

JD.com (JD US)

Food delivery investment weighed on nearterm earnings but target is clear

JD.com (JD) reported (14 Aug) 2Q25 results: revenue was RMB356.7bn, up 22.4% YoY (2Q24: 1.2%; 1Q25: 15.8%), 6% ahead of both our forecast and Bloomberg consensus, driven by better-than-expected JD Retail (JDR) revenue growth and incremental logistics revenue contributed from food delivery (FD) business. Non-GAAP NP was RMB7.4bn, down 49% YoY due to incremental investment in FD, but 38% ahead of consensus, driven by a 16% beat on JDR's OP. Operating loss of RMB14.8bn for new businesses was wider than our previous expectation of RMB10.6bn, owing to more aggressive-than-expected investment in FD. Management highlighted the encouraging early-stage synergy with e-commerce business, including >40% YoY growth in quarterly active users (QAU) and shopping frequency for JD platform in 2Q25, and steady increase in cross-selling from FD users to e-commerce business. We expect the operating loss of FD to widen QoQ in 3Q25 given rising order volume, although this could be partly offset by improving unit economics. We believe synergies with e-commerce business and sustainability, as well as greater visibility on group-level earnings growth remain key drivers for stock price. Our DCF-based TP is fine-tuned to US\$49.4 (was US\$50.0) per ADS to account for likely heavier-than-expected investment in FD. Maintain BUY.

- JDR delivered robust revenue and earnings growth. JDR inked revenue of RMB310.1bn in 2Q25, up 21% YoY (1Q25: 16%), 5% better than consensus, while its OP reached RMB13.9bn, up 38% YoY (1Q25: 38%), and OPM of JDR was up by 0.6ppts YoY to 4.5%, driven by ongoing GPM expansion, ahead of consensus at 3.9%. To account for the relatively high base in Aug 2024 due to national subsidy program, we are anticipating YoY revenue/OP growth of 10/11% for JDR in 3Q25E, to reach RMB247.6bn/12.9bn.
- Strong logistics and other service revenue growth aided by FD expansion. By revenue stream, within net product revenue, electronics and home appliances (E&HA) revenue was up 23% YoY (1Q25: 17%), still boosted by the national subsidy program. General merchandise revenue was up 16% YoY (1Q25: 15%), thanks to solid revenue growth of fashion and supermarket categories. Net services revenue also saw acceleration in YoY growth in 2Q25, among which marketplace and ads revenue was up 22% YoY (1Q25: 16%) driven by solid GMV growth, and logistics and other service revenue was up 34% YoY (1Q25: 13%) driven by incremental revenue contribution from FD related delivery business.
- Investment on food delivery brought early-stage synergies. Operating loss generated from new businesses was RMB14.8bn in 2Q25 (2Q24: RMB695mn), mainly due to the investment to support FD business growth. However, the investment has delivered some early-stage results: both the no. of QAUs and user shopping frequency on JD's platform grew over 40% YoY in 2Q, and management noted that cross-selling ratio from FD users to supermarket, lifestyle services and electronic accessory categories is on an improving trend. Management guided to focus more on refining subsidy strategy, improving fulfilment efficiency, and enhancing system and infrastructure capability to improve the profitability of FD business in the longer term.
- Update on shareholder return. JD has halted share repurchases since 1Q25 earnings release, and the remaining amount under the share repurchase program is US\$3.5bn and will be effective through August 2027. However, long-term commitment to shareholder return remains unchanged, per management.

BUY (Maintain)

 Target Price
 US\$49.40

 (Previous TP
 US\$50.00)

 Up/Downside
 52.0%

 Current Price
 US\$32.51

China Internet

Saiyi HE, CFA (852) 3916 1739 hesaiyi@cmbi.com.hk

Ye TAO, CFA franktao@cmbi.com.hk

Wentao LU, CFA luwentao@cmbi.com.hk

Joanna Ma (852) 3761 8838 joannama@cmbi.com.hk

Stock Data

Mkt Cap (US\$ mn)	50,000.4
Avg 3 mths t/o (US\$ mn)	137.7
52w High/Low (US\$)	47.08/25.80
Total Issued Shares (mn)	1538.0
Source: FactSet	

Shareholding Structure

Share Performance

Max Smart Limitied	9.6%
BlackRock	4.7%
6 LU/E	-

Source: HKEx

Absolute Relative 1-mth 5.6% 0.3% 3-mth -9.0% -19.8% 6-mth -21.4% -27.5%

Source: FactSet

12-mth Price Performance (US\$ 50.0 IXIC (Rebased) 45.0 40.0 35.0 30.0 25.0 Aug-24 Nov-24 Feb-25 May-25 Aug-25

Source: FactSet



Earnings Summary

(YE 31 Dec)	FY23A	FY24A	FY25E	FY26E	FY27E
Revenue (RMB mn)	1,084,662	1,158,819	1,322,361	1,406,555	1,483,857
YoY growth (%)	3.7	6.8	14.1	6.4	5.5
Net profit (RMB mn)	24,167.0	41,359.0	22,165.4	36,152.4	49,672.6
Adjusted net profit (RMB mn)	35,200.0	47,827.0	27,097.0	39,847.0	53,570.4
EPS (Adjusted) (RMB)	22.17	31.07	17.62	25.91	34.83
Consensus EPS (RMB)	na	31.07	18.12	28.20	34.40
P/E (x)	15.2	8.4	15.7	9.6	7.0

Source: Company data, Bloomberg, CMBIGM estimates



Business forecasts update and valuation

Figure 1: JD: quarterly financial results

(RMBbn)	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	2Q25 CMBI estimates	Diff%	2Q25E Consensus	Diff%
Revenue breakdown by							Johnnatoo			
product and services revenue										
Net product revenues	208.5	233.9	204.6	281.0	242.3	282.4	271.7	3.9%	269.8	4.7%
YoY growth (%)	6.6%	0.0%	4.8%	14.0%	16.2%	20.7%				
Electronics and home	100.0	1151	100.6	1711	1112	170.0	160.4	E 70/	167.0	7 40/
appliance revenues	123.2	145.1	122.6	174.1	144.3	179.0	169.4	5.7%	167.2	7.1%
YoY growth (%) General merchandise	5.3%	-4.6%	2.7%	15.8%	17.1%	23.4%				
revenues	85.3	88.8	82.1	106.8	98.0	103.4	102.3	1.1%	102.7	0.7%
YoY growth (%)	8.6%	8.7%	8.0%	11.1%	14.9%	16.4%	. 02.0	11170	.02	011 /0
Net services revenues	51.5	57.5	55.8	66.0	58.8	74.2	65.7	13.0%	65.3	13.7%
Yo Y growth (%) Marketplace and advertising	8.8%	6.3%	6.5%	10.8%	14.0%	29.1%		10.070	55.6	1011 /0
revenues	19.3	23.4	20.8	26.6	22.3	28.5	27.2	4.9%	26.7	6.6%
YoY growth (%)	1.2%	4.1%	6.3%	12.7%	15.7%	21.7%				
Logistics and other service										
revenues	32.3	34.1	35.0	39.4	36.5	45.7	38.5	18.8%	38.6	18.6%
YoY growth (%)	13.8%	7.9%	6.5%	9.5%	13.0%	34.3%				
Revenue breakdown by business segments										
JD Retail	226.8	257.1	225.0	307.1	263.8	310.1	298.3	3.9%	296.3	4.7%
YoY growth (%)	6.8%	1.5%	6.1%	14.7%	16.3%	20.6%				
JD Logistics	42.1	44.2	44.4	52.1	47.0	51.6				
YoY growth (%) New businesses (including	14.7%	7.7%	6.6%	10.4%	11.5%	16.6%				
Dada)	4.9	4.6	5.0	4.7	5.8	13.9				
YoY growth (%)	19.2%	35.0%	25.7%	31.0%	18.1%	198.8%				
Intersegment elimination	-13.8	-14.5	-14.0	-16.8	-15.5	-18.8				
Total revenue	260.0	291.4	260.4	347.0	301.1	356.7	337.4	5.7%	335.5	6.3%
YoY growth (%)	7.0%	1.2%	5.1%	13.4%	15.8%	22.4%				
Gross profit	39.8	45.9	45.0	53.1	47.8	56.6	54.7	3.6%	51.7	9.5%
·								-		-
Operating profit	7.7	10.5	12.0	8.5	10.5	-0.9	1.9	146.2%	3.7	123.5%
JD Retail OP	9.3	10.1	11.6	10.0	12.8	13.9	11.6	19.8%	12.0	16.3%
YoY growth (%) New businesses (including	-5.3%	24.1%	5.5%	44.7%	37.8%	37.9%				
Dada)	-0.7	-0.7	-0.6	-0.9	-1.3	-14.8				
Non-GAAP net profit	8.9	14.5	13.2	11.3	12.8	7.4	4.6	60.7%	5.4	38.2%
YoY growth (%)	17.2%	69.0%	23.9%	34.2%	43.4%	-48.9%				
Margin profile										
GPM (%)	15.3%	15.8%	17.3%	15.3%	15.9%	15.9%	16.2%	-0.3 ppt	15.4%	0.5 pp
OPM (%)	3.0%	3.6%	4.6%	2.4%	3.5%	-0.2%	0.6%	-0.8 ppt	1.1%	-1.3 ppt
JD Retail	4.1%	3.9%	5.2%	3.3%	4.9%	4.5%	3.9%	0.6 ppt	4.0%	0.5 ppt
Adjusted NPM (%)	3.4%	5.0%	5.1%	3.3%	4.2%	2.1%	1.4%	0.7 ppt	1.6%	0.5 ppt

Source: Bloomberg, Company data, CMBIGM estimates



Figure 2: JD: forecast revision

		Current			Previous		Change (%)		
RMB bn	2025E	2026E	2027E	2025E	2026E	2027E	2025E	2026E	2027E
Revenue	1,322.4	1,406.6	1,483.9	1,292.7	1,365.7	1,442.9	2.3%	3.0%	2.8%
Gross profit	212.0	226.0	238.8	209.1	223.6	236.9	1.4%	1.1%	0.8%
Operating profit	11.5	28.7	46.2	13.4	33.2	56.7	-14.0%	-13.6%	-18.6%
Non-GAAP net profit	27.1	39.8	53.6	24.4	39.8	58.5	11.3%	0.1%	-8.5%
Gross Margin	16.0%	16.1%	16.1%	16.2%	16.4%	16.4%	-0.1 ppt	-0.3 ppt	-0.3 ppt
OPM	0.9%	2.0%	3.1%	1.0%	2.4%	3.9%	-0.1 ppt	-0.4 ppt	-0.8 ppt
- JD Retail	4.4%	4.4%	4.5%	4.3%	4.3%	4.4%	0.1 ppt	0.1 ppt	0.1 ppt
Non-GAAP net margin	2.0%	2.8%	3.6%	1.9%	2.9%	4.1%	0.2 ppt	-0.1 ppt	-0.4 ppt

Source: CMBIGM estimates

Figure 3: CMBIGM estimates vs consensus

Current			C	onsensus		Diff (%)			
RMB bn	2025E	2026E	2027E	2025E	2026E	2027E	2025E	2026E	2027E
Revenue	1,322.4	1,406.6	1,483.9	1,294.5	1,375.6	1,447.1	2.2%	2.3%	2.5%
Gross profit	212.0	226.0	238.8	203.6	219.9	233.3	4.2%	2.8%	2.3%
Operating profit	11.5	28.7	46.2	18.0	35.0	47.4	-36.1%	-18.0%	-2.5%
Non-GAAP net profit	27.1	39.8	53.6	27.6	42.5	51.0	-1.7%	-6.1%	5.0%
Gross Margin	16.0%	16.1%	16.1%	15.7%	16.0%	16.1%	0.3 ppt	0.1 ppt	0.0 ppt
Non-GAAP net margin	2.0%	2.8%	3.6%	2.1%	3.1%	3.5%	-0.1 ppt	-0.3 ppt	0.1 ppt

Source: Bloomberg, CMBIGM estimates

DCF-based target price of US\$49.4

Our target price of US\$49.4 is derived from the DCF valuation methodology (WACC of 11.8% and terminal growth of 1.5%; both unchanged).

Figure 4: JD: DCF valuation (WACC of 11.8% and terminal growth of 1.5%)

(RMBbn)	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	2033E	2034E
Total revenue	1,322	1,407	1,484	1,544	1,591	1,629	1,658	1,681	1,699	1,713
NPV of FCF	244									
Discounted										
terminal										
value	173									
Total equity										
valuation	555									
No. of shares										
(diluted, mn)	1,538									
TP per share										
(US\$)	49.4									

Source: Bloomberg, CMBIGM estimates

Risks

1) Consumption recovery takes longer than we expect; 2) more intensified-than-expected business competition; 3) more aggressive-than-expected investment on FD business may weigh on earnings growth.



Financial Summary

INCOME STATEMENT	2022A	2023A	2024A	2025E	2026E	2027E
YE 31 Dec (RMB mn)						
Revenue	1,046,236	1,084,662	1,158,819	1,322,361	1,406,555	1,483,857
Cost of goods sold	(899,163)	(924,958)	(974,951)	(1,110,329)	(1,180,506)	(1,245,088)
Gross profit	147,073	159,704	183,868	212,032	226,049	238,769
Operating expenses	(127,350)	(132,663)	(143,570)	(200,734)	(197,340)	(192,605)
Selling expense	(37,772)	(40,133)	(47,953)	(84,631)	(77,361)	(66,774)
Admin expense	(11,053)	(9,710)	(8,888)	(11,372)	(11,956)	(12,464)
R&D expense	(16,893)	(16,393)	(17,031)	(20,100)	(21,098)	(21,961)
Others	(61,632)	(66,427)	(69,698)	(84,631)	(86,925)	(91,406)
Operating profit	19,723	27,041	40,298	11,298	28,710	46,165
Other gains/(losses)	(1,555)	7,496	13,371	14,222	14,222	14,222
Share of (losses)/profits of associates/JV EBIT	(2,195) 15,973	1,010 35,547	2,327 55,996	5,317 30,837	5,317 48,249	5,317 65,704
Interest income	(2,106)	(2,881)	(2,896)	(2,496)	(2,496)	(2,496)
Others	(2,100)	(1,016)	(1,562)	224	(2,490)	(2,490)
Pre-tax profit	13,867	31,650	51,538	28,565	45,753	63,208
Income tax	4,176	8,393	6,878	3,799	7,000	10,935
After tax profit	9,691	23,257	44,660	24,765	38,752	52,273
Minority interest	(697)	(910)	3,301	2,600	2,600	2,600
Discontinued operations	0	0	0	0	0	0
Others	(8)	0	0	0	0	0
Net profit	10,380	24,167	41,359	22,165	36,152	49,673
Adjusted net profit	28,220	35,200	47,827	27,097	39,847	53,570
BALANCE SHEET	2022A	20224	20244	2025E	20265	2027E
YE 31 Dec (RMB mn)	2022A	2023A	2024A	2025E	2026E	2027E
Current assets	351,074	307,810	386,698	447,740	498,268	564,479
Cash & equivalents	78,861	71,892	108,350	164,784	207,505	266,318
Restricted cash	6,254	7,506	7,366	7,366	7,366	7,366
Account receivables	20,576	20,302	25,596	28,983	30,829	32,523
Inventories	77,949	68,058	89,326	89,619	95,283	100,496
Prepayment	15,156	15,639	15,951	15,951	15,951	15,951
Other current assets	152,278	124,413	140,109	141,037	141,335	141,825
Non-current assets	244,176	321,148	311,536	322,130	331,739	340,364
PP&E	55,080	70,035	82,737	93,331	102,940	111,565
Right-of-use assets	22,267	20,863	24,532	24,532	24,532	24,532
Deferred income tax	1,536	1,744	2,459	2,459	2,459	2,459
Investment in JVs & assos	57,641	56,746	56,850	56,850	56,850	56,850
Intangibles	9,139	6,935	7,793	7,793	7,793	7,793
Goodwill	23,123	19,980	25,709	25,709	25,709	25,709
Other non-current assets Total assets	75,390 595,250	144,845 628,958	111,456 698,234	111,456 769,869	111,456 830,007	111,456 904,843
Total assets	333,230	020,930	030,234	703,003	030,007	304,043
Current liabilities	266,561	265,650	299,521	319,262	333,600	347,821
Short-term borrowings	12,146	5,034	7,581	7,581	7,581	7,581
Account payables	160,607	166,167	192,860	204,440	217,361	229,253
Tax payable	5,926	7,313	9,487	9,487	9,487	9,487
Other current liabilities	37,624	35,848	36,002	44,163	45,580	47,910
Lease liabilities	7,688	7,755	7,606	7,606	7,606	7,606
Accrued expenses Non-current liabilities	42,570 54 566	43,533	45,985 95 446	45,985	45,985	45,985
Long-term borrowings	54,566 10,224	66,928 10,411	85,416 24,770	112,176 51,530	115,537 54,891	119,984 59,338
Deferred income	1,107	964	502	502	502	502
Other non-current liabilities	43,235	55,553	60,144	60,144	60,144	60,144
Total liabilities	321,127	332,578	384,937	431,438	449,137	467,806
Ohana anaitai	2	•	2	2	2	•
Share capital	213 366	0 221 858	220 247	0 245 187	0 251 474	0 257.068
Capital surplus	213,366 0	231,858 0	239,347 0	245,187 22,165	251,474 58,318	257,968 107,990
Retained earnings Other reserves	590	614	484	22,165 (2,387)	(2,387)	107,990 (2,387)
Total shareholders equity	213,956	232,472	239,831	264,965	307,404	363,571
Minority interest	60,167	63,908	73,466	73,466	73,466	73,466
Total equity and liabilities	595,250	628,958	698,234	769,869	830,007	904,843
• •	•	,	•	•	•	,



CASH FLOW	2022A	2023A	2024A	2025E	2026E	2027E
YE 31 Dec (RMB mn)						
Operating						
Profit before taxation	13,867	31,650	51,538	28,565	45,753	63,208
Depreciation & amortization	7,236	8,292	8,904	9,999	10,888	11,515
Tax paid	(4,176)	(8,393)	(6,878)	(3,799)	(7,000)	(10,935)
Change in working capital	22,119	16,547	5,350	15,134	6,530	6,824
Others	18,773	11,425	(819)	3,458	3,687	3,894
Net cash from operations	57,819	59,521	58,095	53,356	59,858	74,506
Investing						
Capital expenditure	(38,165)	(15,050)	(16,950)	(20,593)	(20,497)	(20,140)
Acquisition of subsidiaries/ investments	(184,792)	(194,987)	(151,608)	0	0	0
Net proceeds from disposal of short-term investments	171,853	225,889	168,481	0	0	0
Others	(2,922)	(75,395)	(794)	0	0	0
Net cash from investing	(54,026)	(59,543)	(871)	(20,593)	(20,497)	(20,140)
Financing						
Net borrowings	7,027	1,562	13,113	26,760	3,361	4,448
Proceeds from share issues	(5,847)	(7,370)	(34,117)	0	0	0
Others	0	0	0	0	0	0
Net cash from financing	1,180	(5,808)	(21,004)	26,760	3,361	4,448
Net change in cash						
Cash at the beginning of the year	73,550	82,013	76,308	112,626	172,150	214,871
Exchange difference	3,490	125	98	0	0	0
Cash at the end of the year	82,013	76,308	112,626	172,150	214,871	273,684
GROWTH	2022A	2023A	2024A	2025E	2026E	2027E
YE 31 Dec						
Revenue	9.9%	3.7%	6.8%	14.1%	6.4%	5.5%
Gross profit	14.0%	8.6%	15.1%	15.3%	6.6%	5.6%
Operating profit	376.3%	37.1%	49.0%	(72.0%)	154.1%	60.8%
EBIT	na	122.5%	57.5%	(44.9%)	56.5%	36.2%
Net profit	na 04 00/	132.8%	71.1%	(46.4%)	63.1%	37.4%
Adj. net profit	64.0%	24.7%	35.9%	(43.3%)	47.1%	34.4%
PROFITABILITY	2022A	2023A	2024A	2025E	2026E	2027E
YE 31 Dec	4.4.407	4.4.70/	45.00/	40.00/	40.40/	40.40/
Gross profit margin	14.1%	14.7%	15.9%	16.0%	16.1%	16.1%
Operating margin	1.9%	2.5%	3.5%	0.9%	2.0% 2.8%	3.1% 3.6%
Adj. net profit margin	2.7% 4.9%	3.2% 10.8%	4.1% 17.5%	2.0% 8.8%	2.8% 12.6%	14.8%
Return on equity (ROE) GEARING/LIQUIDITY/ACTIVITIES	2022A	2023A	2024A	2025E	2026E	2027E
YE 31 Dec	2022A	2023A	2024A	2023L	2020L	2021
Net debt to equity (x)	(0.3)	(0.2)	(0.3)	(0.4)	(0.5)	(0.5)
Current ratio (x)	1.3	1.2	1.3	1.4	1.5	1.6
Receivable turnover days	5.7	6.9	7.2	7.5	7.8	7.8
Inventory turnover days	(31.2)	(28.8)	(29.5)	(29.4)	(28.6)	(28.7)
Payable turnover days	(61.1)	(64.5)	(67.2)	(65.3)	(65.2)	(65.5)
VALUATION	2022A	2023A	2024A	2025E	2026E	2027E
YE 31 Dec						
P/E	35.1	15.2	8.4	15.7	9.6	7.0
P/E (diluted)	35.7	15.3	8.7	16.2	9.9	7.2

Source: Company data, CMBIGM estimates. Note: The calculation of net cash includes financial assets.



Disclosures & Disclaimers

Analyst Certification

The research analyst who is primary responsible for the content of this research report, in whole or in part, certifies that with respect to the securities or issuer that the analyst covered in this report: (1) all of the views expressed accurately reflect his or her personal views about the subject securities or issuer; and (2) no part of his or her compensation was, is, or will be, directly or indirectly, related to the specific views expressed by that analyst in this report.

Besides, the analyst confirms that neither the analyst nor his/her associates (as defined in the code of conduct issued by The Hong Kong Securities and Futures Commission) (1) have dealt in or traded in the stock(s) covered in this research report within 30 calendar days prior to the date of issue of this report; (2) will deal in or trade in the stock(s) covered in this research report 3 business days after the date of issue of this report; (3) serve as an officer of any of the Hong Kong listed companies covered in this report; and (4) have any financial interests in the Hong Kong listed companies covered in this report.

CMBIGM Ratings

: Stock with potential return of over 15% over next 12 months BUY HOLD Stock with potential return of +15% to -10% over next 12 months SELL NOT RATED : Stock with potential loss of over 10% over next 12 months

: Stock is not rated by CMBIGM

OUTPERFORM : Industry expected to outperform the relevant broad market benchmark over next 12 months MARKET-PERFORM : Industry expected to perform in-line with the relevant broad market benchmark over next 12 months UNDERPERFORM : Industry expected to underperform the relevant broad market benchmark over next 12 months

CMB International Global Markets Limited

Address: 45/F, Champion Tower, 3 Garden Road, Hong Kong, Tel: (852) 3900 0888 Fax: (852) 3900 0800

CMB International Global Markets Limited ("CMBIGM") is a wholly owned subsidiary of CMB International Capital Corporation Limited (a wholly owned subsidiary of China Merchants Bank)

Important Disclosures

There are risks involved in transacting in any securities. The information contained in this report may not be suitable for the purposes of all investors. CMBIGM does not provide individually tailored investment advice. This report has been prepared without regard to the individual investment objectives, financial position or special requirements. Past performance has no indication of future performance, and actual events may differ materially from that which is contained in the report. The value of, and returns from, any investments are uncertain and are not guaranteed and may fluctuate as a result of their dependence on the performance of underlying assets or other variable market factors. CMBIGM recommends that investors should independently evaluate particular investments and strategies, and encourages investors to consult with a professional financial advisor in order to make their own investment decisions.

This report or any information contained herein, have been prepared by the CMBIGM, solely for the purpose of supplying information to the clients of CMBIGM or its affiliate(s) to whom it is distributed. This report is not and should not be construed as an offer or solicitation to buy or sell any security or any interest in securities or enter into any transaction. Neither CMBIGM nor any of its affiliates, shareholders, agents, consultants, directors, officers or employees shall be liable for any loss, damage or expense whatsoever, whether direct or consequential, incurred in relying on the information contained in this report. Anyone making use of the information contained in this report does so entirely at their own risk.

The information and contents contained in this report are based on the analyses and interpretations of information believed to be publicly available and reliable. CMBIGM has exerted every effort in its capacity to ensure, but not to guarantee, their accuracy, completeness, timeliness or correctness. CMBIGM provides the information, advices and forecasts on an "AS IS" basis. The information and contents are subject to change without notice. CMBIGM may issue other publications having information and/ or conclusions different from this report. These publications reflect different assumption, point-of-view and analytical methods when compiling. CMBIGM may make investment decisions or take proprietary positions that are inconsistent with the recommendations or views in

CMBIGM may have a position, make markets or act as principal or engage in transactions in securities of companies referred to in this report for itself and/or on behalf of its clients from time to time. Investors should assume that CMBIGM does or seeks to have investment banking or other business relationships with the companies in this report. As a result, recipients should be aware that CMBIGM may have a conflict of interest that could affect the objectivity of this report and CMBIGM will not assume any responsibility in respect thereof. This report is for the use of intended recipients only and this publication, may not be reproduced, reprinted, sold, redistributed or published in whole or in part for any purpose without prior written consent of CMBIGM. Additional information on recommended securities is available upon request.

For recipients of this document in the United Kingdom

This report has been provided only to persons (I)falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended from time to time) ("The Order") or (II) are persons falling within Article 49(2) (a) to (d) ("High Net Worth Companies, Unincorporated Associations, etc.,) of the Order, and may not be provided to any other person without the prior written consent of CMBIGM.

For recipients of this document in the United States

CMBIGM is not a registered broker-dealer in the United States. As a result, CMBIGM is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. The research analyst who is primary responsible for the content of this research report is not registered or qualified as a research analyst with the Financial Industry Regulatory Authority ("FINRA"). The analyst is not subject to applicable restrictions under FINRA Rules intended to ensure that the analyst is not affected by potential conflicts of interest that could bear upon the reliability of the research report. This report is intended for distribution in the United States solely to "major US institutional investors", as defined in Rule 15a-6 under the US, Securities Exchange Act of 1934, as amended, and may not be furnished to any other person in the United States. Each major US institutional investor that receives a copy of this report by its acceptance hereof represents and agrees that it shall not distribute or provide this report to any other person. Any U.S. recipient of this report wishing to effect any transaction to buy or sell securities based on the information provided in this report should do so only through a U.S.-registered broker-dealer.

For recipients of this document in Singapore

This report is distributed in Singapore by CMBI (Singapore) Pte. Limited (CMBISG) (Company Regn. No. 201731928D), an Exempt Financial Adviser as defined in the Financial Advisers Act (Cap. 110) of Singapore and regulated by the Monetary Authority of Singapore. CMBISG may distribute reports produced by its respective foreign entities, affiliates or other foreign research houses pursuant to an arrangement under Regulation 32C of the Financial Advisers Regulations. Where the report is distributed in Singapore to a person who is not an Accredited Investor, Expert Investor or an Institutional Investor, as defined in the Securities and Futures Act (Cap. 289) of Singapore, CMBISG accepts legal responsibility for the contents of the report to such persons only to the extent required by law. Singapore recipients should contact CMBISG at +65 6350 4400 for matters arising from, or in connection with the report.