

Western Digital Corporation

Takeaways from investor meetings with CEO & CFO

Maintain Rating: BUY | PO: 70.00 USD | Price: 64.30 USD

All signs pointing to a strong cyclical recovery

We hosted investor meetings with WDC CEO, David Goeckeler; CFO, Wissam Jabre; and VP, Financial Planning, Analysis & IR, Peter Andrew in New York 2/28-2/29 and walked away increasingly comfortable that several positive catalysts lie ahead for shares of WDC. In particular we see (1) Continuing progress towards a separation of the HDD and Flash business that should unlock shareholder value, (2) improving Nearline demand that should continue to drive HDD gross margins higher, (3) confidence that UltraSMR can effectively compete against HAMR through high 30TBs capacity ranges, (4) Flash capacity investments to remain constrained at least until 35-37% gross margins are exceeded, (5) WDC (storage) can be a second order beneficiary of Al. Maintain Buy.

HDD margins have a lot of runway

Mgmt. noted that using ePMR and UltraSMR could allow WDC to scale to the upper 30TBs range and expect their solution to be cost advantaged relative to similar capacity HAMR drives. Given the capacity reductions (assembly) and recovering demand from Cloud, HDD gross margins have significant room for upside. Given the lack of headwinds posed by declining client drives (through most of the last decade), there is room for the HDD industry to realize much better long-term returns. With gross margins already approaching close to 30% (ex-underutilization charges), in our opinion gross margins could exceed 35% as revenues continue to recover from depressed levels.

Disciplined approach to managing Flash capacity

Mgmt remains very deliberate in ensuring that incremental capacity will not be added in Flash until 35-37% gross margins are exceeded for a couple of qtrs with TTM margins tracking roughly 10 points below. Given the significant industry wide capacity rationalization, we view a multi-qtr recovery in flash margins as a high probability event with margins exceeding the last peak.

Analyst day to discuss cap structure of separate entities

Closer to the separation of the HDD and Flash businesses, WDC will hold an analyst day to discuss the capital structure and long term views for the growth and margin profiles. In our opinion HDD's could see operating margins in the high teens and Flash could see a mid to high teens operating margin based on overall gross margin trends.

Estimates (Jun) (US\$)	2022A	2023A	2024E	2025E	2026E
EPS	8.22	(3.58)	(1.10)	6.88	9.21
GAAP EPS	4.74	(5.42)	(2.20)	5.59	7.77
EPS Change (YoY)	81.1%	NM	69.3%	NM	33.9%
Consensus EPS (Bloomberg)			(1.68)	5.93	5.67
DPS	0	0	0	0	0
Valuation (Jun)					
P/E	7.8x	NM	NM	9.3x	7.0x
GAAP P/E	13.6x	NM	NM	11.5x	8.3x
EV / EBITDA*	6.5x	115.0x	23.6x	6.3x	5.4x
Free Cash Flow Yield*	3.3%	-5.8%	2.5%	8.2%	14.2%

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Refer to important disclosures on page 6 to 8. Analyst Certification on page 4. Price
Objective Basis/Risk on page 4.

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Stock Data

Price

 Price Objective
 70.00 USD

 Date Established
 25-Jan-2024

 Investment Opinion
 C-1-9

 52-Week Range
 31.97 USD - 64.54 USD

 Mrkt Val (mn) / Shares Out (mn)
 20,849 USD / 324.2

 Free Float
 99.4%

 Average Daily Value (mn)
 506.94 USD

64 30 USD

BofA Ticker / Exchange WDC / NAS
Bloomberg / Reuters WDC US / WDC.OQ
ROE (2024E) -3.1%

 Net Dbt to Eqty (Jun-2023A)
 43.1%

 ESGMeter™
 High

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iQprofile[™] Western Digital Corporation

<i>iQ</i> method SM − Bus Performance*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Return on Capital Employed	13.1%	-2.6%	0.9%	12.6%	15.0%
Return on Equity	22.7%	-9.5%	-3.1%	18.8%	20.7%
Operating Margin	17.0%	-4.8%	1.6%	20.3%	22.4%
Free Cash Flow	682	(1,201)	524	1,703	2,954
iQmethod SM − Quality of Earnings*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Cash Realization Ratio	0.7x	NM	NM	1.1x	1.2x
Asset Replacement Ratio	1.3x	1.0x	0.2x	0.7x	0.7x
Tax Rate	11.0%	NM	NM	15.3%	15.2%
Net Debt-to-Equity Ratio	38.4%	43.1%	41.5%	22.0%	1.5%
Interest Cover	12.0x	-2.1x	0.5x	9.1x	12.8x
Income Statement Data (Jun)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Sales	18,793	12,318	12,594	15,529	18,059
% Change	11.1%	-34.5%	2.2%	23.3%	16.3%
Gross Profit	6,188	1,938	2,532	5,728	6,980
% Change	28.1%	-68.7%	30.7%	126.2%	21.9%
EBITDA	4,115	234	1,140	4,281	5,028
% Change	32.0%	-94.3%	387.0%	275.6%	17.5%
Net Interest & Other Income	(265)	(288)	(366)	(348)	(315)
Net Income (Adjusted)	2,600	(1,143)	(360)	2,324	3,112
% Change	85.0%	NM	68.5%	NM	33.9%
Free Cash Flow Data (Jun) (US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Net Income from Cont Operations (GAAP)	2,599	(1,143)	(360)	2,325	3,113
Depreciation & Amortization	929	828	943	1,127	981
Change in Working Capital	(1,075)	90	379	(699)	(193)
Deferred Taxation Charge	114	(34)	(46)	0	0
Other Adjustments, Net	(687)	(149)	(201)	(273)	(281)
Capital Expenditure	(1,198)	(793)	(191)	(776)	(665)
Free Cash Flow	682	-1,201	524	1,703	2,954
% Change	-39.4%	NM	NM	224.8%	73.4%
Share / Issue Repurchase	32	894	(15)	0	0
Cost of Dividends Paid	0	0	0	0	0
Change in Debt	(1,727)	0	857	(1,000)	(1,000)
Balance Sheet Data (Jun)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Cash & Equivalents	2,327	2,023	3,225	3,929	5,645
Trade Receivables	2,804	1,598	1,757	2,006	2,341
Other Current Assets	4,322	4,265	3,092	3,847	4,195
	7,522				0.070
Property, Plant & Equipment	3,670	3,620	2,806	2,412	2,2/3
		3,620 12,923	2,806 13,248	2,412 13,444	
Property, Plant & Equipment	3,670				13,668
Property, Plant & Equipment Other Non-Current Assets	3,670 13,136 26,259 0	12,923	13,248	13,444	13,668 28,123
Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities	3,670 13,136 26,259 0 4,557	12,923 24,429 1,213 4,221	13,248 24,129 1,042 3,600	13,444 25,637 1,042 3,852	13,668 28,123 1,042 4,284
Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt	3,670 13,136 26,259 0 4,557 7,022	12,923 24,429 1,213 4,221 5,857	13,248 24,129 1,042 3,600 6,851	13,444 25,637 1,042 3,852 5,851	13,668 28,123 1,042 4,284 4,851
Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	3,670 13,136 26,259 0 4,557 7,022 2,459	12,923 24,429 1,213 4,221 5,857 1,415	13,248 24,129 1,042 3,600 6,851 1,397	13,444 25,637 1,042 3,852 5,851 1,397	13,668 28,123 1,042 4,284 4,851 1,397
Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities Total Liabilities	3,670 13,136 26,259 0 4,557 7,022 2,459 14,038	12,923 24,429 1,213 4,221 5,857 1,415 12,706	13,248 24,129 1,042 3,600 6,851 1,397 12,890	13,444 25,637 1,042 3,852 5,851 1,397 12,142	13,668 28,123 1,042 4,284 4,851 1,397 11,574
Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	3,670 13,136 26,259 0 4,557 7,022 2,459	12,923 24,429 1,213 4,221 5,857 1,415	13,248 24,129 1,042 3,600 6,851 1,397	13,444 25,637 1,042 3,852 5,851 1,397	4,851

Company Sector

IT Hardware

Company Description

Western Digital Corporation (WDC) designs, manufactures and markets hard disk drives for use in enterprise storage, servers, desktop and laptop computers, and consumer electronic devices. It also has a growing solid state drive and storage systems portfolio, and is currently the third largest enterprise SSD manufacturer. The company sells its products directly to OEMs, as well as distributors and retailers and its production capabilities are vertically integrated.

Investment Rationale

WDC should benefit from share gains in the Enterprise Capacity/Nearline HDD market and from more stability in the NAND market. We see the stock as inexpensive at current levels. Buy.

Stock Data

Average Daily Volume 7,883,998

Quarterly Earnings Estimates

	2023	2024
Q1	0.20A	-1.76A
Q2	-0.42A	-0.69A
Q3	-1.37A	0.14E
Q4	-1.98A	1.14E





Price objective basis & risk

Western Digital Corporation (WDC)

Our PO of \$70 is based on 9x C25E EPS of \$8.16. This multiple is inline with the HDD/SSD historical average of 9x, which we view as justified as it balances near-term sluggish end markets offset by longer-term improving trajectory of the business both in HDDs and in NAND. WD is a cyclical company. Near-term estimates are lower given lower demand from weaker macro.

Downside risks are: (1) unit declines in desktops and notebooks (2) worse than expected high-capacity HDD industry, (3) faster declines in NAND Flash pricing, (4) higher NAND manufacturing cost from either stronger Yen, or manufacturing yield issues, (5) lower royalty revenue from NAND licensing, (6) degradation of cash position and lower free cash flow and (7) failure of strategic actions to drive incremental value

Upside risks are: (1) significant pickup in high capacity/nearline HDDs, which could drive ASPs and gross margin higher, (2) share gains in enterprise NAND flash SSDs, (3) consumer PC refresh cycle, (4) improved free cash flow generation and faster debt pay down and (5) strategic options that drive the stock higher.

Analyst Certification

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US - IT Hardware and Technology Supply Chain Coverage Cluster

nvestment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Amphenol	APH	APH US	Wamsi Mohan
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	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
IEUTRAL				
	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
INDERPERFORM				
	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

US - IT Hardware and Technology Supply Chain Coverage Cluster

Investment rating Company BofA Ticker Bloomberg symbol Analyst

*i***@**method[™] 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

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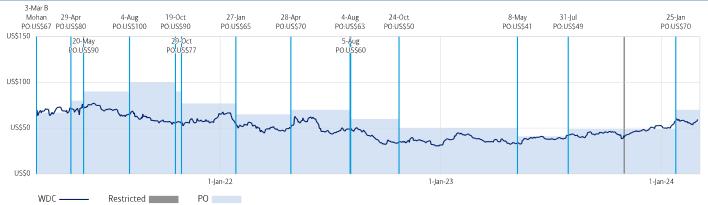
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Western Digital (WDC) Price Chart



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%

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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%

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