

# DoorDash

# Shift to New Verticals limits near-term profit upside, supports L.T. growth; Buy

Reiterate Rating: BUY | PO: 139.00 USD | Price: 126.27 USD

#### DASH beats across most metrics; EBITDA in-line

Reported Rev/EBITDA of \$2.30bn/\$363mn vs. Street at \$2.24bn/\$356mn. Gross Margin at 48.5% was below Street at 48.8%, and EBITDA margin at 15.8% was 10bps below Street. 1Q GOV guide of \$18.5bn-18.9bn was above Street at \$18.6bn, and 1Q EBITDA guide at \$320-380mn bracketed Street at \$360mn. FY24 guide for \$74-78bn in GOV bracketed Street at \$76.5bn, and EBITDA guide for \$1.5bn-\$1.9bn bracketed at \$1.6b.

#### Impressive Shift to New Verticals is N.T. margin headwind

Although bulls had high hopes for FY24 EBITDA guide, we were pleasantly surprised with \$1.9bn on upper end (in our preview we suggested \$1.5b-\$1.75b was likely), particularly given the recent deceleration in Online Restaurant growth. Despite the decel. DASH is maintaining its high growth profile with a mix-shift to New Verticals and Int'l, which is a margin headwind. Mgmt disclosed that New Verticals' order growth has accelerated for 3 straight quarters; DASH is likely to outgrow rest of industry in New Verticals in '24.

#### **Estimate Changes: Raising 2024E EBITDA substantially**

Our forward GOV ests. are mostly unchanged, but revenue is higher on take rate improvement (efficiency, ads) which flows through to Gross Margin. We also model additional leverage in S&M, starting in 3Q'24. For 1Q'24E, we leave Marketplace GOV unchanged at \$18.97bn, raise Revenue by 1% to \$2.47bn, and raise EBITDA estimate by 3% to \$376mn. For 2025E (important for valuation), we raise GOV/Revenue/EBITDA to \$89.3bn/\$11.97bn/\$2.17bn vs. \$89.1bn/\$11.58bn/\$1.52bn prior.

### **Expectations were high, but still strong growth + margin**

DASH suffered from high expectations, with bulls looking for \$2.0bn+ for the upper-end of FY24 guidance. We estimate DASH already reached \$2bn in Core US Restaurant EBITDA in 2023, but with various investment areas in grocery, retail, and international, near-term company-wide incremental margins don't have the upside of others in the peer group (UBER at 7%+, DASH at 5%). That said, DASH still carries a strong growth and margin profile relative to peers, likely exiting 2024 with a 20%+ EBITDA margin on revenue (and FCF exceeded EBITDA this Q). We switch valuation basis from Core US Restaurant to Total Revenue based on comp group of FANG + Uber. With DASH at above avg. growth (17.5% avg. for '24-'25, comps at 14.5%) we select a slight premium to comps at 4.8x 2025E revenue. Our 5x multiple gets us to \$139 PO. Reiterate Buy.

Estimates (Dec) (US\$)	2022A	2023A	2024E	2025E	2026E
EPS	(3.67)	(1.43)	0.05	0.40	0.80
EPS Change (YoY)	-164.0%	61.0%	NM	700.0%	100.0%
Consensus EPS (Bloomberg)			0.90	1.60	2.51
DPS	0	0	0	0	0
Valuation (Dec)					
P/E	NM	NM	2,525.4x	315.7x	157.8x
EV / EBITDA*	119.6x	36.4x	23.5x	19.9x	17.3x
Free Cash Flow Yield*	0.4%	3.3%	3.3%	4.6%	4.9%
* For full definitions of <i>IQ</i> method <sup>≤M</sup> 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: 16 February 2024 02:52AM EST

#### 16 February 2024

#### Equity

Key Changes		
(US\$)	Previous	Current
Price Obj.	119.00	139.00
2024E Rev (m)	10,080.0	10,371.3
2025E Rev (m)	11,577.1	11,966.4
2026E Rev (m)	13,181.1	13,410.9
2024E EPS	-1.48	0.05
2025E EPS	-1.37	0.40
2026E EPS	0.11	0.80

#### Michael McGovern

Research Analyst BofAS +1 415 676 3520 mmcgovern@bofa.com

Justin Post Research Analyst BofAS justin.post@bofa.com

#### **Stock Data**

Price	126.27 USD
Price Objective	139.00 USD
Date Established	16-Feb-2024
Investment Opinion	C-1-9
52-Week Range	51.50 USD - 126.65 USD
Mrkt Val (mn) / Shares Out	46,814 USD / 370.7
(mn)	
Free Float	83.4%
Average Daily Value (mn)	441.34 USD
BofA Ticker / Exchange	DASH / NYS
Bloomberg / Reuters	DASH US / DASH.OQ
ROE (2024E)	0.3%
Net Dbt to Eqty (Dec-2023A)	-39.0%
ESGMeter™	Medium

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 "BofA ESGMeter Methodology".

# **iQ**profile<sup>™</sup> Door Dash

<i>iQ</i> method <sup>sM</sup> − Bus Performance*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Return on Capital Employed	5.7%	16.5%	22.3%	23.6%	22.3%
Return on Equity	-23.8%	-8.3%	0.3%	2.2%	3.5%
Operating Margin	5.5%	13.8%	17.8%	18.2%	18.8%
Free Cash Flow	191	1,550	1,538	2,177	2,287
i <b>Q</b> method <sup>™</sup> – <b>Quality of Earnings*</b>					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Cash Realization Ratio	NM	NM	NM	15.1x	8.0:
Asset Replacement Ratio	176.0x	123.0x	292.4x	337.4x	0.5
Tax Rate	2.2%	NM	4.4%	0.6%	0.39
Net Debt-to-Equity Ratio	-29.2%	-39.0%	-59.9%	-71.5%	-78.59
Interest Cover	NA	NA	NA	NA	N/
Income Statement Data (Dec)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Sales	6,583	8,635	10,371	11,966	13,41
% Change	34.7%	31.2%	20.1%	15.4%	12.19
Gross Profit	3,132	4,218	5,125	5,972	6,638
% Change	19.4%	34.7%	21.5%	16.5%	11.19
EBITDA	363	1,192	1,846	2,185	2,506
% Change	24.7%	228.4%	54.9%	18.4%	14.79
Net Interest & Other Income	(274)	45	(11)	(11)	(11
Net Income (Adjusted)	(1,363)	(563)	22	167	334
% Change	-191.1%	58.7%	NM	664.5%	100.3%
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Net Income from Cont Operations (GAAP)	(1,367)	(563)	22	167	334
Depreciation & Amortization	1	1	1	1	778
Change in Working Capital	73	516	14	347	160
Deferred Taxation Charge	NA 1.660	NA 1.710	NA 1 700	NA 1 000	N/
Other Adjustments, Net	1,660	1,719	1,793	1,999	1,39:
Capital Expenditure	(176)	(123)	(292)	(337)	(378
Free Cash Flow % Change	191 -66.5%	1,550 711.5%	1,538 -0.8%	2,177 41.6%	2,287 5.1%
Share / Issue Repurchase	(375)	(752)	<b>-0.6%</b>	41.0%	5.19
Cost of Dividends Paid	(575)	0	0	0	
Change in Debt	0	0	0	0	
	Ū	0	U	U	
Balance Sheet Data (Dec)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Cash & Equivalents	1,977	2,656	4,062	6,058	8,16
Trade Receivables	400	533	640	739	828
Other Current Assets	2,343	2,408	2,485	2,638	2,74
Property, Plant & Equipment	637	712	812	912	962
Other Non-Current Assets	4,432	4,530	3,066	3,066	3,066
Total Assets	9,789	10,839	11,066	13,413	15,767
Short-Term Debt	0	0	0	0	4.50
Other Current Liabilities	2,544	3,410	3,608	4,207	4,56
Long-Term Debt Other Non-Current Liabilities	0 477	0 616	0 676	0 736	796
Total Liabilities	3,021	4,026	4,284	4,943	5,359
	3.021	4,020	4,204	4,743	
			6 791	8 17N	10 400
Total Equity Total Equity & Liabilities	6,768 9,789	6,813 10,839	6,781 11,066	8,470 13,413	10,409 15,767

#### **Company Sector**

Internet/e-Commerce

#### **Company Description**

DoorDash was founded in 2013 and has rapidly expanded to become the largest third-party delivery platform in the US, with 390k merchants, 1mn couriers & 18mn customers in September. The DashPass subscription has reached 5mn subs, leading to industry-leading customer retention. DoorDash has a wide range of national chain partnerships, with 175 of the 200 largest US restaurant brands on the platform, leading to a competitive advantage in restaurant selection in suburbs.

#### **Investment Rationale**

We rate DoorDash Buy. DoorDash is the leading delivery app in terms of US bookings and US revenue and a market share gainer from 2018 to 2021. Long term, we think that 3P app penetration of restaurant spend could increase from 7% to 16%, with DASH remaining the share leader. COVID-19 has created habit changes for consumers and restaurants that benefit the online food delivery industry. New categories are shifting into 3P delivery, and DoorDash has been a leader in addressing these categories.

#### Stock Data

Average Daily Volume

3,495,175

#### **Quarterly Earnings Estimates**

	2023	2024
Q1	-0.41A	-0.18E
Q2	-0.44A	-0.12E
Q3	-0.19A	0.09E
04	-0.39A	0.27F



#### **Actuals vs. Estimates**

#### **Exhibit 1: Actuals vs. Estimates**

DoorDash reported GOV/revenue/EBITDA of \$17.6bn/\$2.3bn/\$363mn vs. our estimates of \$17.5bn/\$2.2bn/\$365mn.

Actuals vs. Estimates	Actuals	Estimates	% Diff
Gross Order Value	\$17,639	\$17,480	1%
Y/Y Growth	22%	21%	1pts
Total Revenue	\$2,303	\$2,237	3%
Y/Y Growth	27%	23%	4pts
Take Rate	13.1%	12.8%	26bps
Cost of Revenue	1,229	1,190	3%
Gross Profit	\$1,074	\$1,047	3%
Gross Margin	46.6%	46.8%	0pts
Y/Y Growth	34%	30%	3pts
Sales & Marketing	460	458	0%
Research & Development	253	269	-6%
General & Administrative	320	283	13%
Depreciation & Amortization	130	145	-11%
GAAP Operating Income	(\$89)	(\$108)	-18%
Income (Loss) before Taxes	(139)	(115)	21%
Net loss	(\$156)	(\$116)	35%
Basic Shares Outstanding	399	393	2%
Fully Diluted Shares Outstanding	399	393	2%
Fully Diluted EPS	\$ (0.39)	\$ (0.30)	31%
Total SBC	272	313	-13%
Adj EBITDA	\$363	\$365	0%
EBITDA Margin on Revenue	15.8%	16.3%	-1pts
Contribution Profit	\$689	\$678	2%
Contribution Margin	29.9%	30.3%	0pts

**Source:** BofA Global Research estimates, company report

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# **Estimate Changes**

#### **Exhibit 2: Estimate Changes**

For 2025E, we raise our Marketplace GOV estimate by 0% to \$89.27bn, we raise our Revenue estimate by 3% to \$11.97bn, and we raise our EBITDA estimate by 42% to \$2168mn.

		1Q'24E			2024E			2025E	
Estimate Changes	Prior	New	% Chg	Prior	New	% Chg	Prior	New	% Chg
Gross Order Value	\$18,965	\$18,965	0%	\$78,353	\$78,539	0%	\$89,055	\$89,265	0%
Y/Y Growth	19%	19%	0pts	18%	18%	0pts	14%	14%	0pts
Total Revenue	\$2,446	\$2,465	1%	\$10,080	\$10,371	3%	\$11,577	\$11,966	3%
Y/Y Growth	20%	21%	1pts	18%	20%	2pts	15%	15%	1pts
Take Rate	12.9%	13.0%	10bps	12.9%	13.2%	34bps	13.0%	13.4%	41bps
Cost of Revenue	1,315	1,323	1%	5,423	5,458	1%	6,251	6,222	0%
Gross Profit	\$1,132	\$1,143	1%	\$4,657	\$4,914	6%	\$5,327	\$5,745	8%
Gross Margin	46.3%	46.4%	0pts	46.2%	47.4%	1pts	46.0%	48.0%	2pts
Y/Y Growth	17%	18%	1pts	16%	21%	6pts	14%	17%	3pts
Sales & Marketing	517	508	-2%	2,189	1,957	-11%	2,597	2,310	-11%
Research & Development	276	269	-2%	1,098	1,080	-2%	1,145	1,154	1%
General & Administrative	304	296	-3%	1,265	1,251	-1%	1,374	1,408	2%
Depreciation & Amortization	165	141	-15%	680	591	-13%	753	694	-8%
GAAP Operating Income	(\$130)	(\$71)	-46%	(\$575)	\$34	-106%	(\$542)	\$179	-133%
Income (Loss) before Taxes	(133)	(73)	-45%	(586)	23	-104%	(553)	168	-130%
Net loss	(\$133)	(\$74)	-45%	(\$587)	\$22	-104%	(\$554)	\$167	-130%
Basic Shares Outstanding	395	401	2%	398	404	2%	406	412	2%
Fully Diluted Shares Outstanding	395	401	2%	398	404	2%	406	412	2%
Fully Diluted EPS	\$ (0.34)	\$ (0.18)	-46%	\$ (1.48)	\$ 0.05	-104%	\$ (1.37)	\$ 0.40	-130%
Total SBC	318	296	-7%	1,259	1,163	-8%	1,273	1,254	-2%
Adj EBITDA	\$363	\$376	3%	\$1,405	\$1,829	30%	\$1,525	\$2,168	42%
EBITDA Margin on Revenue	14.8%	15.2%	0pts	13.9%	17.6%	4pts	13.2%	18.1%	5pts



#### **Exhibit 2: Estimate Changes**

For 2025E, we raise our Marketplace GOV estimate by 0% to \$89.27bn, we raise our Revenue estimate by 3% to \$11.97bn, and we raise our EBITDA estimate by 42% to \$2168mn.

	1Q'24E			2024E			2025E		
Contribution Profit	\$709	\$725	2%	\$2,847	\$3,312	16%	\$3,126	\$3,823	22%
Contribution Margin	29.0%	29.4%	0pts	28.2%	31.9%	4pts	27.0%	31.9%	5pts

Source: BofA Global Research estimates, company report

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#### **Valuation**

We are switching our valuation basis from a Core US Restaurant Based multiple to a Total Revenue multiple based on a comp group consisting of FANG stocks + Uber. Our Comp group trades at 4.8x 2025E Revenue, with a 21% Average EBITDA Margin and 15% average Revenue growth for 2024+2025. With DASH at an 18% margin and 17.5% growth, we select a multiple that is at a slight premium to the peer group average, given the above average growth (DASH at 17.5% avg during 2024-2025, comps at 14.5%). Our multiple implies an EV of \$59bn, or \$62bn Market Cap inc. Cash, and we get to \$139 PO based on 440mn shares (reduced by 10mn shares for incremental buybacks).

#### **Exhibit 3: Valuation**

Our PO of \$139 is based on 5x 2025 Revenue

Valuation	
2025 Revenue	\$11,966
Revenue Multiple	5x
Enterprise Value	\$58,635
(+) Cash	2,656
Market Cap	\$61,291
Shares	440
Price Objective	\$139

**Source:** BofA Global Research estimates, company report

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#### **Exhibit 5: Comp Table**

DASH Trades at 3.9x 2025E Revenue, vs. FANG + Uber at 4.8x

	Revenue Growth		EBITD/	Margin	EBITDA	Growth		EV/ Re	evenue	EV/E	BITDA	<b>GAAP Price</b>	to Earnings	Pri	ce to F	FCF
	2024	2025	x 2024	2025	2024	2025	Х	2024	2025	2024	<b>2025</b> ×	2024	2025	x 20	24 20	025
Meta	18%	12%	38%	34%	27%	15%		7.6x	6.8x	12.9x	10.9x	24x	20x	25	x 2	22x
Alphabet	12%	16%	35%	30%	11%	13%		5.9x	5.1x	12.2x	10.5x	20x	17x	21	x 1	18x
Netflix	15%	12%	19%	17%	36%	20%		6.9x	6.2x	26.4x	21.9x	34x	28x	41	x 3	32x
Amazon	12%	12%	15%	13%	21%	18%		2.9x	2.6x	14.4x	12.6x	34x	27x	28	x 2	22x
Uber	17%	16%	4%	4%	55%	35%		4.1x	3.5x	27.7x	19.9x	49x	32x	31	x 2	22x
Average	15%	14%	22%	20%	30%	20%		5.5x	4.8x	18.7x	15.2x	32x	25x	29	x 2	23x
DoorDash	20%	15%	18%	18%	54%	19%		4 6x	3.9x	33 9x	26.0x	140x	79x	11	1x 8	37x

**Source:** BofA Global Research estimates, company report

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## Price objective basis & risk

#### DoorDash (DASH)

Our PO of \$139 is based on a Total Revenue multiple based on a comp group consisting of FANG stocks + Uber. Our Comp group trades at 4.8x 2025E Revenue, with a 21% Average EBITDA Margin and 14.5% average Revenue growth for 2024+2025. With DASH at an 18% margin and 17.5% growth, we select a multiple that is at a slight premium to the peer group average, given the above average growth (DASH at 17.5% avg during 2024-2025, comps at 14.5%). Our multiple implies an EV of \$59bn, or \$62bn Market Cap inc. Cash, and we get to \$139 PO based on 440mn shares (reduced by 10mn shares for incremental buybacks).

Risks are 1) slowing industry growth in 2021, which puts premium valuations at risk, 2) DASH potentially facing tougher comps than competitors, 3) entrenched incumbents in adjacent categories (including Amazon), 4) regulatory battle, which is not over yet, despite Proposition 22.

# **Analyst Certification**

I, Michael McGovern, 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 - Internet Coverage Cluster**

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Alphabet	GOOGL	GOOGL US	Justin Post
	Alphabet	GOOG	GOOG US	Justin Post
	Amazon.com	AMZN	AMZN US	Justin Post
	AppLovin	APP	APP US	Omar Dessouky, CFA
	DoorDash	DASH	DASH US	Michael McGovern
	DoubleVerify Holdings, Inc.	DV	DV US	Omar Dessouky, CFA
	Electronic Arts	EA	EA US	Omar Dessouky, CFA
	Integral Ad Science Holding Corp.	IAS	IAS US	Omar Dessouky, CFA
	LegalZoom	LZ	LZ US	Michael McGovern
	Match Group	MTCH	MTCH US	Curtis Nagle, CFA
	Meta Platforms Inc	META	META US	Justin Post
	Pinterest	PINS	PINS US	Justin Post
	RH	RH	RH US	Curtis Nagle, CFA
	Roblox Corp. Class A	RBLX	RBLX US	Omar Dessouky, CFA
	Squarespace, Inc.	SQSP	SQSP US	Michael McGovern
	Uber	UBER	UBER US	Justin Post
	Udemy Inc	UDMY	UDMY US	Curtis Nagle, CFA
	Vivid Seats	SEAT	SEAT US	Curtis Nagle, CFA
	Wayfair	W	W US	Curtis Nagle, CFA
	Wix.com	WIX	WIX US	Michael McGovern
NEUTRAL				
	ACV Auctions	ACVA	ACVA US	Curtis Nagle, CFA
	Airbnb	ABNB	ABNB US	Justin Post
	Beyond Inc	BYON	BYON US	Curtis Nagle, CFA
	Booking Holdings Inc	BKNG	BKNG US	Justin Post
	Bumble	BMBL	BMBL US	Curtis Nagle, CFA
	Digital Turbine, Inc	APPS	APPS US	Omar Dessouky, CFA
	Duolingo	DUOL	DUOL US	Curtis Nagle, CFA
	eBay	EBAY	EBAY US	Justin Post
	Etsy, Inc.	ETSY	ETSY US	Curtis Nagle, CFA
	Expedia	EXPE	EXPE US	Justin Post
	Instacart	CART	CART US	Justin Post
	Magnite, Inc.	MGNI	MGNI US	Omar Dessouky, CFA
	Snap	SNAP	SNAP US	Justin Post



#### **US - Internet Coverage Cluster**

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
	Take-Two Interactive	TTWO	TTWO US	Omar Dessouky, CFA
	Zillow	ZG	ZG US	Curtis Nagle, CFA
	Zillow	Z	Z US	Curtis Nagle, CFA
UNDERPERFORM				
	Chewy Inc	CHWY	CHWY US	Curtis Nagle, CFA
	Lyft, Inc.	LYFT	LYFT US	Michael McGovern
	Opendoor Technologies	OPEN	OPEN US	Curtis Nagle, CFA
	Peloton	PTON	PTON US	Curtis Nagle, CFA
	Playtika	PLTK	PLTK US	Omar Dessouky, CFA
	Redfin Corp	RDFN	RDFN US	Curtis Nagle, CFA
	Shutterstock	SSTK	SSTK US	Curtis Nagle, CFA

# *Q*method<sup>™</sup> 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

Manethod 3<sup>M</sup> 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.

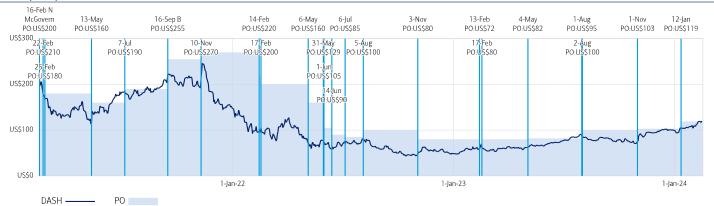
\*\*Relatabase\*\* is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.



# **Disclosures**

### **Important Disclosures**

#### DoorDash (DASH) 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<sup>R2</sup>

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

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