

Dell Technologies Inc.

Al driving higher backlog, strong growth in ISG; PO to \$116

Reiterate Rating: BUY | PO: 116.00 USD | Price: 94.66 USD

F2H25 to see stronger growth; focus on capital returns

In F4Q24, Dell shipped \$800mn of Al optimized servers in the qtr and backlog nearly doubled q/q to \$2.9bn vs. \$1.6bn exiting the prior qtr. Mgmt. noted that Al optimized server orders grew +40% q/q. H100 GPU lead time is improving, although market demand continues to outpace GPU supply. F4Q24 rev/EPS of \$22.3bn/\$2.20 beat our ests of \$22.2bn/\$1.73 and Street at \$22.2bn/\$1.72, even ex \$0.19 benefit from lower tax rate. While F1Q25 EPS guide of \$1.15 (mid-point) is lower than our/Street prior ests of \$1.47/\$1.40, full year F25 EPS guide of \$7.50 (mid-point) is above our/Street prior ests of \$7.20/\$7.11. Dell announced a 20% increase to annual dividend, well above its long-term framework. We see FCF remaining strong, and DELL remaining focused on shareholder returns. Reiterate Buy on higher capital returns, Al tailwinds, and improving FCF benefiting from negative cash conversion cycle as PC rev continues to grow.

CSG: guides to low-single digit y/y growth for F25

CSG revs declined 12% y/y to \$11.7bn driven by a decline in units. Commercial rev declined 11% y/y, and consumer rev declined 19% y/y. OM came in at 6.2% (+120bps y/y) on higher GM and lower OpEx but offset by decline in rev. The PC market has been experiencing the longest down cycle of 8^{th} consecutive quarters Mgmt. expects to see a recovery in F25 driven by: 1) Windows 11 upgrade and 2) COVID IB approaching its 5^{th} year of service life. CSG revs for F1Q25 and F25 were guided to low-single digits y/y.

ISG: guides mid to-high teens y/y revenue growth

ISG rev declined -6% y/y to \$9.3bn and was +10q/q. Servers and networking revenue grew +4% q/q (-2% y/y). Server order growth was strong with the majority of Aloptimized server orders going into backlog. Storage rev grew 16% q/q (-10% y/y) to \$4.5bn as demand improved q/q across the portfolio above normal seasonality. ISG OM came in at 15.3%. Al optimized server orders increased 40% q/q while backlog nearly doubled q/q. Dell expects ISG revs to grow mid-teens in FY25 driven by Al demand.

Adjusting estimates; PO moves to \$116 (from \$98)

Our F25E rev/EPS move to \$92.3bn/\$7.60, from \$92.6bn/\$7.20. Our PO moves to \$116 (from \$98) on 14x (prior 12x) C25E EPS of \$8.27 (vs. prior \$7.85). We apply a higher multiple on more confidence in growth, strong FCF and continued capital returns.

Estimates (Jan) (US\$)	2023A	2024A	2025E	2026E	2027E
EPS	7.61	7.13	7.60	8.26	9.04
GAAP EPS	3.24	4.35	5.59	6.63	7.57
EPS Change (YoY)	22.3%	-6.3%	6.6%	8.7%	9.4%
Consensus EPS (Bloomberg)			7.11	7.87	NA
DPS	1.32	1.48	1.78	1.96	2.15
Valuation (Jan)					
P/E	12.4x	13.3x	12.5x	11.5x	10.5x
GAAP P/E	29.2x	21.8x	16.9x	14.3x	12.5x
Dividend Yield	1.4%	1.6%	1.9%	2.1%	2.3%
EV / EBITDA*	9.9x	10.5x	8.1x	7.4x	6.9x
Free Cash Flow Yield*	0.8%	8.4%	7.2%	9.0%	9.5%
* For full definitions of <i>IQ</i> method SM measures, see page 6.					

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Refer to important disclosures on page 7 to 9. Analyst Certification on page 5. Price
Objective Basis/Risk on page 5.

Timestamp: 01 March 2024 07:04AM EST

01 March 2024

Equity

Key Changes		
(US\$)	Previous	Current
Price Obj.	98.00	116.00
2025E Rev (m)	92,631.6	92,334.8
2026E Rev (m)	95,341.2	96,181.6
2027E Rev (m)	NA	102,787.3
2025E EPS	7.20	7.60
2026E EPS	7.85	8.26
2027E EPS	NA	9.04
2025E DPS	1.63	1.78

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Stock Data

Price	94.66 USD
Price Objective	116.00 USD
Date Established	1-Mar-2024
Investment Opinion	B-1-7
52-Week Range	35.96 USD - 94.99 USD
Mrkt Val (mn) / Shares Out	70,711 USD / 747.0
(mn)	
Free Float	87.3%
Average Daily Value (mn)	424.62 USD
BofA Ticker / Exchange	DELL / NYS
Bloomberg / Reuters	DELL US / DELL.N
ROE (2025E)	NA
Net Dbt to Eqty (Jan-2024A)	NA
ESGMeter™	High

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to

iQprofile[™] Dell Technologies Inc.

(US\$ Millions)	2023A	2024A	2025E	2026E	2027
Return on Capital Employed	16.1%	15.5%	15.9%	15.2%	15.09
Return on Equity	NM	NM	NM	253.3%	74.79
Operating Margin	8.4%	8.7%	8.6%	9.1%	8.89
Free Cash Flow	562	5,920	5,087	6,340	6,72
i Q method [™] – Quality of Earnings*					
(US\$ Millions)	2023A	2024A	2025E	2026E	2027
Cash Realization Ratio	0.6x	1.7x	1.5x	1.7x	1.7
Asset Replacement Ratio	1.0x	0.8x	0.6x	0.5x	0.5
Tax Rate	20.1%	17.3%	18.0%	24.0%	24.09
Net Debt-to-Equity Ratio	NM	NM	NM	357.9%	106.09
Interest Cover	7.1x	5.1x	8.6x	10.0x	14.5
ncome Statement Data (Jan)					
(US\$ Millions)	2023A	2024A	2025E	2026E	2027
Sales	102,301	88,425	92,335	96,182	102,78
% Change	1.1%	-13.6%	4.4%	4.2%	6.99
Gross Profit	23,427	21,444	21,856	23,093	24,30
% Change	3.3%	-8.5%	1.9%	5.7%	5.39
EBITDA	10,779	10,148	13,253	14,521	15,43
% Change	11.6%	-5.9%	30.6%	9.6%	6.39
Net Interest & Other Income	(1,465)	(1,334)	(1,400)	(1,400)	(1,400
Net Income (Adjusted)	5,735	5,248	5,396	5,577	5,82
% Change	16.5%	-8.5%	2.8%	3.4%	4.5%
US\$ Millions) Net Income from Cont Operations (GAAP)	2023A 9,594	2024A 9,539	2025E 10,552	2026E 11,811	2027 12,555
Depreciation & Amortization	3,156	3,303	5,273	5,782	6,36
Change in Working Capital	(3,188)	961	(1,922)	(1,587)	(2,040
Deferred Taxation Charge	(3,166) NA	NA NA	(1,922) NA	(1,367) NA	(2,040
<u> </u>		INA	INA	INA	
Other Adjustments Not	/E 007\	(F 127)	(E 000)		N
Other Adjustments, Net	(5,997)	(5,127)	(5,808)	(6,534)	N (6,811
Capital Expenditure	(3,003)	(2,756)	(3,008)	(6,534) (3,133)	(6,811 (3,348
Capital Expenditure Free Cash Flow	(3,003) 562	(2,756) 5,920	(3,008) 5,087	(6,534) (3,133) 6,340	(6,811 (3,348 6,72
Capital Expenditure Free Cash Flow % Change	(3,003) 562 -92.5%	(2,756) 5,920 953.4%	(3,008) 5,087 -14.1%	(6,534) (3,133) 6,340 24.6%	(6,811 (3,348 6,72 6.09
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase	(3,003) 562 -92.5% (3,276)	(2,756) 5,920 953.4% (2,442)	(3,008) 5,087 -14.1% (3,800)	(6,534) (3,133) 6,340 24.6% (2,400)	(6,811 (3,348 6,72 6.0 9
Capital Expenditure Free Cash Flow % Change	(3,003) 562 -92.5%	(2,756) 5,920 953.4%	(3,008) 5,087 -14.1%	(6,534) (3,133) 6,340 24.6%	N/ (6,811 (3,348 6,72 6.0% (1,152 (1,389 (6,250
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid	(3,003) 562 -92.5% (3,276) (964)	(2,756) 5,920 953.4% (2,442) (1,072)	(3,008) 5,087 -14.1% (3,800) (1,264)	(6,534) (3,133) 6,340 24.6% (2,400) (1,322)	N/ (6,811 (3,348 6,72 6.0% (1,152 (1,389
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan)	(3,003) 562 -92.5% (3,276) (964)	(2,756) 5,920 953.4% (2,442) (1,072)	(3,008) 5,087 -14.1% (3,800) (1,264)	(6,534) (3,133) 6,340 24.6% (2,400) (1,322)	N, (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions)	(3,003) 562 -92.5% (3,276) (964) 2,654	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677)	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000)	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 2027
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan)	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607	(2,756) 5,920 953.4% (2,442) (1,072) (3,471)	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 2027 5,26)
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) US\$ Millions) Cash & Equivalents	(3,003) 562 -92.5% (3,276) (964) 2,654	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677)	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329 11,542	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 2027 5,260 12,31;
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 2027 5,260 12,31; 22,89.
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482 21,262	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343 19,238	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956 19,537	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329 11,542 21,128	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 2027 5,260 12,31; 22,89. 8,55;
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482 21,262 6,209	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343 19,238 6,432	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956 19,537 7,057	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329 11,542 21,128 7,737	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 2027 5,266 12,31 22,89 8,55 39,71
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482 21,262 6,209 41,051	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343 19,238 6,432 39,710	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956 19,537 7,057 39,710	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329 11,542 21,128 7,737 39,710	N (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 12,31 22,89 8,55 39,71 88,73
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482 21,262 6,209 41,051 89,611	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343 19,238 6,432 39,710 82,089	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956 19,537 7,057 39,710 82,971	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329 11,542 21,128 7,737 39,710 87,445	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 12,31 22,89 8,55 39,71 88,73 6,49
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482 21,262 6,209 41,051 89,611 6,573	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343 19,238 6,432 39,710 82,089 6,982	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956 19,537 7,057 39,710 82,971 6,498	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329 11,542 21,128 7,737 39,710 87,445 6,498	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 12,31 22,89 8,55 39,71 88,73 6,49 42,34
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482 21,262 6,209 41,051 89,611 6,573 45,081	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343 19,238 6,432 39,710 82,089 6,982 41,512	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956 19,537 7,057 39,710 82,971 6,498 41,286	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329 11,542 21,128 7,737 39,710 87,445 6,498 41,850	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 12,31 22,89 8,55 39,71 88,73 6,49 42,34 10,56
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482 21,262 6,209 41,051 89,611 6,573 45,081 23,015	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343 19,238 6,432 39,710 82,089 6,982 41,512 19,012	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956 19,537 7,057 39,710 82,971 6,498 41,286 17,819	(6,534) (3,133) 6,340 24.6% (2,400) (1,322) (1,000) 2026E 7,329 11,542 21,128 7,737 39,710 87,445 6,498 41,850 16,819	N. (6,811 (3,348 6,72 6.09 (1,152 (1,389 (6,250 12,31; 22,89 8,55; 39,71 88,73 (6,49 42,34 10,56 18,18
Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase Cost of Dividends Paid Change in Debt Balance Sheet Data (Jan) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	(3,003) 562 -92.5% (3,276) (964) 2,654 2023A 8,607 12,482 21,262 6,209 41,051 89,611 6,573 45,081 23,015 17,967	(2,756) 5,920 953.4% (2,442) (1,072) (3,471) 2024A 7,366 9,343 19,238 6,432 39,710 82,089 6,982 41,512 19,012 16,892	(3,008) 5,087 -14.1% (3,800) (1,264) (1,677) 2025E 5,711 10,956 19,537 7,057 39,710 82,971 6,498 41,286 17,819 17,431	(6,534) (3,133) 6,340 24,6% (2,400) (1,322) (1,000) 2026E 7,329 11,542 21,128 7,737 39,710 87,445 6,498 41,850 16,819 17,812	N/ (6,811 (3,348 6,72 6.0% (1,152 (1,389

Company Sector

IT Hardware

Company Description

Dell operates two primary business units: Infrastructure Solutions Group (ISG, provides servers, storage, hyper converged infrastructure, and networking), and Client Solutions Group (CSG, provides desktops, notebooks, workstations and displays). It also reports revenues derived from the external VMWare commercial partnership under 'Other' revenues.

Investment Rationale

Our Buy rating is based on broad product portfolio, growth faster than the market, continuing share gains, and opportunity to grow margins over the next several years on higher mix of storage and mix shift to premium configurations in PCs and servers, which offset risks including a slowing global economy, high financial leverage which limits buybacks, and limited shareholder voting rights.

Stock Data

Average Daily Volume

4,485,715

Quarterly Earnings Estimates

	2024	2025
Q1	1.31A	1.20E
Q2	1.74A	1.82E
Q3	1.88A	2.11E
Q4	2.20A	2.50E

* For full definitions of \emph{iQ} method $^{\text{SM}}$ measures, see page 6.

Model

Figure 1: DELL Income Statement Our F25 revenue/EPS are \$92.3bn/\$7.60

		F202				F202							
(\$ Millions Except Per Share Data)	4/23	7/23	10/23	01/24	4/24E	7/24E	10/24E	01/25E	F2023	F2024	F2025E	F2026E	F2027I
Income Statement													
Revenue	20,922	22,934	22,251	22,318	21,498	23,072	23,114	24,651	102,301	88,425	92,335	96,182	102,78
Cost of Goods Sold	15,758	17,398	16,975	16,850	16,695	17,724	17,530	18,529	78,874	66,981	70,479	73,089	78,48
non-GAAP Gross Profit	5,164	5,536	5,276	5,468	4,803	5,347	5,584	6,122	23,427	21,444	21,856	23,093	24,30
Non-GAAP Operating Expense	3,566	3,559	3,312	3,329	3,396	3,406	3,421	3,652	14,790	13,766	13,876	14,354	15,23
non-GAAP R&D	612	625	614	620	601	638	641	685	2,478	2,471	2,566	2,671	2,85
non-GAAP SG&A	2,954	2,934	2,698	2,709	2,795	2,769	2,780	2,967	12,312	11,295	11,310	11,684	12,38
non-GAAP Operating Income (pre-SBC)	1,598	1,977	1,964	2,139	1,407	1,941	2,163	2,469	8,637	7,678	7,980	8,738	9,07
Total Interest and Other Income/(Expense)	(352)	(366)	(322)	(294)	(350)	(350)	(350)	(350)	(1,465)	(1,334)	(1,400)	(1,400)	(1,400
Pretax Income	1,246	1,611	1,642	1,845	1,057	1,591	1,813	2,119	7,172	6,344	6,580	7,338	7,67
Provision for Income Taxes (Credit)	283	328	253	235	190	286	326	381	1,443	1,099	1,184	1,761	1,84
Net Income (Pre Adjustments)	963	1,283	1,389	1,610	867	1,305	1,487	1,738	5,729	5,245	5,396	5,577	5,83
Adjustments (net of tax)	174	178	192	177	143	153	153	184	743	721	633	612	65
Net Income (Post adjustments)	789	1,105	1,197	1,433	724	1,151	1,333	1,554	4,986	4,524	4,762	4,965	5,17
Minority Interest/Adjustments	(3)	(2)	0	2	(1)	(0)	0	0	(6)	(3)	(0)	0	
non gaap NI Attributable to Dell Tech-diluted	966	1,285	1,389	1,608	867	1,305	1,486	1,737	5,735	5,248	5,396	5,577	5,82
Basic EPS (Post Stock-based Comp. Expense)	1.09	1.52	1.66	2.02	0.95	1.50	1.74	2.03	6.79	6.29	6.22	6.48	6.7
Basic EPS (Pre Stock-based Comp. Expense)	1.33	1.77	1.92	2.27	1.13	1.70	1.94	2.27	7.81	7.29	7.04	7.28	7.6
Diluted EPS (Post Stock-based Comp. Expense)	\$1.07	\$1.50	\$1.62	\$1.96	\$1.00	\$1.61	\$1.89	\$2.24	\$6.62	\$6.14	\$6.71	\$7.36	\$8.0
Diluted EPS (Pre Stock-based Comp. Expense)	\$1.31	\$1.74	\$1.88	\$2.20	\$1.20	\$1.82	\$2.11	\$2.50	\$7.61	\$7.13	\$7.60	\$8.26	\$9.0
								,					
Diluted Shares	737	738	740	731	725	715	705	695	753	737	710	675	64!
Income Statement (Cont'd)													
% of Revenues													
	24.7%						24.2%	24.8%	22.9%	24.3%	23.7%	24.0%	23.69
Gross Profit		24.1%	23.7%	24.5%	22.3%	23.2%							
Opex	17.0%	15.5%	14.9%	14.9%	15.8%	14.8%	14.8%	14.8%	14.5%	15.6%	15.0%	14.9%	
Opex R&D	2.9%	15.5% 2.7%	14.9% 2.8%	14.9% 2.8%	15.8% 2.8%	14.8% 2.8%	14.8% 2.8%	2.8%	2.4%	15.6% 2.8%	15.0% 2.8%	2.8%	2.89
Opex R&D SG&A	2.9% 14.1%	15.5% 2.7% 12.8%	14.9% 2.8% 12.1%	14.9% 2.8% 12.1%	15.8% 2.8% 13.0%	14.8% 2.8% 12.0%	14.8% 2.8% 12.0%	2.8% 12.0%	2.4% 12.0%	15.6% 2.8% 12.8%	15.0% 2.8% 12.2%	2.8% 12.1%	2.89 12.09
Opex R&D SG&A EBIT (Pre-options)	2.9% 14.1% 7.6%	15.5% 2.7% 12.8% 8.6%	14.9% 2.8% 12.1% 8.8%	14.9% 2.8% 12.1% 9.6%	15.8% 2.8% 13.0% 6.5%	14.8% 2.8% 12.0% 8.4%	14.8% 2.8% 12.0% 9.4%	2.8% 12.0% 10.0%	2.4% 12.0% 8.4%	15.6% 2.8% 12.8% 8.7%	15.0% 2.8% 12.2% 8.6%	2.8% 12.1% 9.1%	2.89 12.09 8.89
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense	2.9% 14.1% 7.6% 1.1%	15.5% 2.7% 12.8% 8.6% 1.0%	14.9% 2.8% 12.1% 8.8% 1.0%	14.9% 2.8% 12.1% 9.6% 0.9%	15.8% 2.8% 13.0% 6.5% 0.8%	14.8% 2.8% 12.0% 8.4% 0.8%	14.8% 2.8% 12.0% 9.4% 0.8%	2.8% 12.0% 10.0% 0.9%	2.4% 12.0% 8.4% 0.9%	15.6% 2.8% 12.8% 8.7% 1.0%	15.0% 2.8% 12.2% 8.6% 0.8%	2.8% 12.1% 9.1% 0.8%	2.89 12.09 8.89 0.89
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options)	2.9% 14.1% 7.6% 1.1% 6.6%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7%	15.8% 2.8% 13.0% 6.5% 0.8% 5.7%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5%	2.8% 12.0% 10.0% 0.9% 9.1%	2.4% 12.0% 8.4% 0.9% 7.5%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7%	15.0% 2.8% 12.2% 8.6% 0.8% 7.8%	2.8% 12.1% 9.1% 0.8% 8.2%	2.8° 12.0° 8.8° 0.8° 8.0°
Opex R&D S&&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income	2.9% 14.1% 7.6% 1.1% 6.6% 6.0%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3%	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2%	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6%	2.8° 12.0° 8.8° 0.8° 8.0° 7.5°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7%	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9% 18.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3%	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0%	2.8° 12.0° 8.8° 0.8° 8.0° 7.5° 24.0°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 15.4% 5.4%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4%	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9% 18.0% 3.4%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1%	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2%	14.89 2.89 12.09 8.89 0.89 8.09 7.59 24.09 5.09
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7%	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9% 18.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3%	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0%	2.8° 12.0° 8.8° 0.8° 8.0° 7.5° 24.0° 5.0°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 15.4% 6.2%	14.9% 2.8% 12.196 9.696 0.996 8.796 8.396 12.796 6.496 7.296	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9% 18.0% 3.4% 4.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9%	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8%	2.8° 12.0° 8.8° 0.8° 8.0° 7.5° 24.0° 5.0°
Opex R&D S&A SEBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y)	2.9% 14.1% 7.6% 6.6% 6.0% 22.7% 3.8% 4.6%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 15.4% 6.2%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4% 7.2%	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9% 18.0% 3.4% 4.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9%	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8%	2.8t 12.0c 8.8t 0.8t 8.0c 7.5c 24.0c 5.0c 5.7c
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 4.8% 5.6%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 5.4% 6.2%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4% 7.2%	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9% 18.0% 3.4% 4.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9%	15.0% 2.8% 12.2% 8.6% 0.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8%	2.8' 12.0' 8.8' 0.8' 8.0' 7.5' 24.0' 5.0' 5.7'
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6%	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 5.4% 6.2%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4% 7.2%	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9% 18.0% 3.4% 4.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9%	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8%	2.84 12.00 8.86 0.86 8.00 7.55 24.00 5.00 5.70
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6% (13%) (13%) (4%)	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 15.4% 5.4% 6.2% (10%) (10%) (5%) 2%	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (11%) (12%) (12%)	15.8% 2.8% 13.0% 6.5% 6.5% 4.9% 18.0% 3.4% 4.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9% (14%) (14%) (7%) (0%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8%	2.8' 12.0' 8.8' 0.8' 8.0' 7.5' 24.0' 5.0' 5.7' 7' 6' 6' 7'
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) **Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%)	14.9% 2.8% 12.1% 8.8% 1.0% 7.4% 15.4% 6.2% (10%) (10%) (5%) 2% (6%)	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (12%) (12%) (12%) (13%)	15.8% 2.8% 13.0% 6.5% 6.5% 6.8% 4.9% 18.0% 3.4% 4.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 6.4% 4% 4% 4% 4% 4% 3%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (0%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3%	2.8° 12.0° 8.8° 0.8° 8.0° 7.5° 24.0° 5.7° 7° 6° 7° 6°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Op. Income (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 20.4% 4.8% 5.6% (13%) (4%) (13%) (4%) 11% (6%)	14.9% 2.8% 12.1% 8.8% 1.0% 7.4% 15.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%)	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 6.4% 7.2% (11%) (12%) (12%) (12%) (13%) (13%) (19%)	15.8% 2.8% 13.0% 6.5% 0.8% 5.7% 4.9% 18.0% 3.4% 4.0%	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 6.4% 4% 4% 3% 4% 3% 4% 3% 10%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6%	15.6% 2.8% 12.8% 8.7% 1.0% 7.2% 17.3% 5.1% 5.9% (14%) (14%) (7%) (0%) (8%) (11%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 10%	2.8° 12.0° 8.8° 0.8° 8.0° 7.55 24.0° 5.7° 7′ 6° 6° 4°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) **Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Pretax Income (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%) (30%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%) 1% 2%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 5.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%)	14.9% 2.8% 12.1% 9.6% 8.7% 8.3% 12.7% 6.4% 6.4% 6.4% (11%) (12%) (12%) (12%) (12%) (13%) (13%) (13%)	15.8% 2.8% 13.0% 6.5% 6.5% 5.7% 4.9% 18.0% 3.4% 4.0% 3% (5%) (2%) (5%) (12%) (15%)	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.7% 1% (4%) 2% (6%) (2%) (1%)	14.8% 2.8% 12.0% 9.4% 9.4% 0.8% 8.5% 7.8% 6.4% 4% 3% 4% 3% 4% 3% 10% 10%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6%	15.6% 2.8% 12.8% 8.7% 1.0% 7.2% 17.3% 5.1% 5.9% (14%) (14%) (7%) (0%) (8%) (11%) (11%) (12%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.1% 18.0% 5.2% 5.8% 496 496 0% 496 0% 496	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 6% 10% 10%	2.8° 12.0° 8.88° 8.0° 7.5° 24.0° 5.0° 5.7° 7° 6° 4°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Pretax Income (Y/Y) Net Income (yre-SBC) (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%) (30%) (33%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%) 11% (6%) 11%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 5.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%) (19%)	14.9% 2.8% 12.1% 9.6% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (12%) (12%) (12%) (13%) (1%) (13%) (1%)	15.8% 2.8% 13.0% 6.5% 6.5% 6.5% 4.9% 18.0% 3.4% 4.0% 3% (5%) (2%) (2%) (5%) (12%) (15%) (15%) (10%)	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.7% 1% (4%) 2% (6%) (2%) (1%) 2%	14.8% 2.8% 12.0% 9.4% 9.4% 6.8% 8.5% 7.8% 18.0% 5.8% 6.4% 4% 3.9% 4% 3.9% 10% 7%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6% 1% (1%) 9% (3%) 11% 18% 16%	15.6% 2.8% 12.8% 8.7% 1.0% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (8%) (11%) (12%) (8%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 10% 12% 3%6	2.8° 12.0° 8.88° 8.0° 7.5° 24.0° 5.0° 7° 6° 4° 5° 5°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Net Income (Pre-SBC) (Y/Y) Op. EPS (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%) (30%) (33%) (33%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%) 11% (6%) 1% 5%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%) (19%) (20%)	14.9% 2.8% 12.1% 9.6% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (12%) (12%) (12%) (13%) (19%) 3% 2.2% 2.5%	15.8% 2.8% 13.0% 6.5% 6.5% 4.9% 18.0% 3.4% 4.0% 3% (5%) (2%) (5%) (12%) (15%) (15%) (15%)	14.8% 2.8% 12.0% 8.4% 6.9% 18.0% 5.0% 5.7% 1% (4%) 2% (6%) (2%) (1%) 296 77%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4% 4% 4% 3% 4% 3% 10% 10% 10% 17%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6% 1% 1% (1%) 9% (3%) 11% 18% 16% 77%	15.6% 2.8% 12.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (8%) (11%) (12%) (12%) (12%) (12%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8% 4% 4% 4% 0% 4% 4% 0% 4% 9%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 4% 4% 4% 3% 10% 10%	2.89 12.00 8.89 0.89 7.59 24.00 5.09 7.79 69 49 59 99
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Pretax Income (Y/Y) Net Income (yre-SBC) (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%) (30%) (33%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%) 11% (6%) 11%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 5.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%) (19%)	14.9% 2.8% 12.1% 9.6% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (12%) (12%) (12%) (13%) (1%) (13%) (1%)	15.8% 2.8% 13.0% 6.5% 6.5% 6.5% 4.9% 18.0% 3.4% 4.0% 3% (5%) (2%) (2%) (5%) (12%) (15%) (15%) (10%)	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.7% 1% (4%) 2% (6%) (2%) (1%) 2%	14.8% 2.8% 12.0% 9.4% 9.4% 6.8% 8.5% 7.8% 18.0% 5.8% 6.4% 4% 3.9% 4% 3.9% 10% 7%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6% 1% (1%) 9% (3%) 11% 18% 16%	15.6% 2.8% 12.8% 8.7% 1.0% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (8%) (11%) (12%) (8%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 10% 12% 3%6	2.8° 12.0° 8.8° 0.8° 8.0° 7.5° 24.0° 5.0° 6° 6° 44° 5° 9°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Pretax Income (Y/Y) Net Income (Y/Y) Net Income (pre-SBC) (Y/Y) Op. EPS (Y/Y) Op. EPS (Y/Y) Op. EPS Option adj (Y/Y) Diluted Shares (Y/Y)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%) (30%) (33%) (33%) (29%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%) 11% (6%) 11% 4.8%	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%) (19%) (20%) (20%) (20%)	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (12%) (12%) (13%) (14%) 3.2% 2.2%	15.8% 2.8% 13.0% 6.5% 6.5% 6.8% 5.7% 4.9% 18.0% 3.4% 4.0% 3% (5%) (2%) (5%) (12%) (12%) (10%) (10%) (10%) (10%)	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7% 1% (4%) 29% (6%) (2%) (1%) 29% 77%	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4% 3% 4% 3% 10% 10% 10% 10% 17% 12%	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6% 1% 1% (1%) 9% (3%) 11% 18% 16% 77% 22%	15.6% 2.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (8%) (11%) (19%) (8%) (11%) (8%) (19%) (6%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 10% 12% 3% 10% 9%	2.8° 12.0° 8.8° 0.8° 8.0° 7.5° 24.0° 5.7° 7° 6° 44° 5° 9°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Pretax Income (Y/Y) Net Income (pre-SBC) (Y/Y) Op. EPS (Y/Y) Op. EPS (Y/Y) Op. EPS (Y/Y) Op. EPS Option adj (Y/Y) Diluted Shares (Y/Y) Revenues (Q/Q)	2.9% 14.1% 7.6% 1.1% 66% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%) (30%) (33%) (29%) (6%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 4.8% 5.6% (13%) (4%) 11% (6%) 11% (6%) 11% 5% 4% (2%)	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 15.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%) (19%) (19%) (20%) (18%) (0%)	14.9% 2.8% 12.1% 9.6% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (12%) (12%) (13%) (19%) 3% 22% 22% 22% (11%)	15.8% 2.8% 13.0% 6.5% 6.5% 6.5% 18.0% 3.4% 4.0% 3% (5%) (2%) (5%) (15%) (15%) (10%) (7%) (10%) (7%)	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7% 1% (4%) 2% (6%) (2%) (1%) 29 (7% 5% (3%)	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4% 4% 3% 4% 3% 10% 7% 17% 12% (5%)	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0%	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6% 1% 1% (1%) 9% (3%) 11% 18% 16% 77% 22%	15.6% 2.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (8%) (11%) (19%) (8%) (11%) (8%) (19%) (6%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 10% 12% 3% 10% 9%	2.8° 12.0° 8.8° 0.8° 8.0° 7.5° 24.0° 5.7° 7° 6° 44° 5° 9°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Net Income (PYY) Net Income (PYY) Net Income (PYY) Net Income (PYY) Net Society Op. EPS (Y/Y) Op. EPS (Y/Y) Op. EPS Option adj (Y/Y) Diluted Shares (Y/Y) Revenues (Q/Q) Opex (Q/Q)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%) (30%) (33%) (33%) (29%) (6%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%) 1% 5% 4% (2%)	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%) (20%) (19%) (20%) (18%) (0%)	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (12%) (12%) (12%) (13%) (12%) (13%) (19%) 3% 2.2% 2.2% 2.2% 2.2% 2.2% 1.2%	15.8% 2.8% 13.0% 6.5% 6.5% 4.9% 18.0% 3.4% 4.0% 3% (5%) (2%) (5%) (12%) (15%) (10%) (7%) (9%) (2%)	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 1% (4%) 2% (6%) (2%) (2%) (2%) (1%) 2% 5.0% (3%)	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4% 4% 4% 3% 40% 10% 10% 10% 17% 12% (5%)	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0% 10% 10% 10% 10% 15% 15% 8% 14% (5%)	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6% 1% 1% (1%) 9% (3%) 11% 18% 16% 77% 22%	15.6% 2.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (8%) (11%) (19%) (8%) (11%) (8%) (19%) (6%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 10% 12% 3% 10% 9%	2.8° 12.0° 8.8° 0.8° 8.0° 7.5° 24.0° 5.7° 7° 6° 44° 5° 9°
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Pretax Income (Y/Y) Net Income (Y/Y) Op. EPS (Y/Y) Op. EPS (Y/Y) Op. EPS (Y/Y) Op. EPS (Dytion adj (Y/Y) Diluted Shares (Y/Y) Revenues (Q/Q) Opex (Q/Q) R&D (Q/Q) R&D (Q/Q)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) (33%) (25%) (30%) (33%) (29%) (6%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%) 11% 2% 14% (2%)	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%) (29%) (18%) (0%)	14.9% 2.8% 12.1% 9.6% 9.6% 0.9% 8.7% 8.3% 6.4% 7.2% (11%) (12%) (12%) (12%) (13%) (19%) 3% 2.2% 2.2% (11%)	15.8% 2.8% 13.0% 6.5% 6.5% 5.7% 4.9% 18.0% 3.4% 4.0% (5%) (5%) (12%) (15%) (15%) (15%) (15%) (2%) (2%)	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 5.7% 1% (4%) 2% (6%) (2%) (1%) 2% 7% (3%)	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 6.4% 4% 4% 3% 4% 3% 10% 10% 10% (5%)	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0% 10% 10% 10% 15% 15% 8% 14% (5%)	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6% 1% 1% (1%) 9% (3%) 11% 18% 16% 77% 22%	15.6% 2.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (8%) (11%) (19%) (8%) (11%) (8%) (19%) (6%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 10% 12% 3% 10% 9%	2.89 12.09 8.89 0.89 8.09 7.59 24.09
Opex R&D SG&A EBIT (Pre-options) Stock Based Compensation Expense EBIT (Post-options) Pretax Income Tax Rate Net Income (Operating) Net Income (Operating, options adjusted) % Growth Rates Revenues (Y/Y) Organic Growth (Y/Y) Opex (Y/Y) R&D (Y/Y) SG&A (Y/Y) Op. Income (Y/Y) Net Income (PYY) Net Income (PYY) Net Income (PYY) Net Income (PYY) Net Society Op. EPS (Y/Y) Op. EPS (Y/Y) Op. EPS Option adj (Y/Y) Diluted Shares (Y/Y) Revenues (Q/Q) Opex (Q/Q)	2.9% 14.1% 7.6% 1.1% 6.6% 6.0% 22.7% 3.8% 4.6% (20%) (20%) (6%) 1% (8%) (25%) (30%) (33%) (33%) (29%) (6%)	15.5% 2.7% 12.8% 8.6% 1.0% 7.6% 7.0% 20.4% 4.8% 5.6% (13%) (4%) 11% (6%) 1% 5% 4% (2%)	14.9% 2.8% 12.1% 8.8% 1.0% 7.8% 7.4% 6.2% (10%) (10%) (5%) 2% (6%) (17%) (19%) (20%) (19%) (20%) (18%) (0%)	14.9% 2.8% 12.1% 9.6% 0.9% 8.7% 8.3% 12.7% 6.4% 7.2% (11%) (12%) (12%) (12%) (13%) (12%) (13%) (19%) 3% 2.2% 2.2% 2.2% 2.2% 2.2% 1.2%	15.8% 2.8% 13.0% 6.5% 6.5% 4.9% 18.0% 3.4% 4.0% 3% (5%) (2%) (5%) (12%) (15%) (10%) (7%) (9%) (2%)	14.8% 2.8% 12.0% 8.4% 0.8% 7.6% 6.9% 18.0% 5.0% 1% (4%) 2% (6%) (2%) (2%) (2%) (1%) 2% 5.0% (3%)	14.8% 2.8% 12.0% 9.4% 0.8% 8.5% 7.8% 18.0% 5.8% 6.4% 4% 4% 3% 40% 10% 10% 10% 17% 12% (5%)	2.8% 12.0% 10.0% 0.9% 9.1% 8.6% 18.0% 6.3% 7.0% 10% 10% 10% 10% 15% 15% 8% 14% (5%)	2.4% 12.0% 8.4% 0.9% 7.5% 7.0% 20.1% 4.9% 5.6% 1% 1% (1%) 9% (3%) 11% 18% 16% 77% 22%	15.6% 2.8% 8.7% 1.0% 7.7% 7.2% 17.3% 5.1% 5.9% (14%) (7%) (0%) (8%) (11%) (19%) (8%) (11%) (8%) (19%) (6%)	15.0% 2.8% 12.2% 8.6% 0.8% 7.8% 7.1% 18.0% 5.2% 5.8% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 4%	2.8% 12.1% 9.1% 0.8% 8.2% 7.6% 24.0% 5.2% 5.8% 4% 4% 3% 4% 3% 10% 12% 3% 10% 9%	2.89 12.09 8.89 0.89 8.09 7.59 24.09 5.79 79 69 49 59 99

Source: Company reports, BofA Global Research estimates

BofA GLOBAL RESEARCH



Abbreviations

CSG: Client Solutions Group

ISG: Infrastructure Solutions Group

FCF: Free Cash Flow

GM: Gross Margin

OM: Operating Margin

n-t: Near-Term

I-t: Long-Term

ASP: Average Sell Prices



Price objective basis & risk

Dell Technologies Inc. (DELL)

Our PO of \$116 is based on approximately 14x our C25 EPS estimate of \$8.27. Our target multiple compares to median 5x of historical range 3x-8x for Dell since it returned to the public markets in 2019. Dell went private in 2013 and prior to that the company had a very different structure. As such, we do not believe earlier historical trading multiples are meaningful. In our opinion, a multiple higher than the historical range is warranted given improved storage portfolio, lower financial leverage and it balances opportunities to invest in core areas of growth, with ongoing weak macro and component shortages.

Downside risks: faster-than-expected slowdown in the global economy, which could prove to be a headwind to revenue growth, faster-than-expected strengthening of the U.S. dollar, trade war with China, and higher-than-expected tariffs, Dell not being able to source needed processors from Intel, new sales teams not being able to ramp as expected, and unexpected share loss to competitors.

Upside risks: faster-than-expected revenue growth and market share gain, faster mix shift to storage and premium PC and server configurations, which can drive upside to margins, faster-than-expected ramp of new sales teams, and component shortages normalizing more quickly than expected, which can drive upside to cash flow.

Analyst Certification

I, Wamsi Mohan, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

US - IT Hardware and Technology Supply Chain Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Amphenol	APH	APH US	Wamsi Mohan
	Apple Inc.	AAPL	AAPL US	Wamsi Mohan
	Corning Inc.	GLW	GLW US	Wamsi Mohan
	Dell Technologies Inc.	DELL	DELL US	Wamsi Mohan
	Flex Ltd.	FLEX	FLEX US	Ruplu Bhattacharya
	HP Inc.	HPQ	HPQ US	Wamsi Mohan
	International Business Machines Corp.	IBM	IBM US	Wamsi Mohan
	Jabil Inc.	JBL	JBL US	Ruplu Bhattacharya
	Nutanix Inc	NTNX	NTNX US	Wamsi Mohan
	Roku, Inc.	ROKU	ROKU US	Ruplu Bhattacharya
	Seagate Technology	STX	STX US	Wamsi Mohan
	Super Micro Computer Inc.	SMCI	SMCI US	Ruplu Bhattacharya
	TD Synnex Corp	SNX	SNX US	Ruplu Bhattacharya
	TE Connectivity Ltd.	TEL	TEL US	Wamsi Mohan
	Western Digital Corporation	WDC	WDC US	Wamsi Mohan
NEUTRAL				
	Arrow Electronics Inc.	ARW	ARW US	Ruplu Bhattacharya
	Avnet Inc.	AVT	AVT US	Ruplu Bhattacharya
	CDW Corp	CDW	CDW US	Ruplu Bhattacharya
	Concentrix Corporation	CNXC	CNXC US	Ruplu Bhattacharya
	Hewlett-Packard Enterprise	HPE	HPE US	Wamsi Mohan
	Pure Storage	PSTG	PSTG US	Wamsi Mohan
	Sensata Technologies Holdings Plc	ST	ST US	Wamsi Mohan
	Teradata Corporation	TDC	TDC US	Wamsi Mohan



US - IT Hardware and Technology Supply Chain Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
UNDERPERFORM				
	DigitalOcean	DOCN	DOCN US	Wamsi Mohan
	NetApp Inc.	NTAP	NTAP US	Wamsi Mohan
	Sanmina Corporation	SANM	SANM US	Ruplu Bhattacharya
	Vishay Intertechnology, Inc.	VSH	VSH US	Ruplu Bhattacharya

Pmethod[™] Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) × (1 - Tax Rate) + Goodwill Amortization	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill
		Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations — Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt - Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt +	Sales
	Other LT Liabilities	
EV / EBITDA	Enterprise Value	Basic EBIT + Depreciation + Amortization

Method 345 is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

Relatabase* is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.

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Disclosures

Important Disclosures

Dell Inc. (DELL) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

Equity Investment Rating Distribution: Technology Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	215	53.09%	Buy	111	51.63%
Hold	97	23.95%	Hold	45	46.39%
Sell	93	22.96%	Sell	24	25.81%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster^{R2}

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Inderperform	N/A	≥ 20%

R2Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Price Charts for the securities referenced in this research report are available on the Price Charts website, or call 1-800-MERRILL to have them mailed.

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BofAS or an affiliate has received compensation from the issuer for non-investment banking services or products within the past 12 months: Dell Technologies.

The issuer is or was, within the last 12 months, a non-securities business client of BofAS and/or one or more of its affiliates: Dell Technologies.

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the report: Dell Technologies.

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