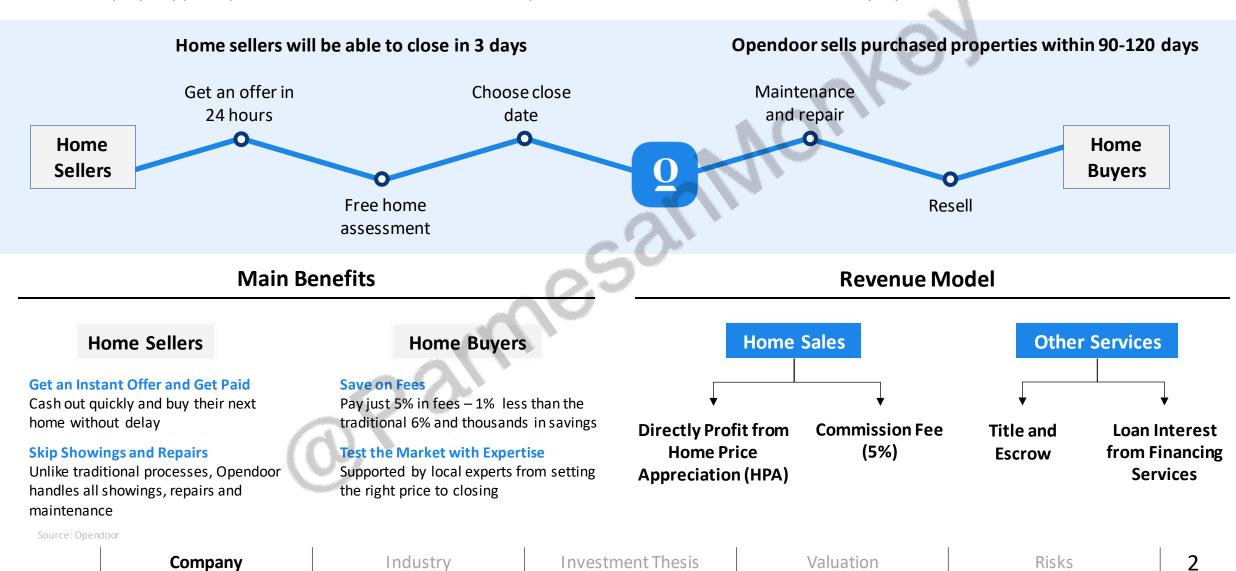


Company Overview



Listed as Nasdaq: OPEN on 21 December 2020, Opendoor Technologies Inc. ("Opendoor") is an iBuyer (instant buyer) platform that uses algorithm to determine property price, purchase houses from homeowners in quick cash transactions, then makes necessary repairs and resell.



Company Overview

2Q20

3Q20

1Q20

6000

5000

4000

3000

2000

1000

Opendoor

Financial Overview

Significant revenue growth since FY21, stabilizing at high levels

(in millions)

250%

200%

150%

100%

50%

0%

-50% -100%



Number of Transactions:

>160K+

since launch, of which 40% are executed in 2021

Real Seller Conversion:

>35%

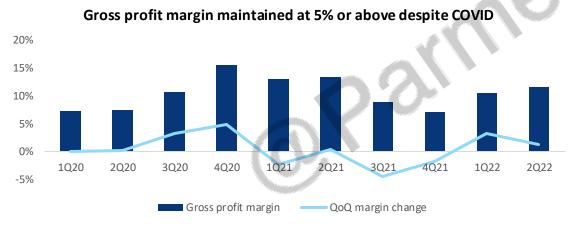
of home sellers who asked for a valuation signs a deal, compared to traditional agents' 5%

Net Promotor Score:

80+

for 5 consecutive quarters, compared to the real estate industry median – 50

1Q21 2Q21 3Q21 4Q21 1Q22 2Q22 Revenue QoQ Growth Heat Map Across the US





51
Markets (cities)

13.3%

QoQ Increase

Opendoor, RubyHome

Company

Industry

Investment Thesis

Valuation

Risks

3

Industry Overview

Opendoor

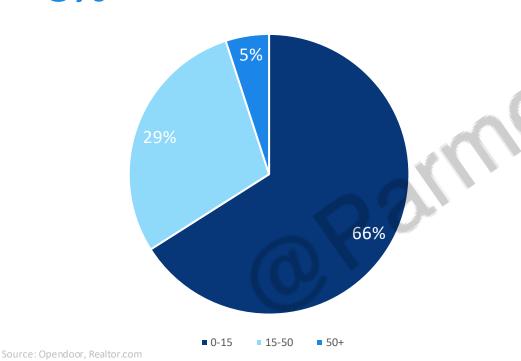
The highly **fragmented** industry

... with a massive TAM ...

3M+ Real estate agents in the US

of agents have another occupation

of agents handle more than 50 transactions annually



66% of Americans are homeowners

>6 homes sold annually

YoY Increase

Real Estate Market

Markets with



19,500 Markets: \$2.3T

17 Markets: \$2.1B

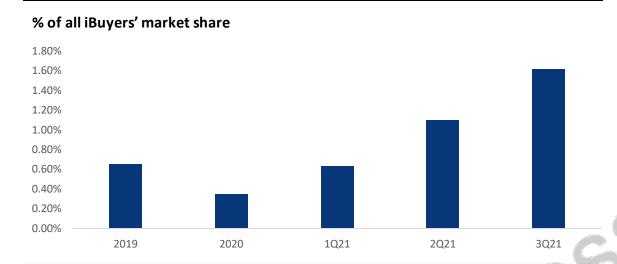
Highest iBuyer Share

Risks Company Industry Investment Thesis Valuation

Industry Overview

Opendoor

... is starting to shift **towards the iBuyer space** ...



~40%

American homeowners say that home-buying and selling is the **most stressful event** in modern life

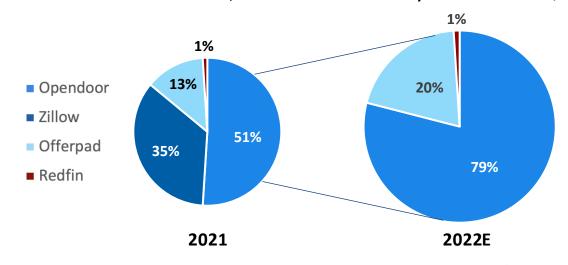
~54%

Homeowners would accept a less-than-standard-market-rate offer on their home to choose their closing date and sell instantly, with an average of \$45,400 less

... where **Opendoor** has established **market dominance**



Market Share from 2021 - 2022F, when Zillow exited the iBuyer market in 2021 Q4



Source: Zillow, Opendoor, RubyHome, Listwithclever.com

Company Industry Investment Thesis Valuation	Risks	5
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Investment Thesis – Summary



We recommend a **BUY** on Opendoor with a 12-month price target of \$8.47, representing a 67.5% upside potential from the closing price of \$5.06 per share as of 18 Aug 2022. Our target price was derived from Opendoor's strong business fundamentals, using DCF model and relative valuation.

Opendoor is a Market Leader in the Growing iBuyer Space

Investment Thesis

Attractive Unit Economics on Operations and Investment

Partnership with Zillow Strengthens
Opendoor's Dominance

Company Industry Investment Thesis Valuation Risks 6

Investment Thesis



1. Opendoor is a Market Leader in the Growing iBuyer Space

The iBuyer space has massive growing potential,

~65%

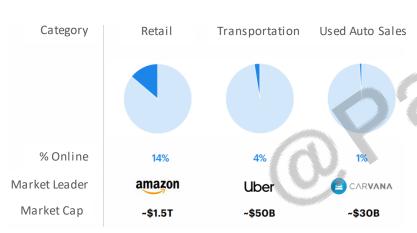
of homes in the US are owner-occupied

~65%

American homeowners are **open to selling their home with an iBuyer** rather than listing with a real estate agent

Only <1%

of real estate market sales are accounted by iBuyer sales:





where OPEN has the moat to eliminate competition and seize market share

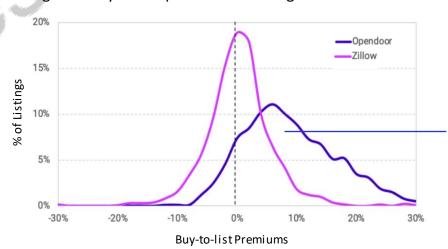
Opendoor's Robust Pricing System

Its instant and accurate price prediction algorithm allows it to make offers that hit the sweet spot between homesellers' and Opendoor's profitability, made possible by:

Machine learning models that are highly responsive to changing macro and market conditions High quality proprietary data that is better than typical data used in typical automated valuation models

The Algorithm and Data Model are Inimitable

Zillow – Opendoor's biggest competitor exited the iBuyer space due to continuous negative buy-to-list premium thus negative contribution margin



Despite a lower median for buy-to-list premium, Opendoor has a wider distribution of premiums that skew higher, hence higher gross profits

Source: Opendoor, RubyHome

Company Industry Investment Thesis Valuation Risks 7

Investment Thesis



1. Opendoor is a Market Leader in the Growing iBuyer Space

Opendoor continues to create value for customers, taking its brand experience several steps further to ensure it remains top of mind. This is done by combining every step of home-buying and selling process into one simple transaction, creating a convenient and streamlined process, enhancing customer experience, making itself the undisputed iBuyer leader

Opendoor Exclusives*

Marketplace

Allows buyers to browse homes, schedule tours, make offers, all in one place

Homes owned by Opendoor offered exclusively to customers 14 days before public listing

Opendoor's Ecosystem



Financing App

Enables consumers to get a mortgage preapproval from Opendoor in less than 2 minutes



acquired



Title & Escrow Service

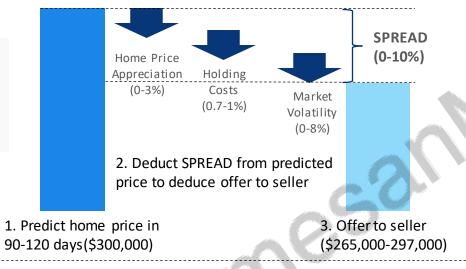
Seamlessly integrate title & escrow into Opendoor's services

Source: Opendoor, Crunchbase

2. Attractive Unit Economics on Operations and Investment

Pricing and operational system dynamically adjust to changing market conditions

Opendoor adjusts offer downwards with higher spread to avoid holding assets that might undergo home price depreciation



The flexible *spread* safeguards Opendoor under an unfavorable macro environment, allowing Opendoor to maintain a positive CM even when the actual home price drops

(Opendoor achieves positive CM if price doesn't fall below the red line)

Company



Source: Opendoor, World Bank

Industry

Investment Thesis

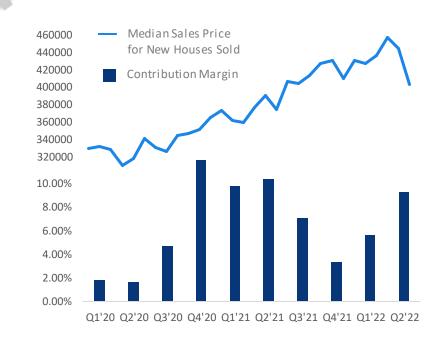
Valuation

Risks

9

Continuous Positive Contribution Margin

Opendoor has maintained a **positive contribution margin** (CM) after interest for 21 consecutive quarters. Even during COVID, it still maintained positive CMs around 5%. This creates a strong moat for Opendoor, where its peers like Zillow and Redfin struggle to report a positive CM.





2. Attractive Unit Economics on Operations and Investment

Low Cost & Agile Operation System

Flexible Operating Expenses

With 40% of home operation tasks outsourced, Opendoor can adapt to macro conditions by adjusting their costs commensurate with volume expectations over the balance of the year

40%

Opendoor

of home operations tasks (i.e., repair, maintenance, showings)

3rd Party Operators

Centralized Tasks are Shifting Offshore

By shifting an increasing amount of back-office work from local operators to offshore teams, structural cost improvements are encouraged, and it also accelerates turnaround times while maintaining high quality standards

Centralization of tasks

Local Operators

i.e., home assessment review, vendor sourcing

Offshore Teams

Leveraged Investment

Attractive Returns Using Asset-level Financing

If 85% of home acquisition price is paid by asset-level financing, Opendoor will gain ~120% of incremental return per home after interest expense, compared to only 20% without financing

Illustrative unit level returns:	Unlevered	Levered
Illustrative home acquisition price	\$350,000	\$ 350,000
Equity investment	\$350,000	\$ 52,500
Asset-level financing	-	\$ 297,500
Contribution Profit per home	\$21,000	\$ 21,000
Contribution Margin	6.00%	6.00%
Interest Expense	-	\$ 3,668
Contribution Profit per home after interest expense	\$21,000	\$ 17,332
Contribution Margin After Interest	6.00%	5.00%
Annual Contribution Profit after interest expense	\$76,650	\$ 63,263
Incremental return per home	~20%	~120%

Note: Based on average data from 2021-2022 Source: Opendoor, ONS, RedFin, Mike DelPrete

Investment Thesis



3. Partnership with Zillow Strengthens Opendoor's Dominance

The partnership will allow home sellers on the Zillow platform to seamlessly request Opendoor offers to sell their homes

Zillow brings in a large source of customer leads

The partnership gives Opendoor access to a customer touch point with:



316 million monthly visits

200 million monthly active users

Monthly Zillow traffic is about 10x what Opendoor sees per month, this leads to huge expansion to the top of their funnel



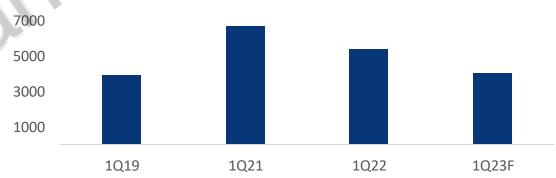
Lower customer acquisition cost allows more competitive pricing

The customer acquisition cost (CAC) is expected to decrease due to:

Marketing economies of scale

Lower marketing cost through Zillow partnership

Customer Acquisition Cost:



The marketing cost saved could be allocated to the below, which strengthens Opendoor's price attractiveness, luring more customers into the ecosystem

Lower spread and offer a higher price to home sellers

Relist purchased properties at a lower price to acquire home buyers

Source: Opendoor, World Bank, Mike DelPrete, RedFin

Company Indu

Industry

Investment Thesis

Valuation

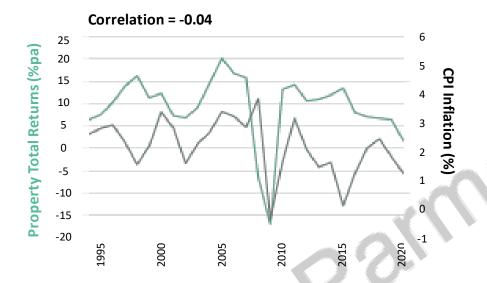
Risks

11

I. Post-COVID's High Inflation Rate is a Significant Tailwind

Real Estate Offers Protection from Inflation

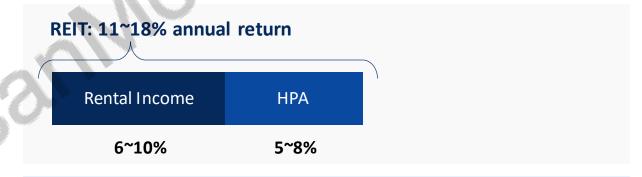
Historically, home price growth was often higher than inflation despite rising interest rates, shown by the figure below



As of today, the US inflation rate rose to 9.1%, with the House Pricing Index sitting at a record high of 358 with YoY growth of 19.4%. Yet, most market participants recognize the REIT space as an easy bet to make

Opendoor Even Outperforms REITs

With the premise of high inflation rate for 2H22F and FY23F, Opendoor's gross margins will be elevated. Considering positive contribution margins for 21 quarters in a row, Opendoor is likely to beat the market



Given that the average holding period of a property is <120 days, Opendoor can generate 33% of return after three holding periods per year with the same amount of capital



II. Further M&A Activity to Expand Suite of Services

Past Acquisitions



Open Listings

A platform to find, tour and buy any home on the market at lowercost and at ease

OS National

Residential title & escrow (T&E) leader with a decade of in-house experience

Pro.com

Full-service remodeling general contractor in Seattle

Personalized online portal:

Pricing of renovation materials

Skylight

3D vendors of remodeling project

RedDoor

Provides mortgage preapproval experience and proprietary backend system for loan officers

Enabled Opendoor's:

- ✓ Two-sided marketplace
- ✓ Deep integration with T&E services
- ✓ Greater and faster customer reach when tapping into new markets
- ✓ Strong synergy between operations and technology
- ✓ Local presence to seize market share from competitors
- ✓ Personalized and convenient homeviewing experience
- ✓ Integrate features and database from Skylight's portal
- ✓ Pre-approval feature in Opendoor Home Loans app
- √ 4x loan officer efficiency than industry average

Future Acquisitions

Based on Opendoor's acquisition frequency and by comparing to other real estate PaaS leaders, Opendoor will be able to perform 1-2 acquisitions per year

Number of acquisitions per year

Docu Sign 1 YARDI 2

Impact

- Create new product/ service offering
 Acquire mature businesses that would make a
 great attachment to Opendoor's core business
- Strengthen current product offering Improve its core system: pricing algorithm, operation system, moving & financing options
- Spike in stock price
 M&A activities bring higher awareness and boost stockholder confidence

Source: Opendoor, Crunchbase, Re:Venture Consulting

Company Industry

Investment Thesis

Valuation

Risks

13

Valuation – DCF Assumptions



Key DCF Assumptions based on either consistent or conservative measure on stock-based compensation, Capex, D&A, NWC, and terminal growth rate. Sensitivity Analysis produces a range of \$6.35 to \$11.63 per share target price.

Key DCF Assumptions

Stock-based Compensation

- Included stock-based compensation in DCF
- Modelled as a function of the percentage of revenue
- Forecasted as a 4-year average of revenue percentage to avoid volatility
- SBC of 2% adopted as a conservative estimate

Capital Expenditure

- Modelled as a function of the percentage of revenue
- Forecasted as a 4-year average of revenue percentage due to consistency
- CAPEX of 0.69% adopted as a consistent estimate

Depreciation & Amortization

- Modelled as a function of the percentage of PP&E
- Forecasted as a 4-year average of PP&E percentage due to its consistency
- D&A of 59.5% adopted as a consistent estimate

Net Working Capital

- Modelled as a function of the percentage of revenue
- Forecasted as a decreasing revenue percentage to align with recession effect
- NWC forecasted in a decreasing trend, driven by the expected decrease of inventory, mentioned by the management
- We expect the company to maintain flat performance during the recession period, with its business booming from 2024

Terminal Growth Rate

- US real estate market recorded 3-year CAGR of 6.4%
- US median housing price increased 15% YoY to US\$440,300 in 2Q22
- US mortgage rate increased 179% YoY to 5.1% as at 18 Aug 2022
- Terminal Value of 2.0% adopted as a conservative estimate

WACC Assumptions

Cost of Debt	1.40%	FROM Value Investing website
Tax Rate	0.00%	Company's Annual report
After-tax cost of debt	1.40%	Formula
Risk-free rate	2.89%	10-year US Treasury Yield Bond
Equity Risk Premium	6.50%	CAPM Formula
Beta	1.83	Bloomberg estimate
Cost of Equity	14.80%	FROM ValueInvesting website
(in mil of USD)		
Market Capitalisation	9,000	Calculation on Company's Annual Repor
ST Debt	4,247	Current Portion of LT Debt
LT Debt	2,858	Total Long-term liability
Debt Weight	44.12%	Calculation on Company's Annual Repor
Equity Weight	55.88%	Calculation on Company's Annual Report

WACC = 1.40% × 44.12% + 14.80% × 55.88% = 8.89%

Sensitivity Analysis

	WACC										
4)		8.50%	8.70%	8.90%	9.10%	9.30%					
Rate	3.00%	11.63	11.00	10.45	9.87	9.36					
άŽ	2.80%	11.12	10.53	10.00	9.46	8.98					
‡	2.60%	10.63	10.08	9.58	9.07	8.61					
Growth	2.40%	10.18	9.66	9.19	8.71	8.27					
)rc	2.20%	9.76	9.26	8.82	8.36	7.95					
	2.00%	9.36	8.89	8.47	8.04	7.65					
Ja	1.80%	8.99	8.55	8.15	7.73	7.36					
nir	1.60%	8.64	8.22	7.84	7.44	7.09					
erminal	1.40%	8.31	7.91	7.54	7.17	6.83					
Ţ	1.20%	7.99	7.61	7.27	6.91	6.58					
	1.00%	7.70	7.33	7.00	6.66	6.35					

Company Industry Investment Thesis Valuation Risks 14

Valuation – DCF Overview



Through DCF model, OPEN's implied share price resulted at \$8.47 over 12-month investment horizon, representing a 67% upside from the closing price of \$5.06 as of 18 Aug 2022

DCF Summary

Bull Case		Base	Case		Bear Case			
\$10.77 +112.9%		\$8.47	+67.5%		\$6	.46 +27	7.7%	
		FY22F	:	FY23F	FY25F	FY26F	FY27F	
Total Operating Profit (Loss)		(1	156)	(201)	272	691	1,168	
(+) Depreciation & Amortization	า		52	54	70	92	120	
(+) Stock-based compensation	1	3	347	358	465	614	798	
			243	210	807	1,397	2,086	
A.I. EDITOA		•	240	210	007	1,007	2,000	
Adj. EBITDA (-) Tax			(0)	(0)	0	(1)	(1)	
(-) Capex		(·	108)	(111)	(145)	(1)	(248)	
(-) Change in NWC		•	807	(321)	(644)	(628)	(1,139)	
Unlevered FCF			942	(222)	18	577	698	
Terminal Value				,			10,325	
FCF to DCF			942	(222)	18	577	11,023	
Discount Rate	8.89%							
Perpetuity Growth Rate	2.00%							
Discount Period			1	2	3	4	5	
Discount Factor		C	0.92	0.84	0.77	0.71	0.65	
PV of Unleveled FCF		8	865	(187)	14	411	7,200	
Enterprise Value	8,	302					,	
(-) Debt	(6,	109)	W.					
(+) Cash	,	062	1 1					
Equity Value	,	255						
Shares Outstanding		620						
Fair Value of Stock	8	3.47						

Scenario Summary

Bull Case

- Revenue growth sales at 45% 5Y CAGR
- 3 M&As per year
- Recession effect lasts less than year until 2023
- Opendoor can withstand the recession by maintaining +5% growth in revenue in 2023
- GPM scales slightly to 12% by FY25F

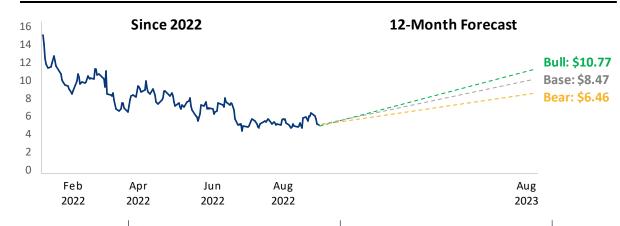
Base Case

- Revenue growth sales at 35% 5Y CAGR
- 2 M&As per year
- Recession effect lasts for a year until 2023
- Opendoor can withstand the recession by maintaining +3% growth in revenue in 2023
- GPM scales slightly to 11% by FY25F

Bear Case

- · Revenue growth sales at 26% 5Y CAGR
- 1 M&A per year
- Recession effect lasts for two years until 2024
- · Opendoor is reluctant to withstand the recession, recording a negative revenue growth of 5% in 2023
- · GPM scales slightly to 10% by FY25F

Share Price Projection



Valuation – Relative Valuation



Comparable companies were screened based on factors such as industry (iBuyer) and geographical operations (US). The only metric that we were able to use in our analysis is *EV/Revenue*, as most peers' *EBITDA* and *Net Income* are negative. The implied value per share using the average benchmark is \$8.02.

Comparable

Company Name	EV/Revenue
Offerpad	0.35x
Redfin	0.87x
Zillow	1.06x
Compass	0.39x

Benchmark	Multiple
Average	0.63x
Median	0.67x
75 th Percentile	0.39x
High	1.06x

		SILL
Opendoor	(0),	0.58x

Opendoor Valuation	Median	Average	75 th Percentile
Implied Enterprise Value	9,725	10,343	14,202
Implied Market Value	4,393	5,011	8,870
Implied Value per Share	\$7.03	\$8.02	\$14.20

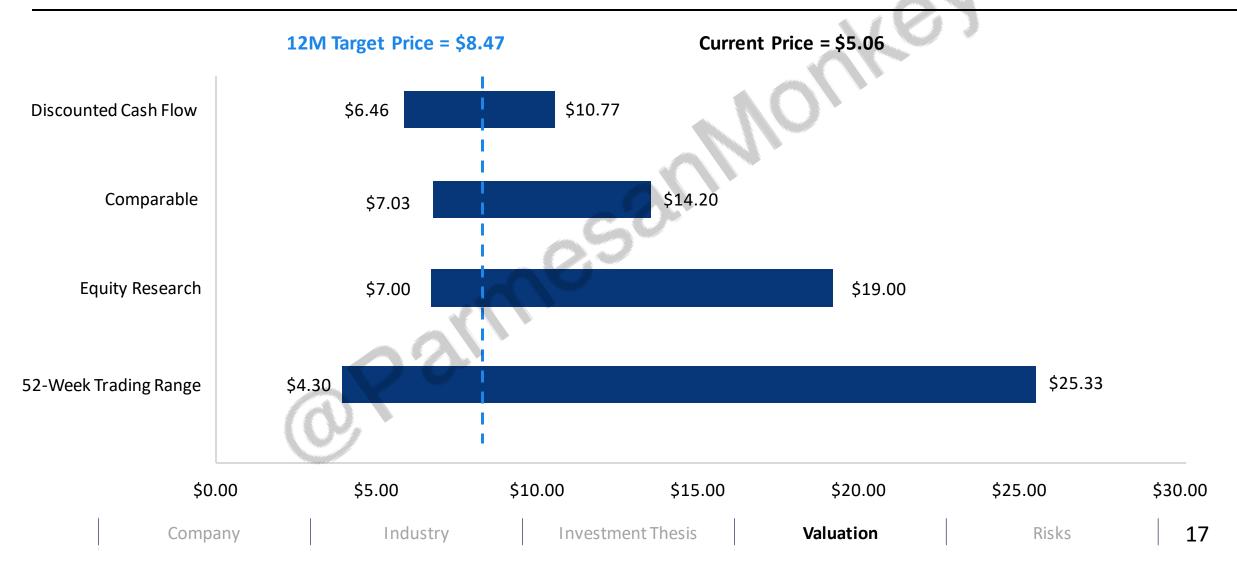
Company Industry Investment Thesis **Valuation** Risks 16

Valuation – Football Field Analysis



Our intrinsic share value from our DCF and relative valuation is \$8.47, representing a 67% upside from the closing price of USD\$5.06 per share as of 18 Aug 22





A. Liquidity Risk

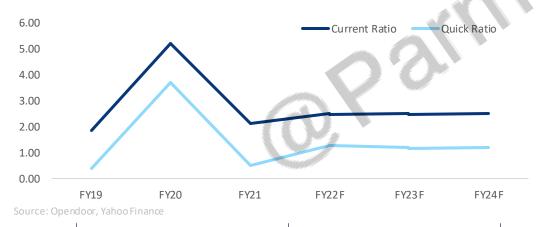
Likelihood: medium; Impact: medium

Opendoor's market expansions rely heftily on purchasing real estate assets, thus increasing its inventory exposure to structural market risks

Illustrative Case - Opendoor Under Housing Bubble Burst

Minimal Impact on Opendoor: Opendoor's average holding period is less than 120 days so owning a market-maker stock has a larger safety net over other real estate businesses in the bear market.

Moreover, current and quick ratio moves towards the same direction despite market conditions, proving inventory's low proportional impact on liquidity



B. Poor Reputation due to \$62M SFC Fine

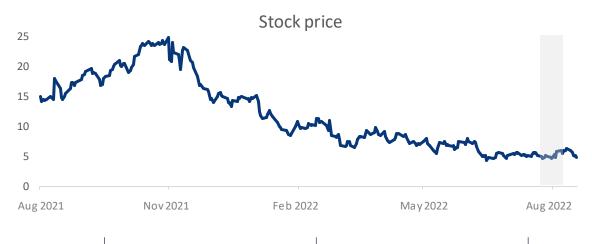
Likelihood: low; Impact: low

The FTC fined Opendoor \$62M for misleading customers with its marketing content, promising that they would make more selling to Opendoor, when Opendoor on average paid below market values for homes

Minimal impact on stockholder confidence

Opendoor explained that "the allegations raised by the FTC were related to activity that occurred between 2017 and 2019 and targeted marketing messages the company modified years ago"

After the allegation, there was only a slight drop in stock price, which then soared after the announcement of the partnership with Zillow



Valuation

C. Credit Risk

Likelihood: medium; Impact: high

Default behavior can occur due to cash flow shortfalls, and exposure to credit events will increase as Opendoor offers wider range of products

Mitigation 1: Limit exposure to borrower defaults within a short period

Liquid secondary market: Opendoor's credit risk on mortgage loans held for sale is mitigated by selling mortgages on the secondary market within a relatively short period of time

Having a large customer base allows credit risk exposure to be limited within the initial few months of the mortgage, where borrowers are more likely to have sufficient net operating income for repayment

Mitigation 2: Increasing credit limit supports the need for leverage



D. Bear Market

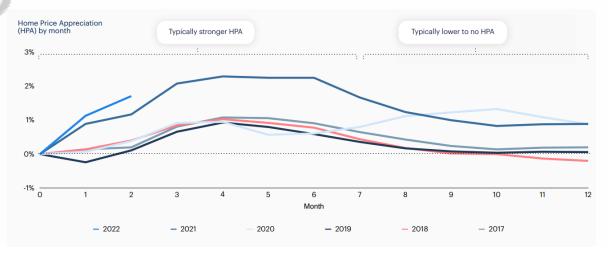
Likelihood: high; Impact: medium

In a bear market, homes are falling in value and velocity of transactions also plummets, putting Opendoor at the risk of selling houses at a loss

Strong track record managing through low HPA environments

Due to Opendoor's exceptional business model that does not solely derive revenue from HPA growth, as a market maker it can control its spread; capitalize on its inventories and lower operating expenses

Therefore, despite periods of positive, flat and negative HPA, Opendoor has delivered 21 consecutive quarters of positive contribution margin

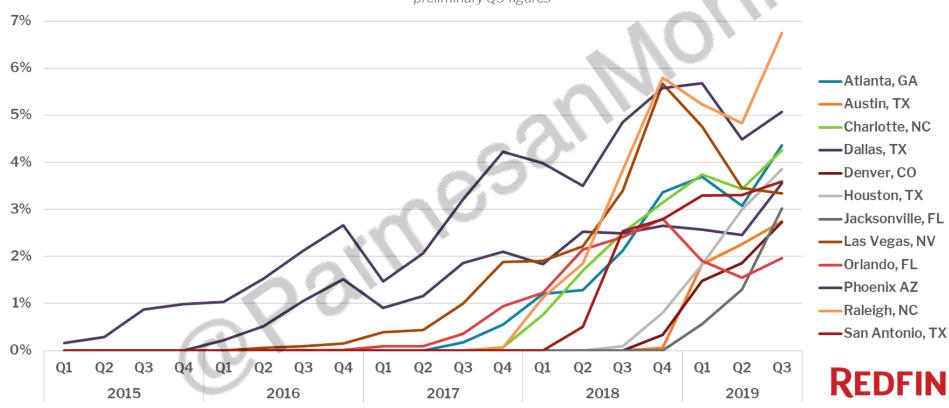


Appendix – Markets with Highest iBuyer Market Share



6.8% of Homes Sold in Raleigh Were Purchased by iBuyers in Q3

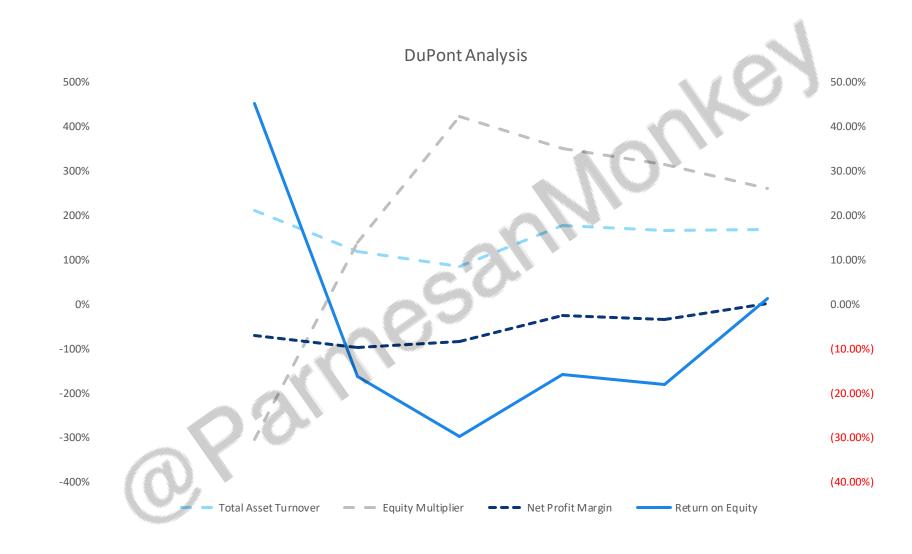
iBuyer Sales as a Percentage of Total Sales, by Market *preliminary Q3 figures



Source: RedFin

Appendix – ROE

Opendoor



Source: Opendoor

Appendix – DCF Model



CF Modelling: FCF		FY19	FY20	FY21	FY22F	FY23F	FY24F	FY25F	FY26F
CF = Adj. EBITDA - Tax - Net Capex - Inc	rease in Working Capital								
Total Operating Profit (Loss)					(156)	(201)	272	691	1,168
(+) Depreciation & Amortization					52	54	70	92	120
(+) Stock-based compensation					347	358	465	614	798
Adj. EBITDA		(220)	(126)	(5)	243	210	807	1,397	2,086
(-) Tax		(0)	(0)	(1)	(0)	(0)	0	(1)	(1)
(-) Capex		(28)	(17)	(33)	(108)	(111)	(145)	(191)	(248)
(-) Change in NWC			(453)	(5,672)	807	(321)	(644)	(628)	(1,139)
Unlevered FCF		(248)	(596)	(5,711)	942	(222)	18	577	698
Terminal Value		(= : -)	(000)			(/			10,325
FCF to DCF		(248)	(596)	(E 744)	942	(222)	18	 577	11,023
FCF to DCF		(240)	(390)	(5,711)	342	(222)	10	577	11,023
Discount Rate	8.89%								
Perpetuity Growth Rate	2.00%								
Enterprise Value	8,302								
(-) Debt	(6,109)								
(+) Cash	3,062								
Equity Value	5,255								
Shares Outstanding	620								
Fair Value of Stock	\$8.47								
Olasiaa Dries (as at 10 Aves 20)	\$5.00								
Closing Price (as at 18-Aug-22)	\$5.06								
Upside/ Downside potential	67.5%								

 Company
 Industry
 Investment Thesis
 Valuation
 Risks
 22

Appendix – Comparables

25th Percentile

Low

Opendoor

0.38x

0.35x

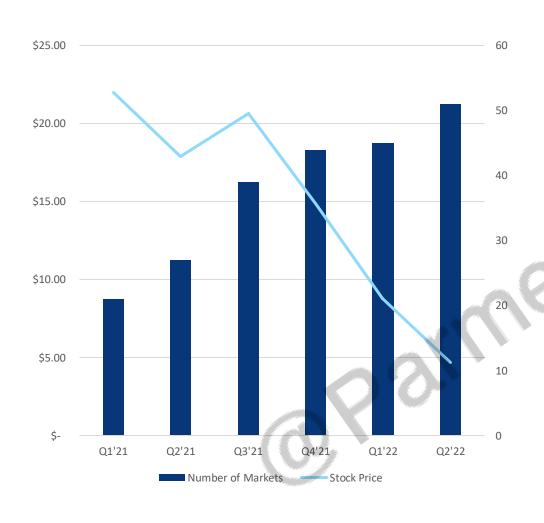
		Mar	ket Data			Financials	(in \$ million)			Valuation
Company	Ticker	Share	Shares Outstanding	Equity Value	Net Debt	Enterprise	Revenue	EBITDA	Net Income	EV/Revenue
Opendoor	OPEN	\$5.99	625	3,594	5,332	8,926	15,437	74	(274)	0.58x
Offerpad	OPAD	\$1.69	232	506	856	1,363	3,861	81	50	0.35x
Redfin	RDFN	\$11.96	107	1,209	879	2,088	2,387	(141)	(219)	0.87x
Zillow	ZG	\$38.66	60	9,300	2,228	11,528	10,885	(232)	(566)	1.06x
Compass	COMP	\$4.65	429	2,007	581	2,588	6,704	(396)	(470)	0.39x
High							1.11			1.06x
75th Percent	tile									0.92x
Average										0.67x
Median										0.63x

Opendoor Valuation (in million)	Median	Average	75th Percentile
Implied Enterprise Value	9,725	10,343	14,202
Net Debt	5,332	5,332	5,332
Implied Market Value	4,393	5,011	8,870
Shares Outstanding	625	625	625
Implied Value Per Share	\$7.03	\$8.02	\$14.20

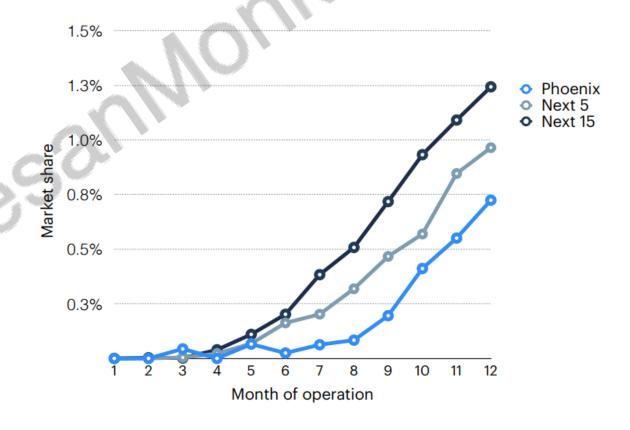
Appendix – How do Expansion Plans Affect Stock Price



24



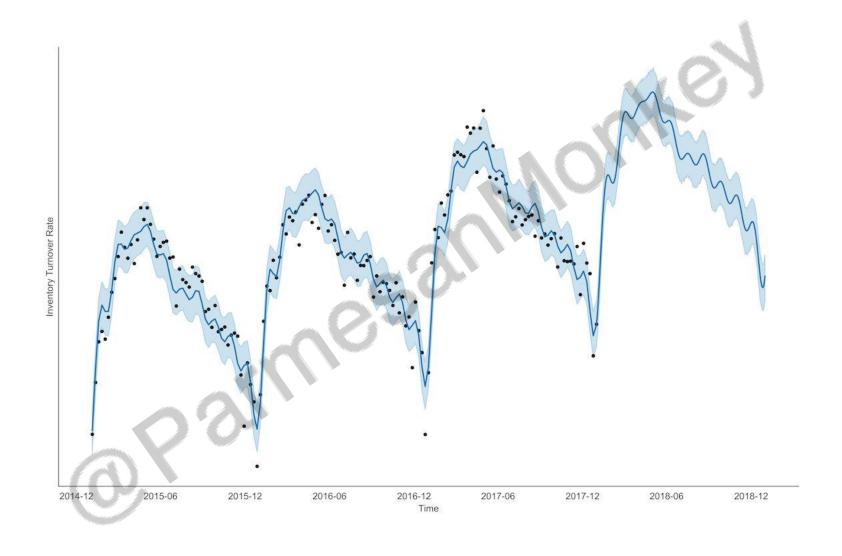
Market share by market maturity

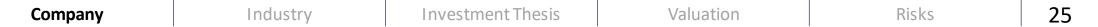


Source: Opendoor

Appendix – Opendoor's Liquidity Model shows Housing Cycle

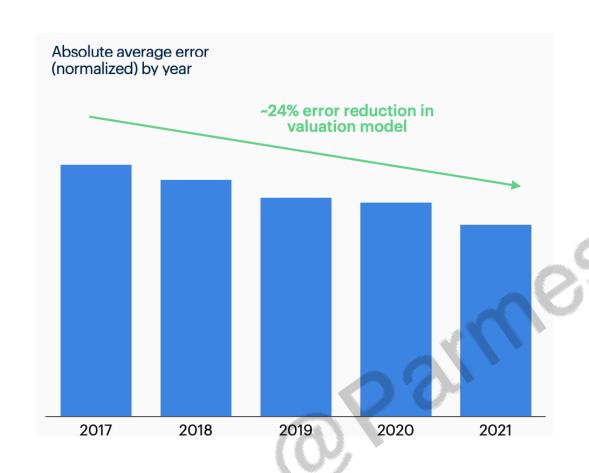
Opendoor

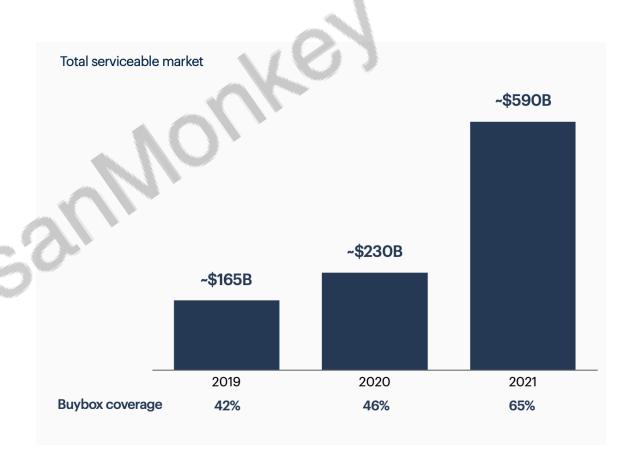




Appendix – Opendoor improving pricing model while increasing buybox coverage







Source: Opendoor