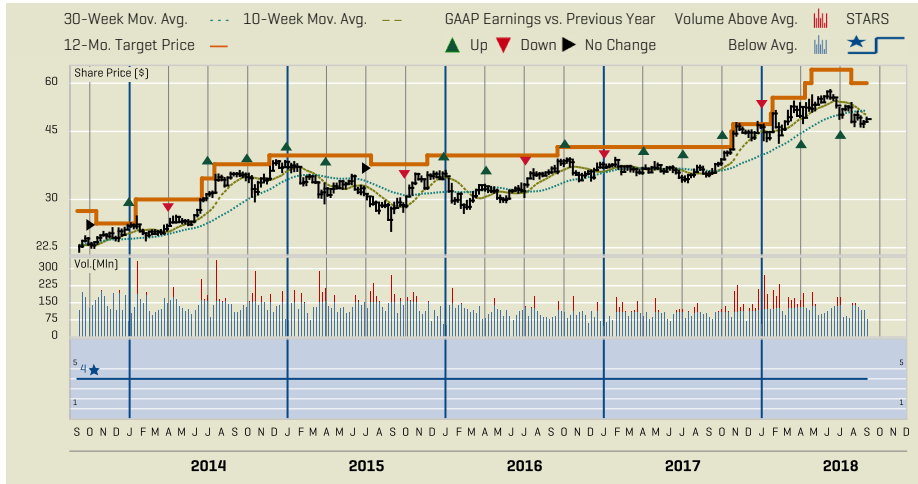
GICS Sector Information Technology
Sub-Industry Semiconductors

Summary This company is the world's largest manufacturer of microprocessors, the central processing units of PCs, and it also produces other semiconductor products.

Key Stock Statistics (Source: CFRA, S&P Global Market Intelligence (SPGMI), Company Reports)

52-Wk Range	\$57.60 - 34.93	Oper. EPS 2018E	4.15	Market Capitalization(B)	\$223.3	Beta	0.96
Trailing 12-Month EPS	2.77	Oper. EPS 2019E	4.19	Yield (%)	2.48	3-Yr Proj. EPS CAGR[%]	10
Trailing 12-Month P/E	17.40	P/E on Oper. EPS 2018E	11.62	Dividend Rate/Share	\$1.20	SPGMI's Quality Ranking	B+
\$10K Invested 5 Yrs Ago	\$25,582	Common Shares Outstg.(M)	4,611.0	Institutional Ownership [%]	69		

Price Performance



Source: CFRA, S&P Global Market Intelligence
Past performance is not an indication of future performance and should not be relied upon as such.
Analysis prepared by Equity Analyst Angelo Zino on Jul 27, 2018 01:40 PM, when the stock traded at \$52.16.

Highlights

- ▶ We see sales increasing 2.6% in 2019 after our outlook for an 11% rise in 2018. We see growth in the foreseeable future being driven by INTC's Data-Centric businesses, which were 49% of sales and grew 26% in the most recent quarter. Despite our view for decelerating growth, we positively view Data Center opportunities, driven by cloud and communications service providers. We see PC-centric sales relatively stable in 2018 and 2019, with growth of 6% in the second quarter, partly reflecting Windows 10 enterprise adoption, improvement in product mix and penetration in mobile devices. We envision higher cloud investments driving data center growth and we see significant opportunities within the Internet-of-Things and memory arenas.
- ▶ We see a gross margin between 61% and 62% for both 2018 and 2019, below the 63.8% margin for 2017. We see less favorable mix as INTC ramps modem sales to Apple, declining PC volume over time and higher start-up costs from the ramp-up of new process technologies.
- ▶ We forecast operating EPS of \$4.15 in 2018 and \$4.19 for 2019. We anticipate healthy server growth, greater memory exposure and penetration in mobility supporting earnings.

Investment Rationale/Risk

- ▶ Our Buy opinion reflects valuation and a view that fundamentals will improve through 2019. We positively view further diversification away from PCs, and we note a growing emphasis in data-centric businesses, which we believe will comprise about half of INTC's profits this year. We believe INTC is benefiting from investments by major cloud providers, although likely to decelerate, as they shift towards artificial intelligence offerings, which we expect to persist in the intermediate term. We are optimistic about opportunities related to autonomous cars as well as growth within memory. We see manufacturing delays (10 nm production ramp in 2019), increasing competitive pressures from Advanced Micro Devices and uncertainty at the CEO position as concerns. However, we see shares as highly attractive and long term secular prospects as encouraging.
- ▶ Risks to our opinion and target price include slowing growth in emerging markets, an inventory correction, faster price erosion due to product mix, and greater competition from Advanced Micro Devices (AMD 19 ****).
- ▶ Our 12-month target price of \$60 is based on a multiple of 14.3X our 2019 EPS estimate of \$4.19, below peers to reflect margin concerns.

Analyst's Risk Assessment

LOW	MEDIUM	HIGH
------------	---------------	-------------

Our risk assessment reflects Intel's exposure to the sales cycles of the semiconductor industry and demand trends for personal computers, offset by its large size, long corporate history and its low debt levels compared to peers.

Revenue/Earnings Data

Revenue (Million U.S. \$)	1Q	2Q	3Q	4Q	Year
2018	16,066	16,962	--	--	--
2017	14,796	14,763	16,149	17,053	62,761
2016	13,702	13,533	15,778	16,374	59,387
2015	12,781	13,195	14,465	14,914	55,355
2014	12,764	13,831	14,554	14,721	55,870
2013	12,580	12,811	13,483	13,834	52,708

Earnings Per Share (U.S. \$)

	1Q	2Q	3Q	4Q	Year
2019	E 0.92	E 0.99	E 1.11	E 1.16	E 4.19
2018	0.93	1.05	E 1.13	E 1.10	E 4.15
2017	0.61	0.58	0.94	-0.15	1.99
2016	0.42	0.27	0.69	0.73	2.12
2015	0.41	0.55	0.64	0.74	2.33
2014	0.38	0.55	0.66	0.73	2.31

Fiscal year ended Dec 31. Next earnings report expected: Late Oct. EPS Estimates based on CFRA's Operating Earnings; historical GAAP earnings are as reported in Company reports.

Dividend Data

Amount (\$)	Date Decl.	Ex-Div. Date	Stk. of Record	Payment Date
0.30	Jul 19	Aug 06	Aug 07	Sep 01 '18
0.30	Mar 15	May 04	May 07	Jun 01 '18
0.30	Jan 25	Feb 06	Feb 07	Mar 01 '18
0.273	Sep 14	Nov 06	Nov 07	Dec 01 '17

Dividends have been paid since 1992. Source: Company reports.

Past performance is not an indication of future performance and should not be relied upon as such.
Forecasts are not reliable indicator of future performance.

Intel Corporation

Business Summary July 27, 2018

CORPORATE OVERVIEW. Intel is the world's largest chipmaker based on revenue and unit shipments, and is well known for its dominant market share in microprocessors for PCs. The microprocessor is the central processing unit of the computer system, and acts like "the brain" of the computer. The company also sells chipsets, which it refers to as "the nervous system" in a PC or computing device, sending data between the microprocessor and input, display and storage components.

Intel reports its businesses in the following operating segments: Client Computing Group (CCG), Data Center Group (DCG), Internet of Things Group (IOTG), Non-Volatile Memory Solutions Group (NSG), and Programmable Solutions Group (PSG). The PSG segment is derived from the Altera acquisition.

The Client Computing Group [55% of 2017 sales] makes microprocessors and related chipsets for the notebook, netbook, and desktop segments. Also, it includes motherboards designed for desktop and wireless connectivity products. This segment also concentrates on delivering platforms designed for the tablet and smartphone market segments, and mobile communications components, such as baseband processors, radio frequency transceivers, and global navigation satellite systems, among other things.

The Data Center Group [31%] makes products, including microprocessors, chipsets, motherboards, and wired connectivity devices that are used in servers, storage, workstations, and other applications that are used in the data center and for cloud computing.

The Internet of Things Group represented 5% of sales in 2017. This segment focuses on delivering platforms designed for embedded market segments including retail, transportation, industrial, and buildings and home, along with a broad range of other market segments.

The Non-Volatile Memory Solutions Group represented 6% of sales in 2017, while Programmable Solutions represented 3% of sales.

MARKET PROFILE. The microprocessor market accounts for about 20% of the total semiconductor industry's revenues and is dominated by two companies: Intel and Advanced Micro Devices (AMD). The two competitors have battled for preeminence in the segment for decades. Several years ago, as AMD improved its product line and cut prices, Intel lost market share and, in 2006, experienced notable earnings decreases. Later that year, Intel started to turn the tide by improving its product development, manufacturing and cost structure. Regaining market share, Intel now ships more than 85% of the world's microprocessors, and is still the clear leader in this space. It has accomplished this by extending its leadership in key technologies that have provided competitive advantages. Manufacturing technology enables it to produce chips with more transistors at a lower cost. Intel's powerful chips have done well in devices connected to a power source by a cord, such as PCs, but it has not had the same success in mobile devices powered by a battery. As mobile handset and tablet computers become more feature-rich, the need for more powerful processing grows in importance. Semiconductor companies have been developing application processors [a chip in mobile devices with functions that are comparable to microprocessors] that reach speeds of over 1 Gigahertz [GHz]. Although Intel's ATOM processor, which boasts speeds of over 1.8 GHz, is starting to compete against application processors in the smartphone and mobile device segments, its offerings have not been as competitive when it comes to power consumption, an important factor for gadgets that depend on a long battery life.

IMPACT OF MAJOR DEVELOPMENTS. On June 21, 2018, INTC announced the resignation of CEO Brian Krzanich after it was uncovered that Krzanich had a past consensual relationship with an employee. An ongoing investigation has confirmed a violation of Intel's non-fraternization policy, which applies to all managers. CFO Robert Swan has been named interim CEO, effective immediately. While we view the news of former CEO Brian Krzanich as unfortunate, we believe the company is in good hands with Robert Swan and given the progress already made towards transitioning INTC into a Data Centric company. INTC is undertaking a robust succession planning process for a permanent CEO, which will include both internal and external candidates.

On August 21, 2017, INTC completed its acquisition of Mobileye for \$15.4 billion in cash. Mobileye is a developer of computer vision and machine learning-based sensing products, mapping and driving policy technology solutions for advanced driver assistance systems, and autonomous driving technologies.

On December 28, 2015, INTC completed its acquisition of Altera for \$54 per share, or \$16.7 billion in cash. We think Altera presents greater opportunities within the attractive data center arena and we think INTC will enhance Altera's products through their existing manufacturing relationship [Altera is a foundry customer]. While INTC leveraged its balance sheet, we think its substantial cash position and cash flow generation still give its ample financial flexibility. We like ALTR's diversified end-market exposure.

FINANCIAL TRENDS. Intel's revenues are cyclical, but less variable than the broader industry's because of its competitive position, a fairly stable computing end-market and the relative size of its revenues. Annual gross margins have been in the mid-50% to mid-60% area over the past few years, fluctuating with the competitive and economic environments. With Intel's "tick-tock" strategy, gross margins generally dip every other year to reflect scheduled equipment and technology additions. Because of the high fixed-cost structure in its business model, Intel depends on operating leverage for margin expansion. However, this has not been a problem for Intel, which has benefited from above-industry operating margins.

Corporate Information

Investor Contact

R. Jacob [408-765-8080]

Office

2200 Mission College Boulevard, Santa Clara, California 95054

Telephone

408-765-8080

Website

www.intel.com

Officers

Senior VP & Chief Technology Officer

M. C. Mayberry

Executive Vice President and General Counsel

S. R. Rodgers

Interim CEO, Executive VP & CFO

R. H. Swan

Executive Chairman

A. D. Bryant

Board Members

A. Bhusri
A. D. Bryant
A. Wilson
F. D. Yeary
G. D. Smith

O. S. Ishrak
R. E. Hundt
R. J. Lavizzo-Mourey
T. Liu

Domicile

Delaware

Auditor

Ernst & Young LLP

Founded

1968

Employees

102,700

Stockholders

120,000

Intel Corporation

Quantitative Evaluations					Expanded Ratio Analysis					
Fair Value Rank	4	1	2	3	4	5				
		LOWEST				HIGHEST				
		Based on CFRA's proprietary quantitative model, stocks are ranked from most overvalued [1] to most undervalued [5].								
Fair Value Calculation	\$48.58	Analysis of the stock's current worth, based on CFRA's proprietary quantitative model suggests that INTC is fairly valued.								
Volatility		LOW	AVERAGE	HIGH						
Technical Evaluation	NEUTRAL	Since July, 2018, the technical indicators for INTC have been NEUTRAL.								
Insider Activity		UNFAVORABLE	NEUTRAL	FAVORABLE						
		Price/Sales	3.56	2.98	3.09	3.40				
		Price/EBITDA	8.42	7.71	7.42	7.85				
		Price/Pretax Income	11.81	10.80	12.21	12.24				
		P/E Ratio	23.20	17.11	15.01	16.26				
		Avg. Diluted Shares Outsg. [M]	4835	4875	4894	5056				
		Figures based on fiscal year-end price								
Key Growth Rates and Averages										
		Past Growth Rate [%]		1 Year	3 Years	5 Years				
		Sales		5.68	3.95	3.31				
		Net Income		-6.93	-6.39	-2.69				
Ratio Analysis [Annual Avg.]										
		Net Margin [%]		NM	NM	NM				
		% LT Debt to Capitalization		26.13	NA	NA				
		Return on Equity [%]		14.20	NA	NA				

Company Financials Fiscal year ending Dec. 31

Per Share Data [U.S. \$]	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Tangible Book Value	6.80	9.01	9.70	8.54	8.58	7.13	6.08	7.99	6.59	6.26
Free Cash Flow	2.20	2.58	2.47	2.10	2.02	1.41	1.93	2.06	1.20	1.01
Earnings	1.99	2.12	2.33	2.31	1.89	2.13	2.39	2.01	0.77	0.92
Earnings [Normalized]	2.34	1.89	1.82	1.94	1.52	1.79	2.02	1.72	0.97	0.95
Dividends	1.08	1.04	0.96	0.90	0.90	0.87	0.78	0.63	0.56	0.55
Payout Ratio [%]	53	48	40	38	47	40	32	31	71	59
Prices: High	47.64	38.36	37.49	37.90	26.04	29.27	25.78	24.37	21.27	27.27
Prices: Low	33.23	27.68	24.87	23.50	20.10	19.23	19.16	17.60	12.05	12.06
P/E Ratio: High	17.9	18.5	17.9	17.5	13.0	12.3	11.8	50.5	46.6	24.1
P/E Ratio: Low	13.2	12.1	11.0	12.4	8.4	9.1	8.8	10.6	9.7	9.7

Income Statement Analysis [Million U.S. \$]

Revenue	62,761	59,387	55,355	55,870	52,708	53,341	53,999	43,623	35,127	37,586
Operating Income	18,375	15,147	14,356	15,642	12,531	14,638	17,477	15,588	8,639	9,664
Depreciation + Amortization	8,129	7,790	8,711	8,549	8,032	7,522	6,064	4,638	5,052	4,616
Interest Expense	637	725	345	195	244	90	41	NA	1	8
Pretax Income	20,352	12,936	14,212	15,801	12,611	14,873	17,781	16,045	5,704	7,686
Effective Tax Rate	52.8	20.3	19.6	25.9	23.7	26.0	27.2	28.6	23.4	31.1
Net Income	9,601	10,316	11,420	11,704	9,620	11,005	12,942	11,464	4,369	5,292
Net Income [Normalized]	11,336	9,189	8,907	9,797	7,733	9,213	10,945	9,811	5,501	5,446

Balance Sheet and Other Financial Data [Million U.S. \$]

Cash	14,002	17,099	25,313	14,401	20,216	18,195	14,881	21,951	13,925	11,881
Current Assets	29,500	35,508	38,320	27,730	32,084	31,358	25,872	31,611	21,157	19,871
Total Assets	123,249	113,327	101,459	91,900	92,358	84,351	71,119	63,186	53,095	50,472
Current Liabilities	17,421	20,302	15,646	16,011	13,568	12,898	12,028	9,327	7,591	7,818
Long Term Debt	25,037	20,649	20,036	12,059	13,194	13,150	7,094	2,090	2,058	1,185
Total Capital	95,832	91,509	83,755	69,538	71,922	64,771	53,326	51,701	44,062	40,920
Capital Expenditures	11,778	9,625	7,326	10,105	10,711	11,027	10,764	5,207	4,515	5,197
Cash from Operations	22,110	21,808	19,018	20,418	20,776	18,884	20,963	16,692	11,170	10,926
Current Ratio	1.69	1.75	2.45	1.73	2.36	2.43	2.15	3.39	2.79	2.54
% Long Term Debt of Capitalization	26.1	22.6	23.9	17.3	18.3	20.3	13.3	4.0	4.7	2.9
% Net Income of Revenue	15.3	17.4	20.6	20.9	18.3	20.6	24.0	26.3	12.4	14.1
% Return on Assets	9.71	8.82	9.28	10.61	8.86	11.77	16.27	16.76	10.43	11.38
% Return on Equity	14.2	16.2	19.5	20.5	17.6	22.7	27.1	25.2	10.8	12.9

Source: S&P Global Market Intelligence. Data may be preliminary or restated; before results of discontinued operations/special items. Per share data adjusted for stock dividends; EPS diluted. E-Estimated. NA-Not Available. NM-Not Meaningful. NR-Not Ranked. UR-Under Review.

Intel Corporation

Sub-Industry Outlook

We have a positive fundamental outlook for the semiconductors sub-industry for the next 12 months. We see an 11% increase in semiconductor revenue for 2018 and a 5% rise in 2019 after growing 22% in 2017 and 1.1% in 2016. We anticipate growth to be driven by greater demand in data centers as well as content growth within the automotive and industrial end markets. We expect a fairly normalized inventory supply chain to leave the supply-demand balance even to slightly favorable for inventory replenishment, which should contribute to potential upside as demand improves. We expect earnings per share to outstrip top-line growth through 2019, aided by greater earnings leverage and tight cost controls.

We see orders improving in the coming quarter following a seasonal slowdown in the first quarter in 2018, as an inventory build for next-generation product launches support higher wireless demand. While we expect secular declines to persist in the PC space, we see an aging infrastructure, innovation, and enterprise adoption for Windows 10 supporting a more stable outlook in 2018 and 2019. We think the communications and consumer end markets will remain healthy despite periods of lumpiness, as carrier comments globally suggest to us an improved spending outlook and continued growth in smartphones. We think the automotive segment has some favorable secular tailwinds despite soft global trends. We think industrials will improve. Given the high exposure to this end market, analog semiconductors are particularly exposed to this trend. All of this is against the backdrop of the proliferation of semiconductors across a range of electronic products and markets. Industry margins continue to be a function of manufacturing utilization and inventory supply-demand imbalances.

While companies that outsource manufacturing

typically have more stability in gross margins [a trade-off for capped upside], others that have their own manufacturing see more variability. We think some companies, especially in analog, maintain higher inventory levels, reducing potential leverage. Companies in the industry seem more inclined to increase debt levels given their strong balance sheets and low interest rate environment. Healthy free cash flow generation will likely result in greater shareholder return via share repurchases and dividend increases.

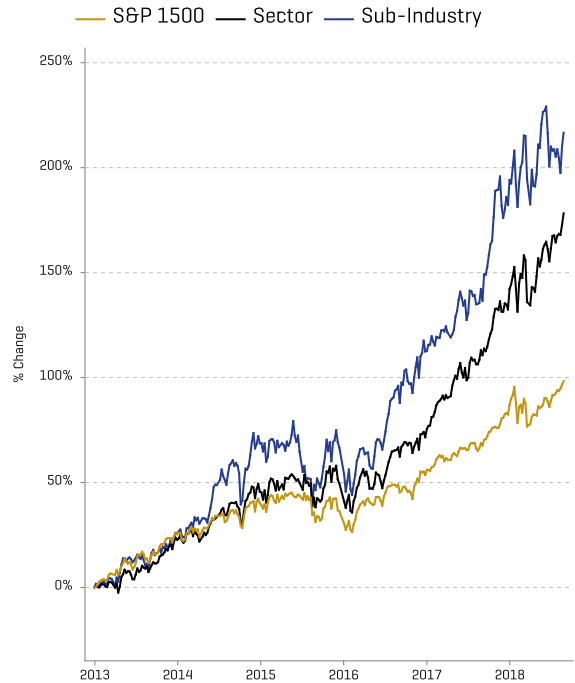
Year to date through June 29, the S&P semiconductors sub-industry index rose 6.5% versus a 2.0% increase for the S&P 1500 index. For the full-year 2017, the S&P semiconductors sub-industry index rose 32.8% versus an 18.8% increase for the S&P 1500 index.

/Angelo Zino, CFA

Industry Performance

GICS Sector: Information Technology Sub-Industry: Semiconductors

Based on S&P 1500 Indexes
Five-Year market price performance through Sep 01, 2018



NOTE: All Sector & Sub-Industry information is based on the Global Industry Classification Standard (GICS).

Past performance is not an indication of future performance and should not be relied upon as such.

Source: S&P Global Market Intelligence

Sub-Industry: Semiconductors Peer Group*: Semiconductors

Peer Group	Stock Symbol	Exchange	Currency	Recent Stock Price (\$)	Stk. Mkt. Cap. (M \$)	30-Day Price Chg. (%)	1-Year Price Chg. (%)	P/E Ratio	Fair Value Calc. (\$)	Yield (%)	Return on Equity (%)	LTD to Cap (%)
Intel Corporation	INTC	NasdaqGS	USD	48.43	223,311	-0.8	38.1	17	48.58	2.5	14.2	26.1
Advanced Micro Devices, Inc.	AMD	NasdaqCM	USD	25.17	24,538	36.2	93.6	87	15.51	Nil	8.4	66.1
Analog Devices, Inc.	ADI	NasdaqGS	USD	98.85	36,740	2.9	18.1	26	95.89	1.9	9.5	41.9
Broadcom Inc.	AVGO	NasdaqGS	USD	219.03	91,592	1.0	-13.1	8	NA	3.2	7.9	42.8
Infineon Technologies AG	IFNN.Y	OTCPK	USD	25.50	28,764	-0.5	10.7	22	NA	1.2	14.8	20.2
Micron Technology, Inc.	MU	NasdaqGS	USD	52.52	60,913	0.4	64.3	5	117.18	Nil	31.4	29.5
NVIDIA Corporation	NVDA	NasdaqGS	USD	280.68	170,653	13.9	65.7	41	273.05	0.2	46.1	20.9
NXP Semiconductors N.V.	NXPI	NasdaqGS	USD	93.14	32,072	-2.4	-17.5	33	139.89	Nil	18.3	28.5
QUALCOMM Incorporated	QCOM	NasdaqGS	USD	68.71	100,944	6.8	31.5	NM	NA	3.6	7.9	36.9
Taiwan Semiconductor Manufacturing Company Limited	TSM	NYSE	USD	43.60	216,079	4.5	17.9	NA	NA	3.0	24.2	5.4
Texas Instruments Incorporated	TXN	NasdaqGS	USD	112.40	109,275	1.3	35.7	26	100.50	2.2	35.4	24.8

*For Peer Groups with more than 10 companies or stocks, selection of issues is based on market capitalization.

NA-Not Available NM-Not Meaningful.

Note: Peers are selected based on Global Industry Classification Standards and market capitalization. The peer group list includes companies with similar characteristics, but may not include all the companies within the same industry and/or that engage in the same line of business.

Intel Corporation

Analyst Research Notes and other Company News

July 27, 2018

08:15 am ET... CFRA KEEPS BUY RECOMMENDATION ON SHARES OF INTEL (INTC 52.16****): We adjust our 12-month target price to \$60 from \$65 on peer-discount P/E of 14.3X our '19 EPS view to reflect gross margin concerns. We up our '18 EPS estimate to \$4.15 from \$3.99 and '19's to \$4.19 from \$4.14. INTC posts Q2 EPS of \$1.04 vs. \$0.72, beating the \$0.97 consensus. Sales grew 15%, ahead of expectations, led by a 26% increase in data-centric and 6% rise in PC-centric sales. Gross margin of 62% was near our view but we see compression in the second half, on less favorable mix as INTC ramps modern sales to Apple and delays of its 10 nanometer chips. We positively view data center growth of 27%, driven by demand from cloud and communications service providers, but anticipate a sharp deceleration ahead on tougher comparables. We see manufacturing delays, increasing competitive pressures from Advanced Micro Devices and uncertainty at the CEO position as concerns; however, we see shares as highly attractive and remain optimistic about INTC's progression away from PC-related sales. /Angelo Zino, CFA

June 25, 2018

12:11 pm ET... CFRA SEES INCREASING RISKS FOR SEMICONDUCTORS GIVEN TRADE ISSUES WITH CHINA (INTC 52.5****): According to an unconfirmed WSJ report, by week's end, President Trump plans to block certain technology exports to China and bar Chinese companies with at least 25% Chinese ownership (ceiling may be lower) from investing in U.S. technology firms. While we have many of the same concerns that the Trump administration has in terms of Intellectual Property practices, we believe blocking technology exports could be harmful and negatively impact many U.S.-based chipmakers. Our analysis shows that the top 10 U.S. chipmakers within our coverage universe, in terms of market cap, generate about 37% of sales from China, with Skyworks (SWKS 96***) and QUALCOMM (QCOM 57***) having the most concentration. We still view the lingering trade issues with China as the biggest risk to the semiconductor industry and expect chipmakers to remain pressured near term until better clarity on the situation is realized. We believe the fundamentals for the sub-industry remain positive, but see increasing risks. /Angelo Zino, CFA

June 21, 2018

09:50 am ET... CFRA KEEPS BUY RECOMMENDATION ON SHARES OF INTEL CORPORATION (INTC 53.46****): We keep our 12-month target price at \$65 on a near-peer P/E of 15.7X our '19 EPS estimate. We increase our '18 EPS estimate to \$3.99 from \$3.85 and keep '19's at \$4.14. INTC announces the resignation of CEO Brian Krzanich after it was uncovered that Krzanich had a past consensual relationship with an employee. An ongoing investigation has confirmed a violation of Intel's non-fraternization policy, which applies to all managers. CFO Robert Swan has been named interim CEO, effective immediately. While we view the news of former CEO Brian Krzanich as unfortunate, we believe the company is in good hands with Robert Swan and given the progress already made towards transitioning INTC into a Data Centric company. INTC is undertaking a robust succession planning process for a permanent CEO, which will include both internal and external candidates. Separately, INTC provides preliminary Q2 revenue of \$16.9B and EPS of \$0.99, both ahead of S&P Capital IQ consensus' \$16.3B and \$0.86, respectively. /Angelo Zino, CFA

May 14, 2018

09:28 am ET... CFRA MAINTAINS POSITIVE FUNDAMENTAL OUTLOOK ON THE SEMICONDUCTOR SUB-INDUSTRY (INTC 54.67****): President Trump says he is working with Chinese President Xi Jinping to keep China-based telecom networking firm ZTE in business, after the company was hit with an order banning U.S. suppliers from selling components. We view President Trump's comments about ZTE as a positive for the semiconductor industry and for optical communications providers, although likely being done to gain leverage in discussions with China amid a period of tension over trade, 5G development and intellectual property owned by U.S. chipmakers. The U.S. Commerce Department is currently reviewing the ban and we see increasing likelihood of a potential appeal. Separately, an unconfirmed Bloomberg report cites that Chinese regulators have restarted their review of QUALCOMM's bid to acquire NXP Semiconductors. Should several pending chip deals (e.g. QUALCOMM/NXP Semiconductors and Microchip/Microsemi) obtain approval from Chinese regulators, we think it could act as a catalyst for the broader semiconductor industry. /Angelo Zino, CFA

April 26, 2018

05:57 pm ET... CFRA MAINTAINS BUY OPINION ON SHARES OF INTEL CORPORATION (INTC 51.38****): We raise our 12-month target by \$5 to \$65 on a P/E of 15.7X our 2019 EPS estimate, near peers. We increase our '18 EPS estimate to \$3.85 from \$3.56 and '19's to \$4.14 from \$3.82. INTC posts Q4 EPS of \$0.87 vs. \$0.66, beating the \$0.72 estimate. Sales rose 13%, well above expectations, driven by growth in its Data-Centric businesses, which were 49% of sales and grew 25%. We note PC-Centric businesses grew a modest 3%, benefiting from higher commercial spending. We positively view Data Center growth, up 24%, driven by cloud and communications service providers as well as improving selling prices. We believe INTC is benefiting from accelerating investments by major cloud providers, as they shift towards artificial intelligence offerings, which we expect to persist. We are optimistic about opportunities related to autonomous cars, aided by Mobileye, as well as growth within memory (up 20% in Q1). We see margins benefiting from efficiencies and like its investment shift to non-PC segments. /Angelo Zino, CFA

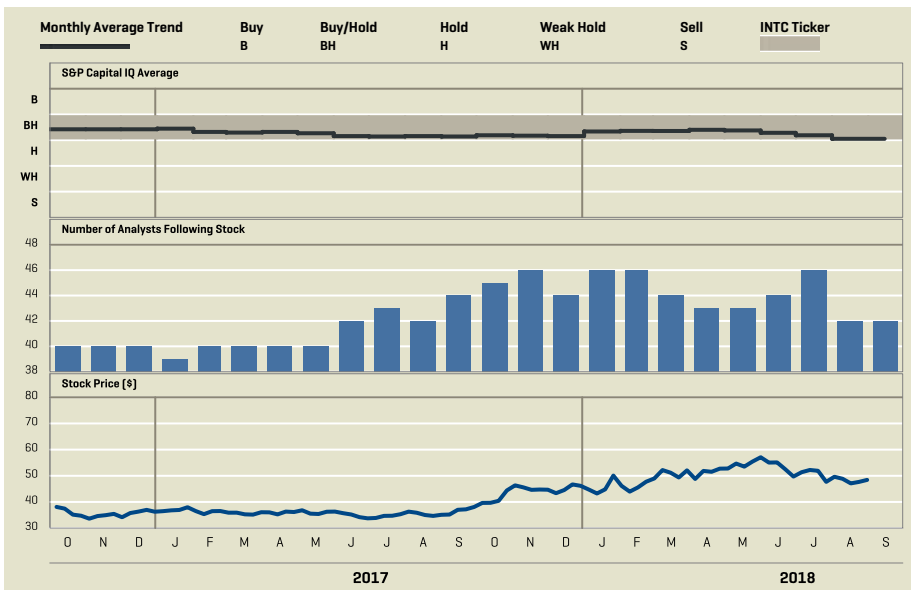
April 11, 2018

09:30 am ET... CFRA MAINTAINS BUY OPINION ON SHARES OF INTEL CORPORATION (INTC 51.27****): We raise our 12-month target by \$5 to \$60 on a P/E of 15.7X our 2019 EPS estimate, near peers. We up our '18 EPS estimate to \$3.56 from \$3.47 and '19's to \$3.82 from \$3.73. Despite INTC's high exposure to PCs, we see the potential for multiples to expand as the firm implements its execution strategy and bottom line results become more tied to Data-Centric businesses. Ahead of Q1 earnings results expected on April 26, we see Q1 EPS/revenue of \$0.72/\$15.1B and believe '18 consensus expectations are conservative. We expect commentary with regards to INTC's Data Center Group (33% of sales) to remain positive, led by demand from the cloud segment and communications service providers. We see sales supported by greater penetration for its Xeon Scalable processors and favorable pricing mix. We expect revenue from the Client Computing Group to remain stable and we think recent concerns related to its Apple business are overblown. We view INTC's above-peer dividend yield of 2.4% as attractive. /Angelo Zino, CFA

Note: Research notes reflect CFRA's published opinions and analysis on the stock at the time the note was published. The note reflects the views of the equity analyst as of the date and time indicated in the note, and may not reflect CFRA's current view on the company.

Intel Corporation

Analysts' Recommendations



Wall Street Consensus Opinion

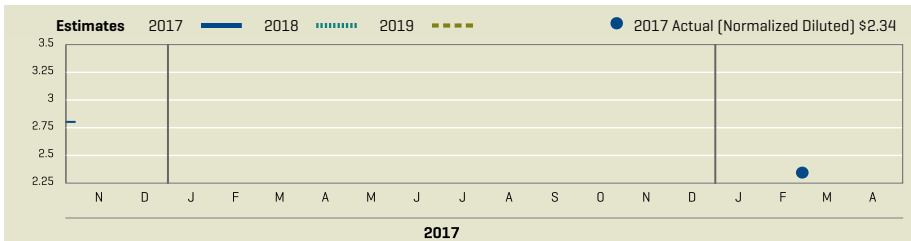
BUY/HOLD

Wall Street Consensus vs. Performance

For fiscal year 2018, analysts estimate that INTC will earn USD \$4.16. For the 2nd quarter of fiscal year 2018, INTC announced earnings per share of USD \$1.05, representing 25.2% of the total revenue estimate. For fiscal year 2019, analysts estimate that INTC's earnings per share will grow by 2% to USD \$4.26.

	No. of Recommendations	% of Total	1 Mo. Prior	3 Mos. Prior
Buy	11	26	11	16
Buy/Hold	6	14	6	7
Hold	16	38	16	15
Weak Hold	3	7	3	2
Sell	2	5	2	2
No Opinion	4	10	4	2
Total	42	100	42	44

Wall Street Consensus Estimates



Fiscal Years	Avg Est.	High Est.	Low Est.	# of Est.	Est. P/E
2019	4.26	4.65	3.60	37	11.4
2018	4.16	4.29	4.00	35	11.7
2019 vs. 2018	▲2%	▲8%	▼-10%	▲6%	▼-3%
Q3'19	1.14	1.30	0.83	28	42.6
Q3'18	1.15	1.17	1.09	32	42.2
Q3'19 vs. Q3'18	▼-1%	▲11%	▼-24%	▼-12%	▲1%

Forecasts are not reliable indicator of future performance.

Note: A company's earnings outlook plays a major part in any investment decision. S&P Global Market Intelligence organizes the earnings estimates of over 2,300 Wall Street analysts, and provides their consensus of earnings over the next two years, as well as how those earnings estimates have changed over time. Note that the information provided in relation to consensus estimates is not intended to predict actual results and should not be taken as a reliable indicator of future performance.

Note: For all tables, graphs and charts in this report that do not cite any reference or source, the source is S&P Global Market Intelligence.

Intel Corporation

Glossary

STARS

Since January 1, 1987, CFRA Equity and Fund Research Services, and its predecessor S&P Capital IQ Equity Research has ranked a universe of U.S. common stocks, ADRs (American Depositary Receipts), and ADSs (American Depositary Shares) based on a given equity's potential for future performance. Similarly, we have ranked Asian and European equities since June 30, 2002. Under proprietary STARS (Stock Appreciation Ranking System), equity analysts rank equities according to their individual forecast of an equity's future total return potential versus the expected total return of a relevant benchmark (e.g., a regional index [S&P Asia 50 Index, S&P Europe 350® Index or S&P 500® Index]), based on a 12-month time horizon. STARS was designed to meet the needs of investors looking to put their investment decisions in perspective. Data used to assist in determining the STARS ranking may be the result of the analyst's own models as well as internal proprietary models resulting from dynamic data inputs.

S&P Global Market Intelligence's Quality Ranking

(also known as **S&P Capital IQ Earnings & Dividend Rankings**) - Growth and stability of earnings and dividends are deemed key elements in establishing S&P Global Market Intelligence's earnings and dividend rankings for common stocks, which are designed to encapsulate the nature of this record in a single symbol. It should be noted, however, that the process also takes into consideration certain adjustments and modifications deemed desirable in establishing such rankings. The final score for each stock is measured against a scoring matrix determined by analysis of the scores of a large and representative sample of stocks. The range of scores in the array of this sample has been aligned with the following ladder of rankings:

A+	Highest	B	Below Average
A	High	B-	Lower
A-	Above Average	C	Lowest
B+	Average	D	In Reorganization
NR	Not Ranked		

EPS Estimates

CFRA's earnings per share (EPS) estimates reflect analyst projections of future EPS from continuing operations, and generally exclude various items that are viewed as special, non-recurring, or extraordinary. Also, EPS estimates reflect either forecasts of equity analysts; or, the consensus (average) EPS estimate, which are independently compiled by S&P Global Market Intelligence, a data provider to CFRA. Among the items typically excluded from EPS estimates are asset sale gains; impairment, restructuring or merger-related charges; legal and insurance settlements; in process research and development expenses; gains or losses on the extinguishment of debt; the cumulative effect of accounting changes; and earnings related to operations that have been classified by the company as discontinued. The inclusion of some items, such as stock option expense and recurring types of other charges, may vary, and depend on such factors as industry practice, analyst judgment, and the extent to which some types of data is disclosed by companies.

12-Month Target Price

The equity analyst's projection of the market price a given security will command 12 months hence, based on a combination of intrinsic, relative, and private market valuation metrics, including Fair Value.

CFRA Equity Research

CFRA Equity Research is produced and distributed by Accounting Research & Analytics, LLC d/b/a CFRA ("CFRA US"; together with its affiliates and subsidiaries, "CFRA"). Certain research is produced and distributed by CFRA MY Sdn Bhd [Company No. 683377-A] (formerly known as Standard & Poor's Malaysia Sdn Bhd) ("CFRA Malaysia"). Certain research is distributed by CFRA UK Limited ("CFRA UK"). CFRA UK and CFRA Malaysia are wholly-owned subsidiaries of CFRA US.

Abbreviations Used in Equity Research Reports

CAGR - Compound Annual Growth Rate
 CAPEX - Capital Expenditures
 CY - Calendar Year
 DCF - Discounted Cash Flow
 DDM - Dividend Discount Model
 EBIT - Earnings Before Interest and Taxes
 EBITDA - Earnings Before Interest, Taxes, Depreciation & Amortization
 EPS - Earnings Per Share
 EV - Enterprise Value
 FCF - Free Cash Flow
 FFO - Funds From Operations

FY - Fiscal Year
 P/E - Price/Earnings
 P/NAV - Price to Net Asset Value PEG Ratio - P/E-to-Growth Ratio PV - Present Value
 R&D - Research & Development ROCE - Return on Capital Employed ROE - Return on Equity
 ROI - Return on Investment
 ROIC - Return on Invested Capital
 ROA - Return on Assets
 SG&A - Selling, General & Administrative Expenses
 SOTP - Sum-of-The-Parts
 WACC - Weighted Average Cost of Capital

Dividends on American Depositary Receipts (ADRs) and American Depositary Shares (ADSs) are net of taxes (paid in the country of origin).

Qualitative Risk Assessment

Reflects an equity analyst's view of a given company's operational risk, or the risk of a firm's ability to continue as an ongoing concern. The Qualitative Risk Assessment is a relative ranking to the U.S. STARS universe, and should be reflective of risk factors related to a company's operations, as opposed to risk and volatility measures associated with share prices. For an ETF this reflects on a capitalization-weighted basis, the average qualitative risk assessment assigned to holdings of the fund.

STARS Ranking system and definition:

★★★★★ 5-STARS (Strong Buy):

Total return is expected to outperform the total return of a relevant benchmark, by a notable margin over the coming 12 months, with shares rising in price on an absolute basis.

★★★★★ 4-STARS (Buy):

Total return is expected to outperform the total return of a relevant benchmark over the coming 12 months, with shares rising in price on an absolute basis.

★★★★★ 3-STARS (Hold):

Total return is expected to closely approximate the total return of a relevant benchmark over the coming 12 months, with shares generally rising in price on an absolute basis.

★★★★★ 2-STARS (Sell):

Total return is expected to underperform the total return of a relevant benchmark over the coming 12 months, and the share price is not anticipated to show a gain.

★★★★★ 1-STAR (Strong Sell):

Total return is expected to underperform the total return of a relevant benchmark by a notable margin over the coming 12 months, with shares falling in price on an absolute basis.

Relevant benchmarks:

In North America, the relevant benchmark is the S&P 500 Index, in Europe and in Asia, the relevant benchmarks are the S&P Europe 350 Index and the S&P Asia 50 Index, respectively.

Intel Corporation

Disclosures

S&P GLOBAL™ is used under license. The owner of this trademark is S&P Global Inc. or its affiliate, which are not affiliated with CFRA Research or the author of this content. Stocks are ranked in accordance with the following ranking methodologies:

STARS Stock Reports:

Qualitative STARS recommendations are determined and assigned by equity analysts. For reports containing STARS recommendations refer to the Glossary section of the report for detailed methodology and the definition of STARS rankings.

Quantitative Stock Reports:

Quantitative recommendations are determined by ranking a universe of common stocks based on 5 measures or model categories: Valuation, Quality, Growth, Street Sentiment, and Price Momentum. In the U.S., a sixth sub-category for Financial Health will also be displayed. Percentile scores are used to compare each company to all other companies in the same universe for each model category. The five (six) model category scores are then weighted and rolled up into a single percentile ranking for that company. For reports containing quantitative recommendations refer to the Glossary section of the report for detailed methodology and the definition of Quantitative rankings.

STARS Stock Reports and Quantitative Stock Reports:

The methodologies used in STARS Stock Reports and Quantitative Stock Reports (collectively, the "Research Reports") reflect different criteria, assumptions and analytical methods and may have differing recommendations. The methodologies and data used to generate the different types of Research Reports are believed by the author and distributor reasonable and appropriate. Generally, CFRA does not generate reports with different ranking methodologies for the same issuer. However, in the event that different methodologies or data are used on the analysis of an issuer, the methodologies may lead to different views or recommendations on the issuer, which may at times result in contradicting assessments of an issuer. CFRA reserves the right to alter, replace or vary models, methodologies or assumptions from time to time and without notice to clients.

STARS Stock Reports:

Global STARS Distribution as of June 30, 2018

Ranking	North America	Europe	Asia	Global
Buy	39.1%	31.9%	37.3%	36.1%
Hold	54.6%	53.6%	50.6%	52.9%
Sell	6.3%	14.5%	12.1%	11.0%
Total	100.0%	100.0%	100.0%	100.0%

Analyst Certification:

STARS Stock Reports are prepared by the equity research analysts of CFRA and its affiliates and subsidiaries. Quantitative Stock Reports are prepared by CFRA. All of the views expressed in STARS Stock Reports accurately reflect the research analyst's personal views regarding any and all of the subject securities or issuers; all of the views expressed in the Quantitative Stock Reports accurately reflect the output of CFRA's algorithms and programs. Analysts generally update STARS Stock Reports at least four times each year. Quantitative Stock Reports are generally updated weekly. No part of analyst, CFRA, CFRA affiliate, or CFRA subsidiary compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in any Stock Report.

About CFRA Equity Research's Distributors:

This Research Report is published and originally distributed by Accounting Research & Analytics, LLC d/b/a CFRA ("CFRA US"), with the following exceptions: In the UK/EU/EEA, it is published and originally distributed by CFRA UK Limited ("CFRA UK"), which is regulated by the Financial Conduct Authority [No. 775151], and in Malaysia by CFRA MY Sdn Bhd [Company No. 683377-A] [formerly known as Standard & Poor's Malaysia Sdn Bhd] ("CFRA Malaysia"), which is regulated by Securities Commission Malaysia, [No. CMSL/A0181/2007] under license from CFRA US. These parties and their subsidiaries maintain no responsibility for reports redistributed by third parties such as brokers or financial advisors.

General Disclosure

Notice to all jurisdictions:

Where Research Reports are made available in a language other than English and in the case of inconsistencies between the English and translated versions of a Research Report, **the English version will control and supersede any ambiguities associated with any part or section of a Research Report that has been issued in a foreign language.** Neither CFRA nor its affiliates guarantee the accuracy of the translation.

Neither CFRA nor its affiliates guarantee the accuracy of the translation. The content of this report and the opinions expressed herein are those of CFRA based upon publicly-available information that CFRA believes to be reliable and the opinions are subject to change without notice. This analysis has not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body. While CFRA exercised due care in compiling this analysis, CFRA AND ALL RELATED ENTITIES SPECIFICALLY DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, to the full extent permitted by law, regarding the accuracy, completeness, or usefulness of this information and assumes no liability with respect to the consequences of relying on this information for investment or other purposes.

No content (including ratings, credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereof (Content) may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of CFRA. The Content shall not be used for any unlawful or unauthorized purposes. CFRA and any third-party providers, as well as their directors, officers, shareholders, employees or agents do not guarantee the accuracy, completeness, timeliness or availability of the Content.

Past performance is not necessarily indicative of future results.

This document may contain forward-looking statements or forecasts; such forecasts are not a reliable indicator of future performance.

This report is not intended to, and does not, constitute an offer or solicitation to buy and sell securities or engage in any investment activity. This report is for informational purposes only. Recommendations in this report are not made with respect to any particular investor or type of investor. Securities, financial instruments or strategies mentioned herein may not be suitable for all investors and this material is not intended for any specific investor and does not take into account an investor's particular investment objectives, financial situations or needs. Before acting on any recommendation in this material, you should consider whether it is suitable for your particular circumstances and, if necessary, seek professional advice.

CFRA may license certain intellectual property or provide services to, or otherwise have a business relationship with, certain issuers of securities that are the subject of CFRA research reports, including exchange-traded investments whose investment objective is to substantially replicate the returns of a proprietary index of CFRA. In cases where CFRA is paid fees that are tied to the amount of assets invested in a fund or the volume of trading activity in a fund, investment in the fund may result in CFRA receiving compensation in addition to the subscription fees or other compensation for services rendered by CFRA, however, no part of CFRA's compensation for services is tied to any recommendation or rating. Additional information on a subject company may be available upon request.

CFRA's financial data provider is S&P Global Market Intelligence. THIS DOCUMENT CONTAINS COPYRIGHTED AND TRADE SECRET MATERIAL DISTRIBUTED UNDER LICENSE FROM S&P GLOBAL MARKET INTELLIGENCE. FOR RECIPIENT'S INTERNAL USE ONLY.

The Global Industry Classification Standard (GICS®) was developed by and/or is the exclusive property of MSCI, Inc. and S&P Global Market Intelligence. GICS is a service mark of MSCI and S&P Global Market Intelligence and has been licensed for use by CFRA.

Other Disclaimers and Notices

Certain information in this report is provided by S&P Global, Inc. and/or its affiliates and subsidiaries (collectively "S&P Global"). Such information is subject to the following disclaimers and notices: "Copyright © 2018, S&P Global Market Intelligence [and its affiliates as applicable]. All rights reserved. Nothing contained herein is investment advice and a reference to a particular investment or security, a credit rating or any observation concerning a security or investment provided by S&P Global is not a recommendation to buy, sell or hold such investment or security or make any other investment decisions. This may contain information obtained from third parties, including ratings from credit ratings agencies. Reproduction and distribution of S&P Global's information and third party content in any form is prohibited except with the prior written permission of S&P Global or the related third party, as applicable. Neither S&P Global nor its third party providers guarantee the accuracy, completeness, timeliness or availability of any information, including ratings, and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such information or content. S&P GLOBAL AND ITS THIRD PARTY CONTENT PROVIDERS GIVE NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE AND ALL S&P INFORMATION IS PROVIDED ON AN AS-IS BASIS. S&P GLOBAL AND ITS THIRD PARTY CONTENT PROVIDERS SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, EXEMPLARY, COMPENSATORY, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES, COSTS, EXPENSES, LEGAL FEES, OR LOSSES (INCLUDING LOST INCOME OR PROFITS AND OPPORTUNITY COSTS OR LOSSES CAUSED BY NEGLIGENCE) IN CONNECTION WITH ANY USE OF THEIR INFORMATION OR CONTENT, INCLUDING RATINGS. Credit ratings are statements of opinions and are not statements of fact or recommendations to purchase, hold or sell securities. They do not address the suitability of securities or the suitability of securities for investment purposes, and should not be relied on as investment advice."

Certain information in this report may be provided by Securities Evaluations, Inc. ("SE"), a wholly owned subsidiary of Intercontinental Exchange. SE is a registered investment adviser with the United States Securities and Exchange Commission [SEC]. SE's advisory services include evaluated pricing and model valuation of fixed income securities, derivative valuations and Odd-Lot Pricing that consists of bid- and ask-side evaluated prices for U.S. Municipal and U.S. Corporate Securities (together called valuation services). Such information is subject to the following disclaimers and notices: "No content (including credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereof (Content) may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of SE. The Content shall not be used for any unlawful or unauthorized purposes. SE and any third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively SE Parties) do not guarantee the accuracy, completeness, timeliness or availability of the Content. SE Parties are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, for the results obtained from the use of the Content, or for the security or maintenance of any data input by the user. The Content is provided on an "as is" basis. SE PARTIES DISCLAIM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION.

Intel Corporation

In no event shall SE Parties be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Content even if advised of the possibility of such damages. Credit-related and other analyses and statements in the Content are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions. SE assumes no obligation to update the Content following publication in any form or format. The Content should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. SE's opinions and analyses do not address the suitability of any security. SE does not act as a fiduciary or an investment advisor. While SE has obtained information from sources it believes to be reliable, SE does not perform an audit and undertakes no duty of due diligence or independent verification of any information it receives. Valuations services are opinions and not statements of fact or recommendations to purchase, hold or sell any security or instrument, or to make any investment decisions. The information provided as part of valuations services should not be intended as an offer, promotion or solicitation for the purchase or sale of any security or other financial instrument nor should it be considered investment advice. Valuations services do not address the suitability of any security or instrument, and securities, financial instruments or strategies mentioned by SE may not be suitable for all investors. SE does not provide legal, accounting or tax advice, and clients and potential clients of valuation services should consult with an attorney and/or a tax or accounting professional regarding any specific legal, tax or accounting provision(s) applicable to their particular situations and in the countries and jurisdictions where they do business. SE has redistribution relationships that reflect evaluated pricing, derivative valuation and/or equity pricing services of other unaffiliated firms with which SE has contracted to distribute to its client base. Pricing and data provided by these third-party firms are the responsibilities of those firms, and not SE, and are produced under those firms' methodologies, policies and procedures. Valuations services provided by SE and products containing valuations services may not be available in all countries or jurisdictions. Copyright © 2018 by Intercontinental Exchange Inc. All rights reserved."

Any portions of the fund information contained in this report supplied by Lipper, A Thomson Reuters Company, are subject to the following: "Copyright © 2018 Thomson Reuters. All rights reserved. Lipper shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon."

For residents of the European Union/European Economic Area:

Research reports are originally distributed by CFRA UK Limited [company number 08456139 registered in England & Wales with its registered office address at 1PD Box 698, Titchfield House, 69-85 Tabernacle Street, London, EC2A 4RR, United Kingdom]. CFRA UK Limited is regulated by the UK Financial Conduct Authority [No. 775151].

For residents of Malaysia:

Research reports are originally produced and distributed by CFRA MY Sdn Bhd [Company No. 683377-A] [formerly known as Standard & Poor's Malaysia Sdn. Bhd] ["CFRA Malaysia"], a wholly-owned subsidiary of CFRA US. CFRA Malaysia is regulated by Securities Commission Malaysia [License No. CMSL/A0181/2007].

For residents of all other countries:

Research reports are originally distributed Accounting Research & Analytics, LLC d/b/a CFRA.

Copyright © 2018 CFRA. All rights reserved. CFRA and STARS are registered trademarks of CFRA.