

Digital Turbine, Inc.

3FQ24 result: miss reflects growing pains, no re-rating until growth inflection seen

Reiterate Rating: NEUTRAL | PO: 6.00 USD | Price: 5.04 USD

3FQ miss on device headwinds and platform disruptions

3FQ Revenue/EBITDA of \$143mn/\$25mn missed both Street expectations and Guide, primarily due to weak device shipments from US carrier partners. US device activations in the holiday quarter were lower Q/Q, which surprised management. Prepaid carriers (Tracfone, Cricket) saw the steepest device declines, weighing on profitability as those devices carry higher margins for APPS. Additionally, cloud service migration & AI/ML model upgrade, both of which have been completed, caused some temporary service disruptions in the ODS business (est. 7-figure headwind). AGP segment grew +7% Q/Q and performed in line with internal expectations, with DT Exchange's platform integration finally complete.

Guide-down a surprise, growth elusive until 2FH25

Management's 4FQ guide & report of a further deterioration in US device trends in January likely surprised the market and will challenge Street FY25 growth expectations (+8% Y/Y). We remain cautious on FY25 growth as management: 1) expects US device headwinds to persist in the near-term, 2) assumes overall ad environment will be stable rather than notably improve, and 3) expects more material contribution from the Hubs business and platform improvements only in 2FH25. We now model +2% Y/Y topline growth in FY25 (from +11% Y/Y prior), but expect some upward bias if 1) growth initiatives materialize sooner, or 2) the ad budget environment & US device sales outperformed management's conservative assumptions.

Stock in holding pattern while transformation in progress

Management has articulated numerous growth opportunities arising from APPS' ongoing business transformations, including an integrated DT Exchange, Al/ML performance improvement, expanding international footprint, as well as alternative app distribution. However, with low revenue visibility & tepid growth outlook in the near term, we see limited catalysts to drive a rally in the next 12 months. We see valuation support at 7.5x FY25 EBITDA (after-market), which is significantly below peers Unity & AppLovin, likely limiting downside. We reiterate our Neutral rating.

Reiterate Neutral and cut PO to \$6 on lower estimates

We roll our valuation base forward and derive our \$6 PO (\$7 prior) on 9.5x (vs 8.5x prior) FY25E EBITDA as AdTech peer valuations have broadly expanded.

Estimates (Mar) (US\$)	2022A	2023A	2024E	2025E	2026E
EPS	1.70	1.14	0.46	0.38	0.53
GAAP EPS	0.34	0.16	(1.95)	(0.39)	(0.27)
EPS Change (YoY)	129.7%	-32.9%	-59.6%	-17.4%	39.5%
Consensus EPS (Bloomberg)			0.61	0.69	0.79
DPS	0	0	0	0	0
Valuation (Mar)					
P/E	3.0x	4.4x	11.0x	13.3x	9.5x
GAAP P/E	14.8x	31.5x	NM	NM	NM
EV / EBITDA*	4.3x	5.1x	9.1x	8.4x	7.0x
Free Cash Flow Yield*	12.0%	17.4%	10.6%	14.1%	15.1%
* For full definitions of $\emph{\textbf{IQ}}$ method $^{\text{SM}}$ measures, see page 9.					

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Refer to important disclosures on page 10 to 12. Analyst Certification on page 8. Price
Objective Basis/Risk on page 8.

Timestamp: 08 February 2024 05:01AM EST

08 February 2024

Equity

Key Changes		
(US\$)	Previous	Current
Price Obj.	7.00	6.00
2024E Rev (m)	574.4	547.3
2025E Rev (m)	640.4	557.3
2026E Rev (m)	768.4	601.8
2024E EPS	0.63	0.46
2025E EPS	0.87	0.38
2026E EPS	1.26	0.53

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Stock Data

Price	5.04 USD
Price Objective	6.00 USD
Date Established	8-Feb-2024
Investment Opinion	C-2-9
52-Week Range	4.10 USD - 17.34 USD
Mrkt Val (mn) / Shares Out	514 USD / 102.0
(mn)	
Free Float	95.9%
Average Daily Value (mn)	7.19 USD
BofA Ticker / Exchange	APPS / NAS
Bloomberg / Reuters	APPS US / APPS.OQ
ROE (2024E)	9.2%
Net Dbt to Eqty (Mar-2023A)	55.2%
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".

Acronyms:

AGP: App Growth Platform

ODS: On-Device Solutions

Al/ML: Artificial Intelligence/Machine Learning

iQprofile[™] Digital Turbine, Inc

iQmethod [™] – Bus Performance*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Return on Capital Employed	24.1%	10.5%	6.9%	7.5%	9.1%
Return on Equity	51.9%	21.0%	9.2%	9.1%	12.4%
Operating Margin	24.9%	22.0%	13.3%	15.0%	17.1%
Free Cash Flow	61	90	55	72	78
iQmethod SM − Quality of Earnings*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Cash Realization Ratio	0.5x	1.0x	1.6x	2.2x	1.7x
Asset Replacement Ratio	0.4x	0.3x	0.2x	0.2x	0.2x
Tax Rate	19.1%	23.4%	5.3%	25.0%	25.0%
Net Debt-to-Equity Ratio	78.7%	55.2%	67.5%	51.1%	32.1%
Interest Cover	21.9x	6.3x	2.4x	2.7x	3.4x
Income Statement Data (Mar)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Sales	748	666	547	557	602
% Change	138.4%	-10.9%	-17.8%	1.8%	8.0%
Gross Profit	748	666	547	557	602
% Change	138.4%	-10.9%	-17.8%	1.8%	8.0%
EBITDA	195	163	92	100	119
% Change	158.2%	-16.4%	-43.6%	8.9%	19.0%
Net Interest & Other Income	(7)	(24)	(31)	(31)	(30)
Net Income (Adjusted)	171	117	48	40	55
% Change	139.1%	-31.3%	-59.4%	-16.7%	38.0%
Free Cash Flow Data (Mar)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Net Income from Cont Operations (GAAP)	35	15	(203)	(42)	(30)
Depreciation & Amortization	57	81	84	85	85
Change in Working Capital	(69) NA	(14)	20 NA	4	(4)
Deferred Taxation Charge Other Adjustments, Net	61	NA 31	174	NA 40	NA 43
Capital Expenditure	(23)	(24)	(20)	(15)	(17)
Free Cash Flow	61	90	55	72	78
% Change	14.7%	45.6%	-39.0%	32.4%	7.7%
Share / Issue Repurchase	0	0	0	0	0
Cost of Dividends Paid	NA	NA	NA	NA	NA
Change in Debt	496	(123)	(37)	0	0
Balance Sheet Data (Mar)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Cash & Equivalents	127	75	80	153	231
Trade Receivables	263	178	158	179	190
Other Current Assets	21	13	18	22	29
Property, Plant & Equipment	31	39	42	41	41
Other Non-Current Assets	1,017	961	735	666	597
Total Assets	1,459	1,267	1,034	1,060	1,088
	13	0	0	0	0
Short-Term Debt					
Other Current Liabilities	373	221	192	221	235
Other Current Liabilities Long-Term Debt	373 521	411	374	374	374
Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	373 521 36	411 28	374 32	374 32	374 32
Other Current Liabilities Long-Term Debt Other Non-Current Liabilities Total Liabilities	373 521 36 942	411 28 659	374 32 598	374 32 627	374 32 641
Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	373 521 36	411 28	374 32	374 32	374 32

Company Sector

PC Software

Company Description

Digital Turbine is a leading provider of end-to-end advertising technology solutions to advertisers, publishers, carriers, and device OEMs. Its Ignite software is installed on around 70% of Android smartphones in the US, helping telecom operators and OEMs with device management, user engagement, and ad monetization. Digital Turbine shares advertising revenue with its carrier/OEM partners, and generates additional revenue from intermediating transactions of in-app ads on its App Growth Platform.

Investment Rationale

APPS' existing market leadership, vast network of carrier/OEM/publisher partners and differentiated product offering should position it well to gain share in a market with high barriers to entry and customer switching cost. Its recently acquired App Growth Platform business has suffered from business exits and customer churns as a result of its ongoing platform integration process, raising concerns that its smaller AdTech platform might be structurally inferior to more at-scale peers.

Stock Data

Average Daily Volume

1,425,872

Quarterly Earnings Estimates

	2023	2024
Q1	0.38A	0.18A
Q2	0.34A	0.13A
Q3	0.29A	0.15E
04	0.14A	0E



Supporting Exhibits

Exhibit 1: APPS 3Q24 Results vs. BofA Estimates Results vs. BofA Estimates

					Y/Y Gr	owth		Q/Q Gr	owth	
			Variance							
(\$Mn)	3Q24A	3Q24E	(Abs.)	Variance %	Actual	Estimate	Variance %	Actual	Estimate	Variance %
Non-GAAP Income Statement										
Total Revenue	142.6	146.1	(3.4)	-2.4%	-12.1%	-10.0%	-2.1%	-0.4%	2.0%	-2.4%
Cost of Revenue	78.4	77.4	1.0	1.3%	-3.3%	-4.5%	1.2%	2.9%	1.6%	1.3%
Gross Profit	64.2	68.7	(4.4)	-6.4%	-20.9%	-15.5%	-5.4%	-4.2%	2.4%	-6.6%
S&M	12.9	13.5	(0.6)	-4.8%	-12.4%	-8.0%	-4.4%	-5.2%	-0.5%	-4.8%
Product Development	11.6	12.5	(0.9)	-7.1%	-8.4%	-1.3%	-7.0%	-5.3%	2.0%	-7.3%
G&A	18.8	16.8	2.0	12.1%	15.2%	2.8%	12.4%	11.2%	-0.8%	12.0%
EBIT	20.4	24.3	(4.0)	-16.3%	-43.3%	-32.3%	-11.0%	-10.6%	6.8%	-17.4%
Adj. EBITDA	25.4	28.8	(3.4)	-11.7%	-36.3%	-27.8%	-8.5%	-8.0%	4.2%	-12.2%
Comments										
Segments On-Device Solutions	94.3	100.0	(5.7)	-5.7%	-2.1%	3.8%	-5.9%	-4.8%	0.9%	-5.8%
App Growth Platform	49.2	47.5	1.7	3.5%	-27.0%	-29.5%	2.5%	6.5%	2.9%	3.6%
Арр Glowtii Flatioiiii	45.2	47.5	1.7	5.5%	-27.0%	-23.3%	2.5%	0.5%	2.5%	3.0%
% of Revenue										
Cost of Revenue	55.0%	53.0%		197 bps	5.0%	3.0%	20 bps	3.3%	-0.4%	37 bps
S&M	9.0%	9.2%		-23 bps	0.0%	0.2%	-2 bps	-4.8%	-2.4%	-25 bps
Product Development	8.1%	8.6%		-42 bps	0.3%	0.8%	-4 bps	-4.9%	0.0%	-49 bps
G&A	13.2%	11.5%		170 bps	3.1%	1.4%	17 bps	11.7%	-2.7%	144 bps
EBIT	14.3%	16.7%		-238 bps	-7.9%	-5.5%	-24 bps	-10.2%	4.8%	-149 bps

Source: BofA Global Research estimates, Company Reports



Exhibit 2: BofA Forecasts vs Street, FY24E - FY25E

We lower FY25 forecasts now assuming only +2% Y/Y topline growth

	FY23	1Q24	2Q24	3Q24	4Q24E	FY24E	FY25E
Net Revenues		146	1.42	1.42	115	F 47	F.F.7
B of A (After)	666	146	143	143	115	547	557
B of A (Before) STREET				146 146	139 138	574 574	640 621
Delta vs. STREET				-2.1%	-16.9%	-4.6%	-10.2%
GUIDE				147	118	550	-
Net Revenues YoY Growth %							
B of A (After)	-10.9%	-22.4%	-18.1%	-12.1%	-17.9%	-17.8%	1.8%
B of A (Before)				-10.0%	-1.0%	-13.7%	11.5%
STREET				-10.2%	-1.2%	-13.9%	8.2%
Delta vs. STREET GUIDE				-1.9%	-16.7%	-4.0%	-6.3%
On Parity Calatinas Parity							
On-Device Solutions Revenue B of A (After)	420	98	99	94	80	372	374
B of A (Before)	720		33	100	99	396	450
STREET				97	98	392	430
Delta vs. STREET				-2.6%	-18.6%	-5.3%	-12.9%
ODS Revenues YoY Growth %							
B of A (After)	-16.4%	-17.2%	-8.7%	-2.1%	-17.4%	-11.6%	0.6%
B of A (Before)				3.8%	2.2%	-5.7%	13.5%
STREET				0.5%	1.5%	-6.6%	9.5%
Delta vs. STREET				-2.6%	-18.9%	-5.0%	-8.8%
App Growth Platform Revenue							
B of A (After)	253	49	46	49	36	180	191
B of A (Before) STREET				48 50	41	184 187	199 197
Delta vs. STREET				-1.9%	-12.6%	-3.3%	-3.1%
AGP Revenues YoY Growth %							
B of A (After)	-3.6%	-32.3%	-32.3%	-27.0%	-19.6%	-28.7%	5.5%
B of A (Before)				-29.5%	-8.6%	-27.4%	8.1%
STREET				-25.6%	-8.0%	-26.2%	5.4%
Delta vs. STREET				-1.4%	-11.6%	-2.4%	0.2%
Non-GAAP Gross Margin %							
B of A (After)	49.0%	47.1%	46.8%	45.0%	45.1%	46.1%	47.5%
B of A (Before)				47.0%	46.1%	46.8%	47.5%
STREET Delta vs. STREET				47.1% (2.0%)	46.1% (1.0%)	46.8% (0.7%)	46.8% 0.6%
Non-GAAP Operating Margin % B of A (After)	22.0%	15.0%	15.9%	14.3%	6.6%	13.3%	15.0%
B of A (Before)	22.070	13.0 %	15.570	16.7%	14.7%	15.6%	18.9%
STREET				17.5%	15.5%	16.5%	18.1%
Delta vs. STREET						(3.3%)	(3.1%)
Non-GAAP Adj. EBITDA							
B of A (After)	163	27	28	25	12	92	100
B of A (Before)				29	25	108	138
STREET Politage STREET				-10.9%	25	108	126 -20.2%
Delta vs. STREET GUIDE				-10.9% 29	-51.4% 12	-14.5% 92	-20.2%
Non-GAAP Adj. EBITDA Margin %							
B of A (After)	24.5%	18.4%	19.3%	17.8%	10.4%	16.8%	18.0%
B of A (Before)				19.7%	17.9%	18.9%	21.6%
STREET				19.6%	17.8%	18.8%	20.2%



Exhibit 2: BofA Forecasts vs Street, FY24E - FY25EWe lower FY25 forecasts now assuming only +2% Y/Y topline growth

Delta vs. STREET GUIDE

FY23	1Q24	2Q24	3Q24	4Q24E	FY24E	FY25E
			-1.8%	-7.4%	-1.9%	-2.2%

 $\textbf{Source:} \ \mathsf{BofA} \ \mathsf{Global} \ \mathsf{Research} \ \mathsf{estimates}, \mathsf{Visible} \ \mathsf{Alpha}$



Exhibit 3: BofA vs. Consensus, Valuations & Price ObjectiveOur Price Objective of \$6/share represents a 19% upside from current valuation, and is driven by 10x FY25 EBITDA

Digital Turbine -- Valuation Worksheet

(\$ in millions, except per share amounts)						
	BofA Target Valuation		BofA Ma Valuation (Market Consensus Valuation (2/7/24)	
(Mn)	FY24E	FY25E	FY24E	FY25E	FY24E	FY25E
Upside/Downside	19.0	%				
Price Objective	\$6.0	0		_		
Share Price			\$5.04	4	\$5.0	4
Diluted Shares Outst.	104.9	104.9	104.9	104.9	104.9	104.9
Market Value	\$629	\$629	\$529	\$529	\$529	\$529
Net Cash	(\$325)	(\$325)	(\$325)	(\$325)	(\$325)	(\$325)
Enterprise Value	\$954	\$954	\$853	\$853	\$853	\$853
EV/EBITDA	10.4x	9.5x	9.3x	8.5x	7.9x	6.8x
EBITDA (BofA/STREET)	\$92	\$100	\$92	\$100	\$108	\$126
FCF Yield	8.7%	11.5%	10.3%	13.7%	10.3%	17.3%
FCF (BofA/STREET)	\$55	\$72	\$55	\$72	\$55	\$92
EV/Sales	1.7x	1.7x	1.6x	1.5x	1.5x	1.4x
Sales (BofA/STREET)	\$547	\$557	\$547	\$557	\$574	\$621

Source: BofA Global Research estimates, Bloomberg, FactSet, Visible Alpha

Exhibit 4: Comparable Company Analysis - Global AdTech & Self Attributing Networks Our comparator set includes AdTech companies and Self Attributing Networks

				EV/Sales	5	Sales	E	V/EBITD	Α	EBITDA			
			(Consensu	s)	CAGR		Consensu	s	CAGR	EB	ITDA Mar	gin
Company	Ticker	Price	2023E	2024E	2025E	CY23-CY25	2023E	2024E	2025E	CY23-CY25	2023E	2024E	2025E
Advertising Technology									_			_	
Roku	ROKU US	\$93.48	3.3x	2.9x	2.6x	12%	NA	104.6x	41.7x	NA	(1%)	3%	6%
Trade Desk	TTD US	\$68.60	17.8x	14.7x	12.2x	21%	44.8x	37.2x	30.0x	22%	40%	39%	41%
DoubleVerify	DV US	\$41.55	12.8x	10.4x	8.5x	23%	40.4x	33.5x	26.7x	23%	32%	31%	32%
Unity Software, Inc.	U US	\$32.05	6.9x	6.4x	5.5x	12%	39.1x	23.6x	17.8x	48%	18%	27%	31%
Live Ramp	RAMP US	\$40.81	3.9x	3.6x	3.3x	8%	35.9x	21.5x	16.2x	49%	11%	17%	21%
Integral Ad Sciences	IAS US	\$15.93	6.0x	5.1x	4.5x	16%	17.8x	15.1x	12.6x	19%	34%	34%	35%
Zeta Global	ZETA US	\$9.73	3.0x	2.6x	2.2x	17%	17.3x	13.8x	10.9x	26%	17%	19%	20%
Viant	DSP US	\$8.58	1.7x	1.5x	1.3x	13%	14.1x	11.4x	8.8x	27%	12%	13%	15%
AppLovin Corp.	APP US	\$46.04	6.2x	5.2x	4.7x	15%	13.7x	10.9x	9.6x	19%	45%	48%	49%
Magnite	MGNI US	\$9.19	2.8x	2.6x	2.4x	9%	9.7x	8.7x	7.3x	15%	29%	30%	32%
Taboola	TBLA US	\$4.76	1.2x	0.9x	0.7x	28%	21.8x	8.6x	6.4x	84%	5%	11%	11%
Adtheorant	ADTH US	\$2.73	1.1x	1.0x	0.9x	10%	9.8x	8.4x	7.0x	18%	12%	12%	13%
Pubmatic	PUBM US	\$15.34	2.6x	2.3x	2.1x	11%	9.1x	7.8x	6.3x	21%	28%	30%	33%
Digital Turbine, Inc.	APPS US	\$5.28	1.5x	1.4x	1.2x	12%	8.0x	6.9x	5.3x	23%	19%	20%	23%
Criteo	CRTO US	\$26.18	1.3x	1.3x	1.2x	6%	4.8x	4.5x	4.0x	10%	27%	28%	30%
Median			3.0x	2.6x	2.4x	12%	15.7x	11.4x	9.6x	23%	19%	27%	30%
Average			4.8x	4.1x	3.5x	14%	20.4x	21.1x	14.0x	29%	22%	24%	26%
Index			5.8x	5.1x	4.4x	15%	26.4x	19.9x	16.1x	28%	22%	25%	27%
Self-Attributing Networks													
Snap	SNAP US	\$17.45	6.5x	5.7x	4.9x	15%	262.8x	89.7x	39.0x	160%	2%	6%	13%
Pinterest	PINS US	\$41.05	8.8x	7.5x	6.4x	17%	39.7x	29.6x	22.3x	33%	22%	25%	28%
Meta Platforms	META US	\$454.72	8.9x	7.6x	6.7x	15%	16.0x	13.1x	11.3x	19%	56%	58%	59%
Alphabet	GOOGL US	\$144.10	5.7x	5.1x	4.6x	11%	14.5x	12.5x	11.0x	14%	39%	41%	42%
Yelp	YELP US	\$44.24	2.3x	2.1x	1.9x	9%	9.7x	8.8x	7.9x	10%	24%	24%	24%
Median			6.5x	5.7x	4.9x	15%	16.0x	13.1x	11.3x	19%	24%	25%	28%
Average			6.4x	5.6x	4.9x	14%	68.5x	30.7x	18.3x	47%	29%	31%	33%
Index			6.7x	5.9x	5.3x	12%	15.3x	12.9x	11.3x	16%	44%	46%	47%

Source: Visible Alpha, Factset, Bloomberg



Price objective basis & risk

Digital Turbine, Inc (APPS)

Our \$6 PO is based on 9.5x valuation multiple on FY25E EBITDA, below that of AppLovin, but roughly inline with other smaller adtech players (not mobile focused). Upside risks to our PO include faster-than-expected ramp in SingleTap and Hubs business, as well as a re-acceleration in the AGP business. Downside risks to our PO include: 1) adverse macroeconomic conditions that could lead to a decline in ad dollars, 2) consolidation of ad channels, which could disproportionately hurt tier 2 ad platforms, 3) longer-than-expected enterprise sales cycle (due to adverse macro) that could lead to delayed product uptake and monetization, and 4) significant churn of business as related to platform integrations (Fyber and AdColony)

Analyst Certification

I, Omar Dessouky, CFA, 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
	Expedia	EXPE	EXPE US	Justin Post
	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				
NEUIKAL	ACM Assatisses	ACVA	ACVA LIC	Constitution No. 10. CEA
	ACV Auctions		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
	Instacart	CART	CART US	Justin Post
	Magnite, Inc.	MGNI	MGNI US	Omar Dessouky, CFA
	Snap	SNAP	SNAP US	Justin Post
	Take-Two Interactive	TTWO	TTWO US	Omar Dessouky, CFA
	Zillow	Z	Z US	Curtis Nagle, CFA
	Zillow	ZG	ZG US	Curtis Nagle, CFA

US - Internet Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
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

Pmethod[™] Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) \times (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

Monethod Suis 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.

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flow statements for companies covered by BofA Global Research.

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Important Disclosures

Digital Turbine (APPS) Price Chart



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

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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%	≤ /0%
Neutral	≥ 0%	≤ 30%
nderperform	N/A	≥ 20%

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