CMB International Global Markets | Equity Research | Company Update

Xiaomi (1810 HK) Xiaomi EV SU7's pricing and pre-order above expectations; Raise TP to HK\$22.19

Xiaomi officially launched its SU 7 Series electric sedans on 28 Mar, which are priced at RMB 215.9k/245.9k/299.9k for SU7/SU7 Pro/SU7 Max models. Its competitive pricing strategy was well-received by the market, and the initial preorders of 50k/89k units in first 27min/24hr are above market expectations, mainly due to its competitive specs, self-developed autonomous driving technology (Xiaomi Pilot), and unique integrated AloT ecosystem. In the near term, we believe investors will focus on pre-order momentum, shipment ramp-up and consumer feedback in next two months. Looking ahead, we remain positive on Xiaomi's unique "Human-car-home" ecosystem as major differentiation from other brands. We adjusted our forecasts to factor in EV shipment of 80k/150k/200k in FY24/25/26E, and assigned SOTP-based TP of HK\$22.19 (49% upside).

- Xiaomi SU7's pricing strategy is well received by the market. Xiaomi officially launched its SU 7 Series electric sedan model on 28 Mar, with the price of RMB 215.9k/245.9k/299.9k for SU7/SU7 Pro/SU7 Max models. SU7's technical specs (0-100km/h acceleration, battery voltage/miles, incabin system) outperform its peers in the same price range (e.g. Zeekr 001/007, Tesla Model 3, Luxeed S7, Xpeng P7i), in our view. We are positive on Xiaomi's competitive pricing and AloT ecosystem based on "Human-car-home" connectivity, which is its major competitive advantage over its EV peers.
- Initial pre-orders above market expectations; Shipment ramp-up will be major focus. The initial pre-order of 50k/89k units within the first 27 minutes/24 hours surpassed market expectations. We think Xiaomi's EV production capacity could be the near-term bottle-neck given 100k units annual capacity for Xiaomi's phase one plant. Total capacity will reach 300k units after second phase starts operation in March 2025. In the near term, we expect pre-order momentum, shipment ramp-up and consumer feedback will be the major market focus in next two months.
- Positive market response as near-term catalyst; Raise SOTP-based TP to HK\$22.19. Market reacted positively to Xiaomi's EV pricing and initial pre-orders, as Xiaomi ADR rallied over 11% post launch event. We think that Xiaomi's EV product pricing strategy and positive market response will be the near-term share price catalyst. We adjusted our forecasts to factor in EV shipment of 80k/150k/200k in FY24/25/26E, and assigned SOTP-based TP of HK\$22.19 (vs prior 24x FY24E P/E).

Earnings Summary

(YE 31 Dec)	FY22A	FY23A	FY24E	FY25E	FY26E
Revenue (RMB mn)	280,044	270,970	321,495	363,516	399,909
YoY growth (%)	(14.7)	(3.2)	18.6	13.1	10.0
Adjusted net profit (RMB mn)	8,518.0	19,272.8	17,321.0	17,891.6	22,614.7
YoY growth (%)	(61.4)	126.3	(10.1)	3.3	26.4
EPS (Adjusted) (RMB)	0.34	0.77	0.70	0.72	0.91
Consensus EPS (RMB)	N/A	N/A	0.64	0.70	0.83
P/E (x)	40.2	17.8	19.8	19.2	15.2
P/B (x)	2.4	2.1	1.9	1.8	1.7
Yield (%)	0.0	0.0	0.0	0.0	0.0
ROE (%)	1.8	11.3	7.6	7.4	9.2

Source: Company data, Bloomberg, CMBIGM estimates



BUY (Maintain)

Target Price HK\$22.19 (Previous TP HK\$20.25) Up/Downside 48.6% Current Price HK\$14.94

China Technology

Alex NG (852) 3900 0881 alexng@cmbi.com.hk

Claudia LIU

claudialiu@cmbi.com.hk

Stock Data

Mkt Cap (HK\$ mn)	303,909.5
Avg 3 mths t/o (HK\$ mn)	1,271.0
52w High/Low (HK\$)	16.80/9.99
Total Issued Shares (mn)	20342.0
Source: FactSet	

Shareholding Structure

Lin Bin	8.6%
Smart Mobile Holdings Ltd	8.6%
Source: HKEx	

Share Performance

	Absolute	Relative
1-mth	12.2%	12.5%
3-mth	-4.2%	-1.3%
6-mth	21.1%	30.4%
Source: FactSet		

12-mth Price Performance



Related reports:

- Xiaomi (1810 HK)- Raise TP and estimates on 4Q23 beat; All eyes on EV official launch on 28 March- 20th Mar 2024 (<u>link</u>)
- Xiaomi (1810 HK)-Key takeaways from Xiaomi SU7 launch: Positive on EV tech breakthroughs and 1H24E mass production- 29th Dec 2023 (<u>link</u>)



Focus Charts

Figure 1: Xiaomi SU7 Series in comparison with market peers

Model	Xiaomi SU7 Max	Xiaomi SU7 Pro	Xiaomi SU7	Tesla Model 3	Taycan	ZEEKER 001
Price (RMB)	299.9k	245.9k	215.9k	245.9k-285.9k	898k+	269k-329k
Dimensions (mm)	4997*1963*1455	4997*1963*1455	4997*1963*1455	4720*2089*1442	4963*1966*1395	4977*1999*1545
Wheelbase (mm)	3000	3000	3000	2875	2900	3005
Seating	5	5	5	5	4	5
Driving mode	Dual engine AWD	RWD	RWD	Dual engine AWD	RWD	RWD/AWD
Peak power (kw)	495	220	220	194/331	240/300	310/580
Peak torque (N.m)	838	400	400	340/559	345	440/810
0-100km/h acceleration (s)	2.78	5.7	5.28	6.1/4.4	5.4	3.3/3.5/5.9
Battery miles CLTC (km)	800	830/758	700	606/567/682/713	430/527	675/705/750
Battery type	NMC	NMC	LFP	LFP/NMC	NMC	LFP/NMC
Voltage	800V SiC	400V	400V	400V	800V	800V
System	HyperOS	HyperOS	HyperOS	Tesla	-	0001
SoC	Qualcomm 8295	Qualcomm 8295	Qualcomm 8295	AMD Ryzen	-	Qualcomm 8295
	2*	2*	2*	2	1	3
Screens	2	10	10		10	28
Speakers				9, 17		
Smart chatbot	Xiao Ai	Xiao Ai	Xiao Ai	-	-	EVA
System	Xiaomi Pilot Max	Xiaomi Pilot Max	Xiaomi Pilot Pro	Autopilot		ZEEKR AD
SoC	2*Orin	2*Orin	Orin	Tesla FSD		2*Mobileye EyeQ5H
Computing power (TOPS)	508	508	84	720		48
Number of camera	11	11	11	8	2	11
Number of ultrasonic radar	12	12	12	12/0	8	12
Number of LiDAR	1	1	-	0		1
Number of mm wave radar	3	3	1	0		1
Model	ZEEKER 007	Xpeng P7	Xpeng P7i	NIO ET5	BYD Han EV	Luxeed S7
	-0-0					
Price (RMB)	209.9k-299.9k	239.9k	223.9k-339.9k	298k	209.8k-299.8k	249.8k-349.8k
Dimensions (mm)	4865*1900*1450	4880*1896*1450	4888*1896*1450	4790*1960*1499	4995*1910*1495	4971*1963*1477
Wheelbase (mm)						
()	2928				2920	2950
Seating	2928 5	2998	2998 5	2888 5	2920 5	2950 5
Seating Driving mode	2928 5 RWD/AWD		2998	2888 5		5
Driving mode	5 RWD/AWD	2998 5	2998 5 RWD/Dual AWD	2888 5 Dual engine AWD	5 FWD/Dual AWD	5 RWD/Dual engine AWD
Driving mode Peak power (kw)	5 RWD/AWD 310/475	2998 5 RWD 196	2998 5 RWD/Dual AWD 203/348	2888 5 Dual engine AWD 360	5 FWD/Dual AWD 150/168/180	5
Driving mode Peak power (kw) Peak torque (N.m)	5 RWD/AWD 310/475 440/710	2998 5 RWD 196 390	2998 5 RWD/Dual AWD 203/348 440/757	2888 5 Dual engine AWD 360 700	5 FWD/Dual AWD 150/168/180 310/350/700	5 RWD/Dual engine AWD 215/365
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s)	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84	2998 5 RWD 196 390 6.4	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9	2888 5 Dual engine AWD 360 700 4	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9	5 RWD/Dual engine AWD 215/365 5.4/3.3
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km)	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688	2998 5 RWD 196 390 6.4 586	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610	2888 5 Dual engine AWD 360 700 4 560/710/1055	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC	2998 5 RWD 196 390 6.4 586 LFP	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688	2998 5 RWD 196 390 6.4 586 LFP 400V	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/IMC 800V SiC
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIO OS/Banyan	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS Qualcomm 8155	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIO OS/Banyan Qualcomm 8295P	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V	5 RWD/Dual engine AWD 215/365 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC Screens	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2	2998 5 RWD 196 330 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P 2	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIO OS/Banyan Qualcomm 8295P 2	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V 2	5 RWD/Dual engine AWD 215/365 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC Screens Speakers	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2 2	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2 8+4	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P 2 20	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIO OS/Banyan Qualcomm 8295P 2 23	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V	5 RWD/Dual engine AWD 215/365 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2 15/17
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System Soc Soc Screens Speakers Smart chatbot	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2 2 21 EVA	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2 8+4 Xiao P	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P 2 20 Xiao P	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIO CS/Banyan Qualcomm 8295P 2 2 23 Nomi	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V 2 8, 12	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2 15/17 Xiao Yi
Driving mode Peak power (kw) Peak torque (Nm) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC Screens Speakers Smart chatbot System	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2 2 21 EVA ZEEKER AD	2998 5 RWD 196 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2 8+4 Xiao P Xpilot	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P 2 20 Xiao P Xpilot/XNGP	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIO OS/Banyan Qualcomm 8295P 2 2 23 Nomi NAD/ADAM	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V 2 2 8, 12 - DiPilot	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2 15/17 Xiao Yi Huawei ADS 2.0
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC Screens Speakers Smart chatbot System SoC	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2 2 21 EVA ZEEKER AD 1*Orin/2*Orin	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2 8+4 Xiao P Xpilot Xavier	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P 2 2 20 Xiao P Xjao P Xpilot/XNGP Orin-X/2*Orin-X	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIC OS/Banyan Qualcomm 8295P 2 2 23 Nomi NAD/ADAM 4*Orin X	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V 2 2 8, 12 - DiPilot Horizon Robotics Journey 5	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2 15/17 Xiao Yi Huawei ADS 2.0 Huawei MDC
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC Screens Speakers Smart chatbot System SoC Computing power (TOPS)	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2 2 21 EVA ZEEKER AD 1*Orin/2*Orin 254/508	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2 8+4 Xiao P Xpilot Xavier 30	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/MMC 400V Xmart OS 4.0 Qualcomm SA8155P 2 2 20 Xiao P Xiao P Xjaiot/XNGP Orin-X/2*Orin-X	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIC OS/Banyan Qualcomm 8295P 2 2 23 Nomi NAD/ADAM 4*Orin X 1016	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V 2 2 8, 12 - DIPilot Horizon Robotics Journey 5 128	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2 15/17 Xiao Yi Huawei ADS 2.0 Huawei MDC 210
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC Screens Sparkers Smart chatbot System SoC Computing power (TOPS) Number of camera	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2 2 21 EVA ZEEKER AD 1*Orin/2*Orin 254/508 12	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2 8+4 Xiao P Xpilot Xavier 30 13	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P 2 2 20 Xiao P Xpilot/XNGP Orin-X/2*Orin-X 254/508 12	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIO OS/Banyan Qualcomm 8295P 2 2 23 Nomi NAD/ADAM 4*Orin X 1016 11	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V 2 2 8, 12 - DiPilot Horizon Robotics Journey 5 128 5	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2 15/17 Xiao Yi Huawei ADS 2.0 Huawei MDC 210 11
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC Screens Speakers Smart chatbot System SoC	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2 2 21 EVA ZEEKER AD 1*Orin/2*Orin 254/508	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2 8+4 Xiao P Xpilot Xavier 30	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P 2 20 Xiao P 20 Xiao P Xpilot/XNGP Orin-X/2*Orin-X 254/508 12	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIC OS/Banyan Qualcomm 8295P 2 2 23 Nomi NAD/ADAM 4*Orin X 1016	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V 2 2 8, 12 - DiPilot Horizon Robotics Journey 5 128 5 8, 12	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2 15/17 Xiao Yi Huawei ADS 2.0 Huawei MDC 210
Driving mode Peak power (kw) Peak torque (N.m) 0-100km/h acceleration (s) Battery miles CLTC (km) Battery type Voltage System SoC Screens Sparkers Smart chatbot System SoC Computing power (TOPS) Number of camera	5 RWD/AWD 310/475 440/710 5.6/3.8/2.84 616/660/688 LFP/NMC 800V Qualcomm 8295 2 2 21 EVA ZEEKER AD 1*Orin/2*Orin 254/508 12	2998 5 RWD 196 390 6.4 586 LFP 400V Xmart OS Qualcomm 8155 2 8+4 Xiao P Xpilot Xavier 30 13	2998 5 RWD/Dual AWD 203/348 440/757 6.4/3.9 550/702/610 LFP/NMC 400V Xmart OS 4.0 Qualcomm SA8155P 2 2 20 Xiao P Xpilot/XNGP Orin-X/2*Orin-X 254/508 12	2888 5 Dual engine AWD 360 700 4 560/710/1055 NMC 500V NIO OS/Banyan Qualcomm 8295P 2 2 23 Nomi NAD/ADAM 4*Orin X 1016 11	5 FWD/Dual AWD 150/168/180 310/350/700 7.9/3.9 506/605/715/610 blade battery 400V 2 2 8, 12 - DiPilot Horizon Robotics Journey 5 128 5	5 RWD/Dual engine AWD 215/365 5.4/3.3 550/630/705/855 LFP/NMC 800V SiC Harmony OS 4 2 15/17 Xiao Yi Huawei ADS 2.0 Huawei MDC 210 11

Source: Company data, CMBIGM, *does not include HUD and Xiaomi pads.



Figure 2: Xiaomi's SU 7 Series EV models

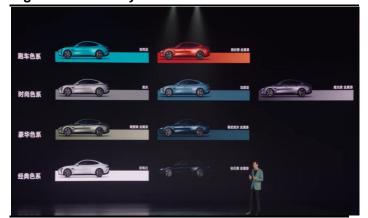


Source: Company data, CMBIGM estimates



Source: Company data, CMBIGM estimates

Figure 3: 9 EV body/ 4 EV interior color selections



Source: Company data, CMBIGM estimates

Figure 5: Xiaomi's self-developed AD technology

	XI30MI Pilo 小米智慧 Pro	ot Pro	XI30MI Pilot 小米智慧 Max	Max
硬件平台	NVIDIA DRIVE Orin × 1 84Tops 前向亳米波雷达 × 1 前現環像头 8MP × 2 倒视缓像头 3MP × 4	环视摄像头 3MP × 4 后视摄像头 3MP × 1	NVIDIA DRIVE Orin × 2 508Tops 前向毫米波雷达 × 1 前视删像头 8MP × 2 段视频像头 3MP × 4	环视摄像头 3MP × 4 后视摄像头 3MP × 1 后角向毫米波雷达 × 2 激光雷达 × 1
智能辅助驾驶	自通应巡航 车道展中辅助 拔杆变道辅助	智能泊车锅助 遥控泊车锯助	自调应巡航 车道居中辅助 拨杆变道辅助	智能泊车辅助 遥控泊车辅助
智驾增强功能	高速该航梯助 代客泊车辆助		高速 领航辅助 代密泊车编版 城市贸航辅助	

Source: Company data, CMBIGM estimates

Figure 6: Xiaomi EV ecosystem products



Source: Company data, CMBIGM estimates

Figure 7: Xiaomi EV HyperOS connectivity



Source: Company data, CMBIGM estimates



Earnings Revision

Our FY24-26E adj. EPS are 3-10% above consensus

We trimmed FY24-26E adj. EPS by 5-15% to reflect EV business GPM dilution and related expenses. We estimate smartphone sales will increase 12%/7% YoY in FY24/25E, while AloT revenue will rebound strongly 14%/14% YoY in FY24/25E. Our FY24-26E EPS is 3-10% above consensus.

Figure 8: CMBIGM earnings revision

DMD mm		New			Old		С	hange (%)	
RMB mn	FY24E	FY25E	FY26E	FY24E	FY25E	FY26E	FY24E	FY25E	FY26E
Revenue	321,495	363,516	399,909	303,895	332,166	360,199	6%	9%	11%
Gross profit	60,928	67,077	77,016	63,568	68,958	75,030	-4%	-3%	3%
Operating profit	15,419	16,179	22,477	18,642	20,505	23,977	-17%	-21%	-6%
Adj. net profit	17,321	17,892	22,615	19,738	21,136	23,740	-12%	-15%	-5%
Adj. EPS (RMB)	0.70	0.72	0.91	0.79	0.85	0.95	-12%	-15%	-5%
Gross margin	19.0%	18.5%	19.3%	20.9%	20.8%	20.8%	-2 ppt	-2.3 ppt	-1.6 ppt
Operating margin	4.8%	4.5%	5.6%	6.1%	6.2%	6.7%	-1.3 ppt	-1.7 ppt	-1 ppt
Adj. net margin	5.4%	4.9%	5.7%	6.5%	6.4%	6.6%	-1.1 ppt	-1.4 ppt	-0.9 ppt

Source: Company data, CMBIGM estimates

Figure 9: CMBIGM estimates vs consensus

DMD		CMBIGM			Consensus			Diff (%)	
RMB mn	FY24E	FY25E	FY26E	FY24E	FY25E	FY26E	FY24E	FY25E	FY26E
Revenue	321,495	363,516	399,909	309,544	347,138	392,558	4%	5%	2%
Gross profit	60,928	67,077	77,016	62,432	68,996	77,326	-2%	-3%	0%
Operating profit	15,419	16,179	22,477	14,970	16,683	19,970	3%	-3%	13%
Adj. net profit	17,321	17,892	22,615	15,274	17,056	20,760	13%	5%	9%
Adj. EPS (RMB)	0.70	0.72	0.91	0.64	0.70	0.83	8%	3%	10%
Gross margin	19.0%	18.5%	19.3%	20.2%	19.9%	19.7%	-1.2 ppt	-1.4 ppt	-0.4 ppt
Operating margin	4.8%	4.5%	5.6%	4.8%	4.8%	5.1%	0 ppt	-0.4 ppt	0.5 ppt
Adj. net margin	5.4%	4.9%	5.7%	4.9%	4.9%	5.3%	0.5 ppt	0 ppt	0.4 ppt

Source: Bloomberg, CMBIGM estimates

Figure 10: P&L forecast

RMB mn	FY22	1Q23	2Q23	3Q23	4Q23	FY23	FY24E	FY25E	FY26E
Revenue	280,044	59,477	67,355	70,894	73,244	270,970	321,495	363,516	399,909
YoY	-15%	-19%	-4%	1%	11%	-3%	19%	13%	10%
Cost of sales	(232,467)	(47,886)	(53,194)	(54,785)	(57,630)	(213,494)	(260,567)	(296,439)	(322,893)
Gross profit	47,577	11,592	14,161	16,110	15,614	57,476	60,928	67,077	77,016
GPM (%)	17.0%	19.5%	21.0%	22.7%	21.3%	21.2%	19.0%	18.5%	19.3%
YoY	-18%	-9%	20%	37%	37%	21%	6%	10%	15%
SG&A	(26,437)	(5,239)	(5,620)	(6,102)	(7,393)	(24,353)	(28,452)	(31,626)	(34,792)
% of rev	-9.4%	-8.8%	-8.3%	-8.6%	-10.1%	-9.0%	-8.9%	-8.7%	-8.7%
R&D	(16,028)	(4,113)	(4,555)	(4,966)	(5,463)	(19,098)	(22,505)	(24,719)	(25,194)
% of rev	-5.7%	-6.9%	-6.8%	-7.0%	-7.5%	-7.0%	-7.0%	-6.8%	-6.3%
Operating profit	2,816	5,900	4,041	5,011	5,057	20,009	15,419	16,179	22,477
OPM (%)	1.0%	9.9%	6.0%	7.1%	6.9%	7.4%	4.8%	4.5%	5.6%
YoY	-89%	-747%	133%	-468%	51%	610%	-23%	5%	39%
Adj. net profit	8,518	3,233	5,140	5,990	4,910	19,273	17,321	17,892	22,615
NPM (%)	3.0%	5.4%	7.6%	8.4%	6.7%	7.1%	5.4%	4.9%	5.7%
YoY	-61%	13%	147%	183%	236%	126%	-10%	3%	26%

Source: Company data, CMBIGM estimates



Figure 11: Revenue breakdown

RMB mn	FY22	1Q23	2Q23	3Q23	4Q23	FY23	FY24E	FY25E	FY26E
Smart phones	167,217	34,985	36,595	41,649	44,232	157,461	176,700	188,370	197,540
ҮоҮ	-20%	-24%	-13%	-2%	21%	-6%	12%	7%	5%
Shipment (mn)	150,500	30,400	32,900	41,800	40,500	145,600	155,000	161,000	166,000
YoY	-21%	-21%	-16%	4%	24%	-3%	6%	4%	3%
ASP (RMB)	1,111	1,152	1,112	996	1,092	1,081	1,140	1,170	1,190
ҮоҮ	1.3%	-3.1%	2.8%	-5.8%	-2.6%	-2.7%	5.4%	2.6%	1.7%
AloT and lifestyle products	79,795	16,834	22,254	20,673	20,347	80,108	91,150	103,751	118,135
ҮоҮ	-6%	-14%	12%	8%	-5%	0%	14%	14%	14%
Smart TVs and laptops	23,700	4,700	4,700	4,982	5,100	19,482	21,430	23,573	25,931
YoY	-15%	-24%	-19%	-23%	-22%	-18%	10%	10%	10%
Other IoTs	56,095	12,134	17,554	15,691	15,247	60,626	69,719	80,177	92,204
YoY	-2%	-9%	32%	5%	2%	8%	15%	15%	15%
Internet services	28,321	7,028	7,444	7,756	7,880	30,107	32,093	35,303	38,833
ҮоҮ	0%	-1%	7%	10%	10%	6%	7%	10%	10%
Advertising services	18,500	4,400	5,100	5,400	5,600	20,500	21,525	23,678	26,045
YoY	2%	-3%	12%	16%	18%	11%	5%	10%	10%
Internet value-added	9,821	2,628	2,344	2,356	2,280	9,607	10,568	11,625	12,788
YoY	-3%	2%	-4%	-2%	-5%	-2%	10%	10%	10%
Gaming	4,100	1,345	1,013	1,075	954	4,387	4,826	5,308	5,839
YoY	5%	16%	8%	6%	-5%	7%	10%	10%	10%
Other (incl. Youpin fintech)	5,721	1,283	1,331	1,281	1,326	5,220	5,743	6,317	6,948
YoY	-8%	-10%	-11%	-7%	-6%	-9%	10%	10%	10%
EV business							17,600	31,350	39,710
ҮоҮ								78%	27%
Others	4,711	630	1,062	817	785	3,294	3,952	4,743	5,691
YoY	-25%	-37%	-5%	-55%	4%	-30%	20%	20%	20%
Total	280,044	59,477	67,355	70,894	73,244	270,970	321,495	363,516	399,909
ҮоҮ	-15%	-19%	-4%	1%	11%	-3%	19%	13%	10%
Gross margin									
Smart phones	9.0%	11.2%	13.3%	16.6%	16.4%	14.6%	13.9%	13.6%	13.5%
AloT and lifestyle products	14.4%	15.7%	17.6%	17.8%	13.9%	16.3%	16.2%	16.0%	16.0%
Internet services	71.8%	72.3%	74.1%	74.4%	75.7%	74.2%	74.3%	74.4%	74.4%
EV business							-15.0%	-6.0%	5.0%
Others	16.2%	-10.8%	-13.4%	-33.9%	-54.8%	-27.8%	10.0%	10.0%	10.0%
Total	17.0%	19.5%	21.0%	22.7%	21.3%	21.2%	20.9%	20.8%	20.8%

Source: Company data, CMBIGM estimates



Valuation

Maintain BUY with new SOTP-based TP of HK\$22.19

We adjusted our forecasts to factor in EV shipment and assigned SOTP-based TP of HK\$22.19 (vs prior 24x FY24E P/E) in order to reflect different growth profiles for Xiaomi's various businesses. We assign 13x/10x/15x FY24E P/E to its smartphone/AIoT/internet businesses, in-line with its peers. For EV business, we assign 0.75x FY25E P/S, in-line with average of its Chinese EV peers (Li, Xpeng, NIO, BYD). Upcoming catalysts include EV product shipment ramp-up, and smartphone market share gain.

Figure 12: Xiaomi – SOTP valuation

Business segment	FY24E Rev (RMB mn)	% of FY24E Core NP	FY24E NP (RMB mn)	Valuation methodology	Target Mutiple (x)	Valuation (RMB mn)
Smart phones	176,700	39%	12,349	P/E	13.0	160,537
AIoT and lifestyle products	91,150	23%	7,424	P/E	10.0	74,242
Internet services	32,093	38%	11,989	P/E	15.0	179,835
Others	3,952	1%	199	P/E	10.0	1,987
EV (FY25E)	31,350			P/S	0.75	23,513
			31,961			440,115
Investment (Rmb mn)						68,000
Total (RMB mn)						508,115
No of shares (mn)						24,885
TP (RMB)						20.42
TP (HK\$)						22.19

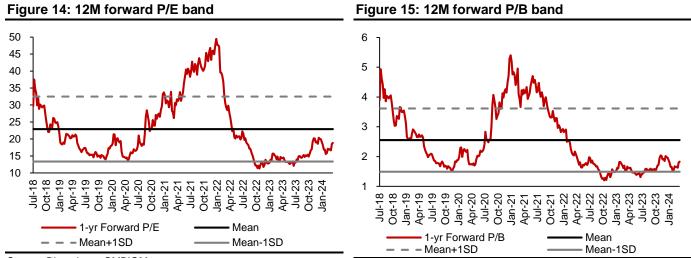
Source: Company data, CMBIGM estimates

Figure 13: Peers' valuation

			Market Cap	Price	TP	Up/Down	P/E	(x)	P/B	(x)	ROE	(%)
Company	Ticker	Rating	US\$(mn)	(LC)	(LC)	-side	FY23E	FY24E	FY23E	FY24E	FY23E	FY24E
HK-listed												
Xiaomi	1810 HK	BUY	47,630	14.9	22.2	49%	17.8	19.8	2.1	1.9	11.3	7.0
Sunny Optical	2382 HK	HOLD	5,599	40.0	50.7	27%	34.1	18.9	1.7	1.6	5.0	8.6
AAC Tech	2018 HK	HOLD	4,020	26.3	22.4	-15%	37.4	20.5	1.2	1.2	3.3	5.8
BYDE	285 HK	BUY	8,306	28.9	46.5	61%	14.5	10.5	2.0	3.1	13.7	29.0
FIT Hon Teng	6088 HK	BUY	1,863	2.0	2.2	11%	14.2	10.0	0.7	0.7	5.1	7.0
Tongda	698 HK	BUY	95	0.1	0.2	124%	4.2	2.6	0.1	0.1	2.3	3.5
Q tech	1478 HK	BUY	457	3.0	3.6	19%	10.8	5.6	0.6	0.6	5.9	10.3
TK Group	2283 HK	BUY	159	1.5	3.1	107%	5.3	3.9	0.7	0.6	13.3	16.3
			Average				18.9	12.2	1.2	1.3	6.7	10.7
Smartphone												
Apple	AAPL US	NR	2,647,974	171.5	NA	NA	28.3	26.1	45.7	35.6	169.4	148.2
Lenovo	992 HK	NR	14,377	9.1	NA	NA	8.5	15.2	2.3	2.3	30.6	16.2
Samsung	005930 KS	NR	365,894	82,700.0	NA	NA	49.8	17.9	1.6	1.5	3.1	8.2
LG Elec	066570 KS	NR	11,643	96,000.0	NA	NA	11.7	8.1	0.8	0.8	7.1	9.6
			Average				24.6	16.8	12.6	10.0	52.5	45.6
юТ												
Skyworth	751 HK	NR	898	3.0	NA	NA	9.3	5.3	0.4	0.3	4.2	6.7
Hisense	600060 CH	NR	4,215	23.3	NA	NA	14.2	12.1	1.6	1.4	11.3	11.8
Midea	000333 CH	NR	63,424	65.8	NA	NA	13.6	12.2	2.9	2.6	21.5	21.3
Gree	000651 CH	NR	31,184	40.0	NA	NA	8.2	7.6	2.0	1.7	25.0	23.2
			Average				11.3	9.3	1.7	1.5	15.5	15.8

Source: Bloomberg, CMBIGM





Source: Bloomberg, CMBIGM

Source: Bloomberg, CMBIGM



Financial Summary

INCOME STATEMENT	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec (RMB mn)						
Revenue	328,309	280,044	270,970	321,495	363,516	399,909
Cost of goods sold	(270,048)	(232,467)	(213,494)	(260,567)	(296,439)	(322,893)
Gross profit	58,261	47,577	57,476	60,928	67,077	77,016
Selling expense	(20,981)	(21,323)	(19,227)	(22,505)	(25,083)	(27,594)
Admin expense	(4,739)	(5,114)	(5,127)	(5,948)	(6,543)	(7,198)
R&D expense	(13,167)	(16,028)	(19,098)	(22,505)	(24,719)	(25,194)
Other income	827	1,136	740	901	901	901
Gain/loss on financial assets at FVTPL	8,132	(1,662)	3,501	3,501	3,501	3,501
Investment gain/loss	275	(400)	46	46	46	46
EBIT	26,029	2,816	20,009	15,419	16,179	22,477
Net Interest income/(expense)	(1,612)	1,117	2,002	2,002	2,002	2,002
Foreign exchange gain/loss	(2,580)	(1,369)	1,697	1,000	1,000	1,000
Others	0	0	0	0	0	0
Pre-tax profit	24,417	3,934	22,011	17,421	18,182	24,479
Income tax	(5,134)	(1,431)	(4,537)	(4,355)	(4,545)	(6,120)
Minority interest	(56)	29	(1)	(1)	(1)	(1)
Net profit	19,283	2,503	17,474	13,066	13,636	18,359
Adjusted net profit	22,039	8,518	19,273	17,321	17,892	22,615
Net dividends	0	0	0	0	0	22,013
			<u> </u>		0	0
BALANCE SHEET	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec (RMB mn)						
Current assets	185,851	160,415	199,053	213,924	224,607	(1,948,755)
Cash & equivalents	23,512	27,607	33,631	13,693	39,041	(2,164,383)
Account receivables	23,095	19,625	21,924	29,771	26,126	33,410
Inventories	52,398	50,438	44,423	71,385	60,366	83,142
Prepayment	19,852	18,578	20,079	20,079	20,079	20,079
ST bank deposits	31,041	29,875	52,798	52,798	52,798	52,798
Financial assets at FVTPL	30,910	9,846	20,194	20,194	20,194	20,194
Other current assets	5,045	4,446	6,005	6,005	6,005	6,005
Non-current assets	107,040	113,092	125,195	134,311	144,944	2,342,703
PP&E	6,965	9,138	13,721	22,837	33,470	2,231,229
Deferred income tax	1,662	2,278	2,161	2,161	2,161	2,161
Investment in JVs & assos	10,231	7,932	6,922	6,922	6,922	6,922
Intangibles	5,579	4,630	8,629	8,629	8,629	8,629
Financial assets at FVTPL	50,114	55,980	60,200	60,200	60,200	60,200
Other non-current assets	32,490	33,134	33,562	33,562	33,562	33,562
Total assets	292,892	273,507	324,247	348,235	369,551	393,948
Current liabilities	115 727	80.629	115 599	126 500	124 190	140 227
	115,727	89,628	115,588 6 183	126,509 6 183	134,189	140,227
Short-term borrowings	5,527	2,151	6,183	6,183 73 020	6,183 80,700	6,183 86 738
Account payables	74,643	53,094	62,099	73,020	80,700	86,738
Tax payable	2,335 33,222	1,384	1,838 45.467	1,838 45.467	1,838 45.467	1,838
Other current liabilities		32,999 39,957	45,467	45,467	45,467	45,467
Non-current liabilities	39,732	39,957	44,398	44,398	44,398	44,398
Long-term borrowings	20,720	21,493	21,674	21,674	21,674	21,674
Deferred income	1,203	983	1,494	1,494	1,494	1,494
Other non-current liabilities	17,809	17,480 129 584	21,230	21,230	21,230	21,230
Total liabilities	155,459	129,584	159,986	170,907	178,587	184,625
Share capital	407	406	407	407	407	407
Other reserves	137,212	143,658	163,995	177,062	190,699	209,059
Total shareholders equity	137,432	143,923	164,262	177,327	190,964	209,323
Minority interest	220	265	266	266	265	264



					A Whelly Owne	d Subsidiary Of China Merchanis Fe
CASH FLOW	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec (RMB mn)						
Operating						
Profit before taxation	24,417	3,934	22,011	17,421	18,182	24,479
Depreciation & amortization	3,062	3,707	(2,088)	(2,686)	(3,363)	(190,217)
Tax paid	(2,442)	(3,420)	(4,083)	(4,355)	(4,545)	(6,120)
Change in working capital	(15,725)	(21,255)	25,862	(23,888)	22,344	(24,023)
Others	474	12,644	(402)	0	0	0
Net cash from operations	9,785	(4,390)	41,300	(13,508)	32,618	(195,881)
Investing						
Capital expenditure	(7,169)	(5,800)	(2,495)	(6,430)	(7,270)	(2,007,542)
Acquisition of subsidiaries/ investments	(1,086)	(25)	0	0	0	0
Net proceeds from disposal of short-term investments	166,947	23,136	0	0	0	0
Others	(203,699)	(1,763)	(32,674)	0	0	0
Net cash from investing	(45,008)	15,549	(35,169)	(6,430)	(7,270)	(2,007,542)
Financing						
Net borrowings	9,227	(2,791)	0	0	0	0
Proceeds from share issues	0	0	0	0	0	0
Share repurchases	(7,007)	(2,386)	0	0	0	0
Others	2,278	(2,677)	(505)	0	0	0
Net cash from financing	4,499	(7,855)	(505)	0	0	0
Net change in cash						
Cash at the beginning of the year	55,580	24,339	27,607	33,631	13,693	39,041
Exchange difference	791	398	0	0	0	0
Cash at the end of the year	24,339	27,607	33,631	13,693	39,041	(2,164,383)

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; and (4) have any financial interests in the Hong Kong listed companies covered in this report.

CMBIGM Ratings

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

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 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. 