

BUY (Unchanged)
Change in Numbers

TP: Bt 39.00
Upside: 28.9%

(From: Bt 37.00)
6 OCTOBER 2022

Small Cap Research

COM7 Pcl. (COM7 TB)

Picking up the pieces

Having been hit by the industry slowdown and inventory write-offs in 2Q22, COM7 is picking up the pieces with sales momentum and margin recovering. Given its 28% YTD share price drop and our earnings hikes of 11/5/5%, we reaffirm BUY with a higher TP of Bt39.



PATTADOL BUNNAK
662 – 483 8298
pattadol.bun@thanachartsec.co.th

Positive developments

COM7 was hit by contracting industry demand that also led to inventory clearance discounts and write-offs in 2Q22, when its earnings grew by only 5% y-y. We now expect COM7's business momentum to improve in 2H22F with 15% y-y EPS growth from the very high base in 2H21, when earnings growth was 52% y-y. Two positive developments in 2H22F are the industry demand contraction decelerating to 7% y-y from 20% y-y in 2Q22 and COM7's EBIT margin improving to 6.2% vs. 5.2% in 2Q22 given no further clearance discounts. Note that COM7's revenue growth has remained in positive territory vs. the industry's contraction because of its market share gains from expansion (Exhibit 2-3) and scale benefits.

Margin back on track

COM7's EBIT margin has trended upward from 3.9% in 2018 to 6.0% in 2021 and 6.5% in 1Q22. However, it fell to 5.2% in 2Q22 because of the clearance price discounts mentioned above, which were mainly in the crypto mining and gaming computer categories. We estimate COM7's EBIT margin to recover to 6.2% in 2H22F and with the longer-term sales growth and operating leverage effect, we project its margin to rise to 7.0% in 2024F.

iPhone 14 cushions the industry

Demand for the iPhone 14 has been very strong. We believe this will help improve the industry's demand growth momentum from an estimated 20% y-y fall in 2Q22 to only a 7% y-y decline in 2H22F. Despite slowing global economic momentum, the Thai economy seems to be in recovery mode from the tourism turnaround which just started with the country's full reopening in June. Note that mobile and IT product industry demand growth jumped from organic growth of 3-4% p.a. pre-COVID to 20% in 2021. We expect a setback with a 6% fall this year before growth returning to the normal level of 3-4% p.a. in 2023-24F.

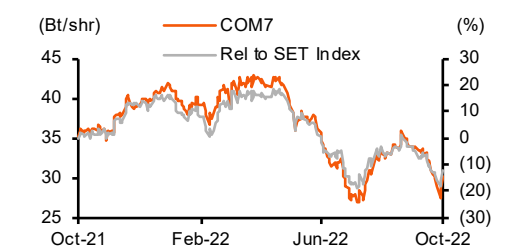
Boosting our earnings; BUY

Due to the aforementioned positive developments, we raise our earnings estimates by 10/5/5% in 2022-24F, which leads to earnings growth of 18/19/23% in those years. COM7's share price has fallen by 28% YTD in the wake of its disappointing 2Q22 earnings and inventory write-offs. Now that these concerns have eased and its business is getting back on track again, we see this as a BUYing opportunity. The stock price has also already come down to trade at 20x 2023F PE which we regard as inexpensive compared to its five-year average of 23x and its ROE of 45% in 2023F. We lift our DCF-based 12-month TP, using a 2023F base year to Bt39/share from Bt37 previously.

COMPANY VALUATION

Y/E Dec (Bt m)	2021A	2022F	2023F	2024F
Sales	51,126	61,937	69,259	77,435
Net profit	2,630	3,085	3,662	4,516
Consensus NP	—	2,912	3,429	3,994
Diff frm cons (%)	—	5.9	6.8	13.1
Norm profit	2,608	3,085	3,662	4,516
Prev. Norm profit	—	2,776	3,471	4,272
Chg frm prev (%)	—	11.1	5.5	5.7
Norm EPS (Bt)	1.1	1.3	1.5	1.9
Norm EPS grw (%)	80.0	18.3	18.7	23.3
Norm PE (x)	27.8	23.5	19.8	16.1
EV/EBITDA (x)	19.4	16.4	13.9	11.4
P/BV (x)	13.7	9.9	8.2	7.4
Div yield (%)	1.7	1.9	4.1	5.4
ROE (%)	57.1	48.8	45.2	48.3
Net D/E (%)	49.6	6.7	(3.4)	(5.9)

PRICE PERFORMANCE



COMPANY INFORMATION

Price as of 6-Oct-22 (Bt)	30.25
Market Cap (US\$ m)	1,945.3
Listed Shares (m shares)	2,400.0
Free Float (%)	50.0
Avg Daily Turnover (US\$ m)	15.3
12M Price H/L (Bt)	43.00/27.00
Sector	Commerce
Major Shareholder	Khun Sura Kanittavikul 25.05%

Sources: Bloomberg, Company data, Thanachart estimates

ESG Summary Report P9

Positive developments

We reaffirm our BUY call on COM7 and raise our TP

We reaffirm our BUY rating on shares of COM7 Pcl (COM7) and raise our DCF-based 12-month TP, using a 2023F base year, to Bt39/share from Bt37 previously.

We see positive developments from:

COM7's business went off track and grew by only 5% y-y in 2Q22 because of a contraction in demand for its IT products that led to heavy promotional offers and inventory write-offs. Now we see positive developments emerging and expect COM7's 2H22F earnings to grow by 15% y-y. Looking forward, we estimate COM7's earnings to return to a strong growth of 19/23% in 2023-24F.

We discuss COM7's positive developments below:

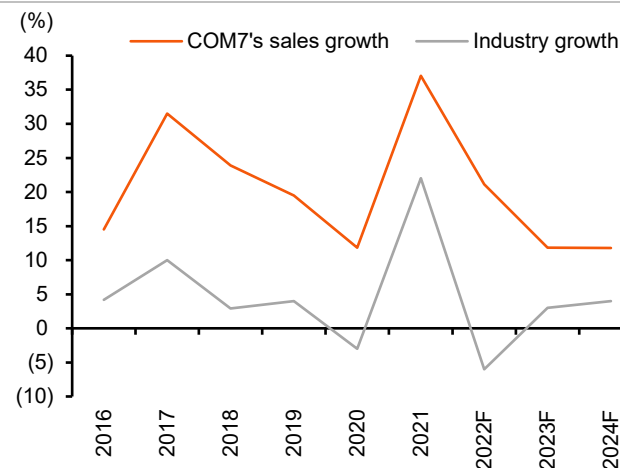
1) A slowdown in the drop in demand for products

First, demand for IT products fell to a lesser extent of 7% y-y in 2H22F after a 20% y-y drop in 2Q22, based on our estimate. 2Q22 demand saw a sharp drop as Thai people shifted their spending quickly toward the country-reopening sectors such as tourism and restaurants after two full years of strong pent-up demand. Now, there is some normalization taking place while the Thai economy is in a strong recovery mode from the country reopening, therefore the fall in IT products demand is decelerating.

2) COM7's new store openings

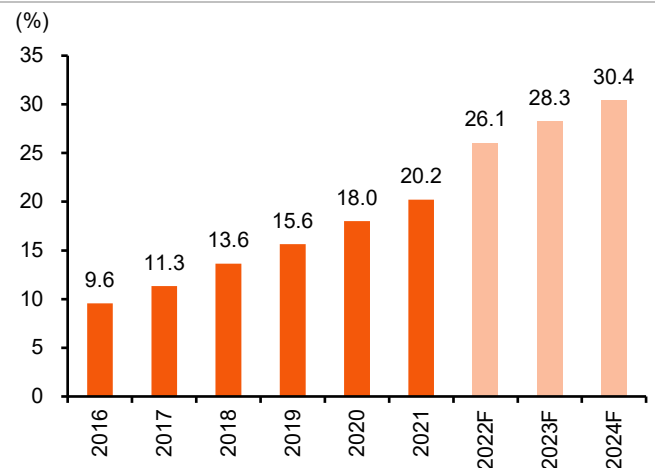
Second, COM7 has continued to gain market share. Exhibit 1 shows COM7's sales growth which has been far higher than the industry's. Its market share gains have been via both same-store sales and new store openings. Note that COM7 normally gains market share when the industry is weak because smaller players are unable to expand. This year, COM7 as the largest IT retail player, plans to open at least 150 new stores (+15%) from 1,000 stores in 2021. Most of the new stores are scheduled to open in 2H22. We estimate 150-170 new stores p.a. in 2023-24F.

Ex 1: COM7 Sales Growth Vs. Industry's

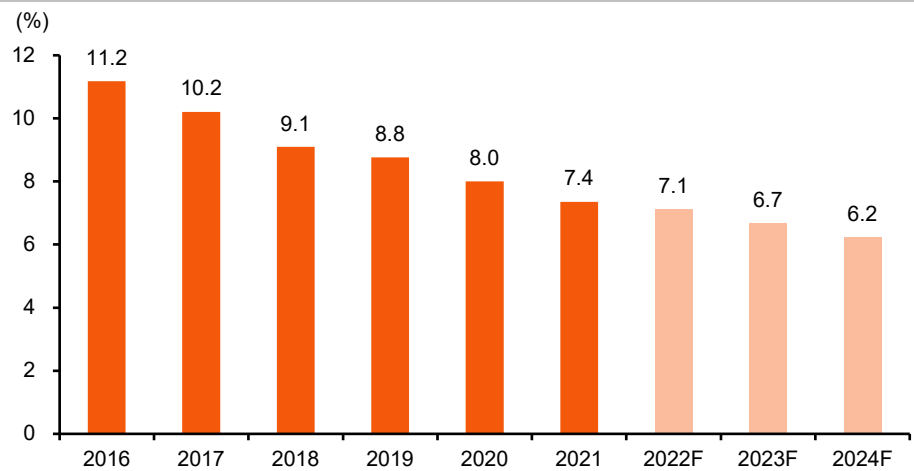


Sources: Company data, Thanachart estimates

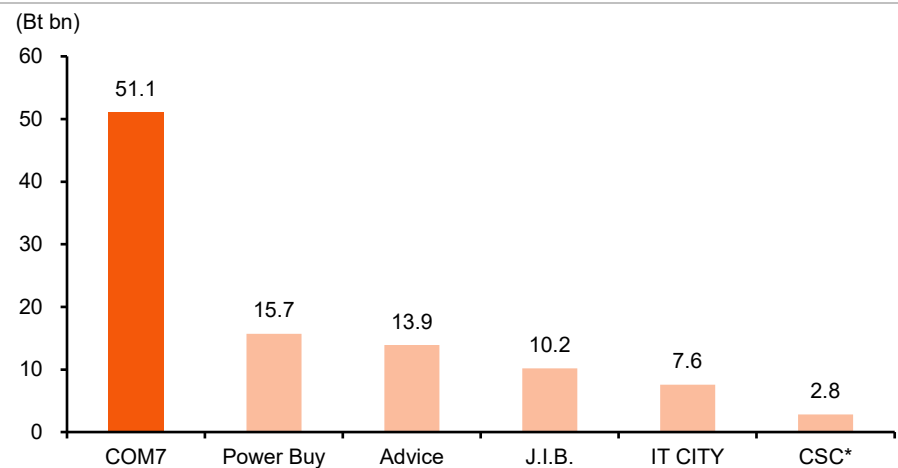
Ex 2: COM7's Market Share Over The Years



Sources: Company data, Thanachart estimates

Ex 3: SG&A Fall When Sales Rise

Sources: Company data, Thanachart estimates

Ex 4: COM7's Sales Vs. Peers'

Sources: Company data, BOL

Note: * Data as of 2020

Ex 5: COM7's Net Margin Vs. Peers'

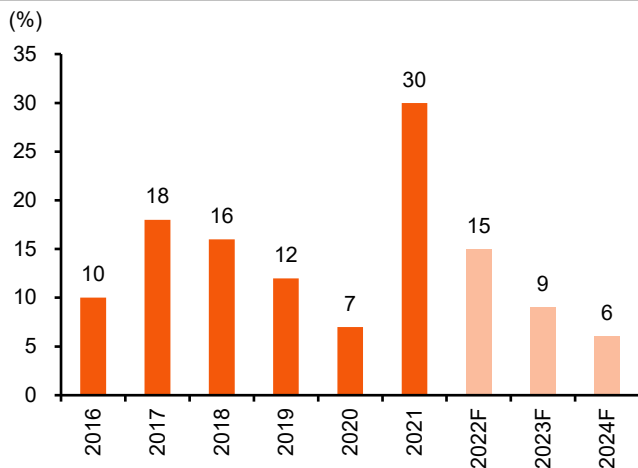
(%)	2015	2016	2017	2018	2019	2020	2021
COM7	1.8	2.4	2.7	3.2	3.5	3.7	4.9
Average main peers' net margin	0.3	1.0	1.7	0.6	0.8	0.4	1.7
- Advice	0.6	1.0	0.9	1.1	1.2	2.1	3.1
- CSC	0.1	na	1.3	2.2	0.7	na	na
- IT CITY	na	0.5	0.3	1.1	0.6	na	2.4
- Jaymart	-	-	-	3.8	na	1.3	-
- J.I.B.	0.3	0.2	0.3	0.4	0.7	0.8	2.5
- Power Buy	2.3	0.6	2.3	1.3	1.8	2.3	na

Sources: Company data, BOL

Note: na implies loss making

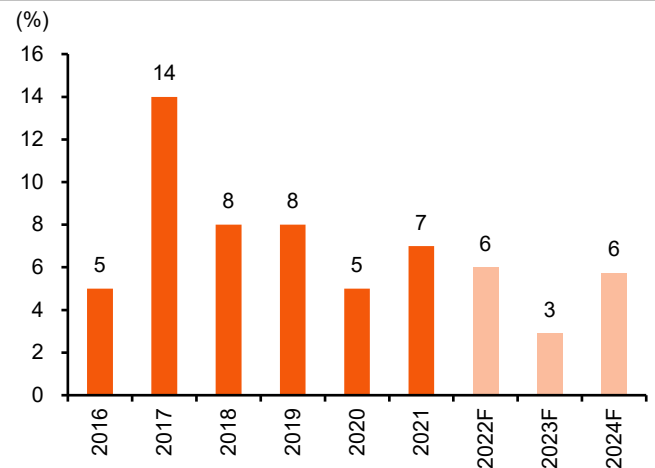
Note that despite COM7 already being the largest IT store chain in Thailand, it has accelerated store openings over the past few years. Most of COM7's stores are located in malls but the company launched its standalone format last year and it has proven to be successful with the format making profits within the first month of opening. The standalone outlets generate lower profit per store than stores in malls but COM7 expects this to change over the next few years. Rental expense per sq m is around 50% lower than in malls.

Ex 6: COM7's Same-Store-Sales Growth



Sources: Company data, Thanachart estimates

Ex 7: COM7's New Store Openings

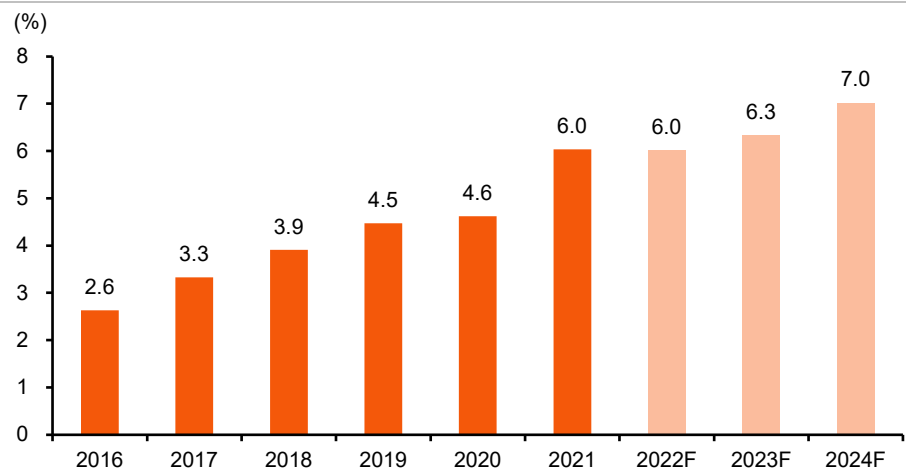


Sources: Company data, Thanachart estimates

3) Margin looks likely to get back on track

Third, COM7's EBIT margin looks likely to widen again from 3Q22F after having fallen in 2Q22 on the back of discounted prices for inventory clearances while COM7 also wrote off some weak-demand products, e.g., crypto mining and gaming computers. Now, with the hiccups having mostly been resolved, we estimate an EBIT margin of 6.2% in 2H22F, up from 5.2% in 2Q22. With decent long-term sales growth and the operating leverage effect, we project its EBIT margin to fatten to 7.0% in 2024F.

Ex 8: EBIT Margin Trend



Sources: Company data, Thanachart estimates

Attractive valuation, in our view

We raise our earnings estimates

Now that the concerns over COM7's disappointing 2Q22 earnings and inventory write-offs have eased and the company's performance looks to be getting back on track, we raise our earnings estimates by 10/5/5% in 2022-24F.

Ex 9: Our Key Assumptions

	2019	2020	2021	2022F	2023F	2024F
# of stores	787	911	1,000	1,150	1,310	1,490
Sales growth from incremental stores (%)	8	5	7	6	3	6
Same-store-sales growth (%)	12	7	30	15	9	6
Total sales growth	20	12	37	21	12	12
Gross margin (%)	12.6	12.9	13.3	13.5	13.8	14.0
Sg&a to sales(%)	8.8	8.0	7.4	7.1	6.7	6.2
EBIT Margin (%)	4.6	6.0	6.0	6.0	6.3	7.0

Sources: Company data, Thanachart estimates

Ex 10: Earnings Revisions

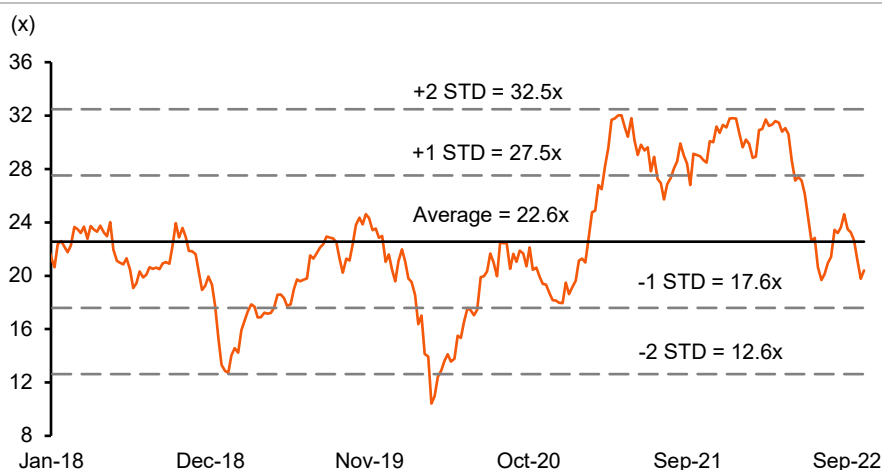
	2019	2020	2021	2022F	2023F	2024F
Sales (Bt m)						
New	33,362	37,306	51,126	61,937	69,259	77,435
Old				57,663	64,472	72,073
Change (%)				7.4	7.4	7.4
Gross margin (%)						
New	13.2	12.6	13.4	13.1	13.0	13.2
Old				12.8	13.0	13.2
Change (pp)				0.3	(0.0)	(0.0)
SG&A/sales (%)						
New	8.8	8.0	7.4	7.1	6.7	6.2
Old				7.0	6.6	6.1
Change (pp)				0.1	0.1	0.1
Normalized profit (Bt m)						
New	1,217	1,449	2,608	3,085	3,662	4,516
Old				2,776	3,471	4,272
Change (%)				11.1	5.5	5.7

Sources: Company data, Thanachart estimates

COM7's valuation looks attractive to us

COM7's share price has fallen by 28% YTD to trade at 20x PE in 2023F. We see this is as attractive against its strong earnings growth outlook of 18/18/23% in 2022-24F and its high profitability profile of a 45% ROE in 2023F.

Ex 11: COM7's PE



Sources: Bloomberg, Thanachart estimates

Ex 12: 12-month DCF-based TP Calculation Using A Base Year Of 2023F

(Bt m)	2023F	2024F	2025F	2026F	2027F	2028F	2029F	2030F	2031F	2032F	2033F	Terminal Value
EBITDA	4,708	5,809	6,844	7,755	8,738	9,438	10,182	10,973	11,814	12,708	13,783	—
Free cash flow	3,067	3,861	4,754	5,606	6,392	7,084	7,668	8,288	8,947	9,648	10,493	140,830
PV of free cash flow	3,059	3,260	3,650	3,940	4,113	4,174	4,136	4,093	4,046	3,994	3,826	51,354
Risk-free rate (%)	3.5											
Market risk premium (%)	8.0											
Beta	1.0											
WACC (%)	9.6											
Terminal growth (%)	2.0											
Enterprise value - add investments	93,646											
Net debt (2022F)	497											
Minority interest	14											
Equity value	93,135											
# of shares	2,400											
Target price/share (Bt)	39											

Sources: Company data, Thanachart estimates

Valuation Comparison

Ex 13: Valuation Comparison With Regional Peers

Name	BBG code	Country	EPS growth		— PE —		— P/BV —		EV/EBITDA		Div yield	
			22F	23F	22F	23F	22F	23F	22F	23F	22F	23F
			(%)	(%)	(x)	(x)	(x)	(x)	(x)	(x)	(%)	(%)
Marks & Spencer Group	MKS LN	UK	(24.3)	(1.6)	6.2	6.3	0.7	0.6	4.1	4.1	5.6	7.1
J Sainsbury	SBRY LN	UK	(17.8)	1.2	8.3	8.2	0.5	0.5	4.8	4.7	7.1	7.1
Tesco	TSCO LN	UK	(5.3)	2.9	9.8	9.5	1.0	1.0	6.0	5.9	5.2	5.4
Carrefour SA	CA FP	France	5.4	16.9	9.1	7.8	1.0	1.0	6.0	5.5	4.1	4.7
Casino Guichard	CO FP	France	17.6	117.5	13.9	6.4	0.4	0.3	6.9	6.0	0.7	7.5
Aeon	8267 JP	Japan	357.6	22.1	76.2	62.4	2.4	2.4	8.5	8.0	1.4	1.4
Lotte Shopping	023530 KS	S. Korea	na	54.4	16.7	10.8	0.3	0.2	9.5	9.3	3.2	3.4
Shinsegae	004170 KS	S. Korea	24.0	14.0	6.0	5.3	0.6	0.5	5.5	5.3	1.4	1.4
Amore Pacific Group	002790 KS	S. Korea	(42.6)	50.9	21.5	14.2	0.8	0.7	6.5	5.2	1.3	1.8
Wal-Mart Stores	WMT US	USA	(9.4)	12.9	22.7	20.1	4.4	4.1	11.8	10.9	1.7	1.7
Home Depot Inc	HD US	USA	7.7	4.2	17.3	16.6	na	na	12.5	12.3	2.6	2.8
Berli Jucker *	BJC TB	Thailand	49.1	6.9	25.0	23.4	1.1	1.1	13.1	12.6	3.0	3.2
COM7 *	COM7 TB	Thailand	18.3	18.7	23.5	19.8	9.9	8.2	16.4	13.9	1.9	4.1
CP All*	CPALL TB	Thailand	59.0	60.3	39.8	24.8	4.4	4.0	11.8	10.0	1.3	2.0
Central Pattana *	CPN TB	Thailand	152.2	30.4	34.4	26.3	3.7	3.3	19.9	16.4	1.4	1.7
Central Retail Corp. Pcl *	CRC TB	Thailand	na	45.2	41.7	28.7	4.0	3.6	10.5	9.3	1.0	1.4
Siam Global House *	GLOBAL TB	Thailand	11.7	14.1	24.8	21.7	4.2	3.7	19.6	17.2	1.6	1.8
Home Product*	HMPRO TB	Thailand	14.0	17.7	28.8	24.5	7.6	7.0	16.2	14.2	2.8	3.3
Siam Makro *	MAKRO TB	Thailand	(34.0)	46.8	43.1	29.4	1.2	1.2	14.4	12.4	1.7	2.6
MC Group *	MC TB	Thailand	9.0	27.5	16.3	12.8	2.2	2.1	6.1	5.3	6.0	7.8
Average			32.9	28.2	24.3	19.0	2.7	2.4	10.5	9.4	2.8	3.6

Sources: Company data, Thanachart estimates

Note: * Thanachart estimates using normalized EPS growth

** MC's fiscal year ends in June

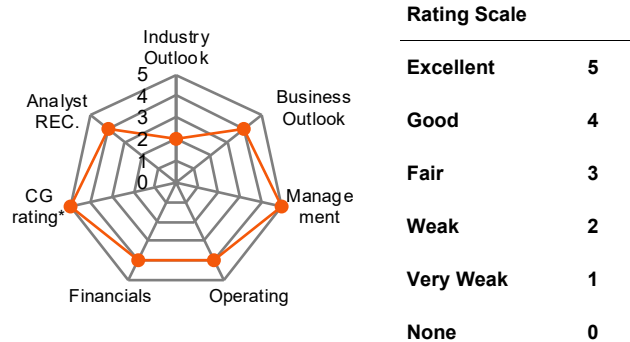
Based on 6-Oct-2022 closing prices

COMPANY DESCRIPTION

Com7 Pcl (COM7) runs a chain of retail outlets that imports, retails, and distributes computers and IT-related products in Thailand. The company offers products such as smartphones, tablets, notebooks, and computers. COM7 also offers computer components such as CPUs, hard drives, and networks and accessories.

Source: Thanachart

COMPANY RATING



Source: Thanachart; * CG Rating

THANACHART'S SWOT ANALYSIS

S — Strength

- Strong distribution channels nationwide
- More products and brands
- Diversification into higher-margin businesses
- Leverage effect from better utilization of assets
- Apple's largest distributor in Thailand

O — Opportunity

- 4G to 5G migration
- Improving economy
- Increasing speed and bandwidth usage
- New developments in technology

W — Weakness

- Low-margin retail business
- Risk from obsolete inventory

T — Threat

- Fierce competition in handsets and IT-related products
- Fast-moving technological advances
- Rising competition from new entrants

CONSENSUS COMPARISON

	Consensus	Thanachart	Diff
Target price (Bt)	39.13	39.00	0%
Net profit 22F (Bt m)	2,912	3,085	6%
Net profit 23F (Bt m)	3,429	3,662	7%
Consensus REC	BUY: 11	HOLD: 1	SELL: 0

HOW ARE WE DIFFERENT FROM THE STREET?

- Our 2022-23F earnings estimates and TP are higher than the Bloomberg consensus numbers, which we attribute to us having a more bullish view on demand for IT products.

RISKS TO OUR INVESTMENT CASE

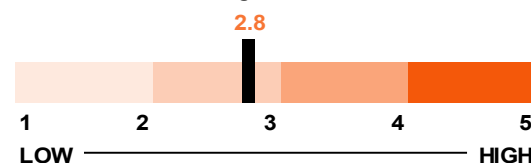
- More competition in the existing retail business would be the key downside risk to our call.
- A worse-than-expected economy and lower IT-related demand would represent secondary downside risks.

Sources: Bloomberg consensus, Thanachart estimates

Source: Thanachart

COM7 is Thailand's largest retailer of consumer IT products. Given the nature of its business, COM7 doesn't generate much greenhouse gas or waste. However, our ESG score for COM7 is moderate at 2.8, reflecting low missions but still unclear targets for ESG reduction plans.

Thanachart ESG Rating



	SETTHSI Index	THSI Index	DJSI Index	MSCI (CCC-AAA)	Arabesque S-Ray (0-100)	Refinitiv (0-100)	S&P Global (0-100)	Moody's (0-100)	CG Rating (0-5)
COM7	YES	YES	-	-	47.53	31.19	13.30	-	5.0

Sources: SETTRADE, SETTHSI Index, Thailand Sustainability Investment (THSI), The Dow Jones Industrial Average (DJSI), MSCI ESG Research LLC, Arabesque S-Ray®, Refinitiv ESG Information, S&P Global Market Intelligence, Moody's ESG Solutions, Thai IOD (CG rating)

Note: Please see third party on "terms of use" toward the back of this report.

Factors	Our Comments
ENVIRONMENT - Environmental Policies & Guidelines - Energy Management - Carbon Management - Water Management - Waste Management	- COM7 is the largest retailer of IT products in Thailand. The nature of its business doesn't create much in the way of greenhouse gas (GSG) emissions or waste from its production process. COM7 has identified key environment areas it plans to improve but it still hasn't set out big-picture targets for overall environmental issues. - The company has geared itself toward the use of solar power products to increase renewable electricity usage. COM7's office buildings also follow the Green Building design. - COM7 has implemented campaigns for employees to conserve water and its water usage level has started to fall. - COM7 is using more paper bags for its customers.
SOCIAL - Human Rights - Staff Management - Health & Safety - Product Safety & Quality - Social Responsibility	- COM7 has a well-balanced work force with around 50% being female and the rest being male. - COM7 has well-defined employee training programs. The company's employee turnover ratio has also fallen over the years. - COM7 tries to boost employees' morale by periodically giving rewards to those who have been identified as conducting good deeds. - COM7 provides IT products such as computers and tablets for study for those in need, e.g., students in underdeveloped areas.
GOVERNANCE & SUSTAINABILITY - Board - Ethics & Transparency - Business Sustainability - Risk Management - Innovation	- COM7 has a seven-member board of directors (BOD) which we consider appropriate for the company's size and the scope of its business. Of the seven members, there are two independent directors. Also, there are only two women directors. - Although it only offers IT products, COM7's products are highly diversified in terms of function, e.g., computers, tablets, smartphones, and other lifestyle gadgets. - COM7 has been diversifying into the pharmaceutical, home appliance, motorcycle financing, and debt-management businesses. - The company has yet to reveal a succession plan.

Source: Thanachart, Company

INCOME STATEMENT

FY ending Dec (Bt m)	2020A	2021A	2022F	2023F	2024F
Sales	37,306	51,126	61,937	69,259	77,435
Cost of sales	32,596	44,281	53,807	60,255	67,188
Gross profit	4,710	6,846	8,131	9,004	10,246
% gross margin	12.6%	13.4%	13.1%	13.0%	13.2%
Selling & administration expenses	2,986	3,761	4,406	4,613	4,811
Operating profit	1,724	3,084	3,725	4,391	5,435
% operating margin	4.6%	6.0%	6.0%	6.3%	7.0%
Depreciation & amortization	630	787	726	804	886
EBITDA	2,354	3,872	4,451	5,195	6,321
% EBITDA margin	6.3%	7.6%	7.2%	7.5%	8.2%
Non-operating income	47	28	34	38	43
Non-operating expenses	0	0	0	0	0
Interest expense	(53)	(48)	(90)	(52)	(54)
Pre-tax profit	1,718	3,065	3,669	4,377	5,424
Income tax	328	555	686	819	1,014
After-tax profit	1,390	2,510	2,983	3,559	4,410
% net margin	3.7%	4.9%	4.8%	5.1%	5.7%
Shares in affiliates' Earnings	64	96	100	102	104
Minority interests	(4)	2	2	2	2
Extraordinary items	41	22	0	0	0
NET PROFIT	1,491	2,630	3,085	3,662	4,516
Normalized profit	1,449	2,608	3,085	3,662	4,516
EPS (Bt)	0.6	1.1	1.3	1.5	1.9
Normalized EPS (Bt)	0.6	1.1	1.3	1.5	1.9

Strong sales growth
despite the COVID crisis

Multi-year strong
earnings growth, based
on our estimates

BALANCE SHEET

FY ending Dec (Bt m)	2020A	2021A	2022F	2023F	2024F
ASSETS:					
Current assets:	5,861	11,886	12,185	13,723	16,536
Cash & cash equivalent	1,121	1,851	1,000	1,400	3,000
Account receivables	864	2,707	3,280	3,667	4,100
Inventories	3,664	6,208	7,543	8,282	9,051
Others	211	1,120	362	373	384
Investments & loans	675	774	872	971	1,070
Net fixed assets	506	615	772	896	984
Other assets	2,165	2,691	2,647	2,474	2,302
Total assets	9,207	15,966	16,476	18,064	20,891
LIABILITIES:					
Current liabilities:	4,430	9,751	8,645	8,810	10,360
Account payables	2,464	5,106	6,204	7,030	7,839
Bank overdraft & ST loans	1,283	3,801	1,270	933	2,051
Current LT debt	0	0	0	0	0
Others current liabilities	683	844	1,171	847	470
Total LT debt	708	677	226	166	366
Others LT liabilities	198	237	224	251	280
Total liabilities	5,336	10,665	9,096	9,226	11,006
Minority interest	19	16	14	14	12
Preferreds shares	0	0	0	0	0
Paid-up capital	300	300	600	600	600
Share premium	899	899	899	899	899
Warrants	0	0	0	0	0
Surplus	(15)	(14)	(14)	(14)	(14)
Retained earnings	2,668	4,100	5,881	7,338	8,388
Shareholders' equity	3,852	5,285	7,366	8,823	9,873
Liabilities & equity	9,207	15,966	16,476	18,064	20,891

Sources: Company data, Thanachart estimates

CASH FLOW STATEMENT

FY ending Dec (Bt m)	2020A	2021A	2022F	2023F	2024F
Earnings before tax	1,718	3,065	3,669	4,377	5,424
Tax paid	(276)	(433)	(662)	(761)	(982)
Depreciation & amortization	630	787	726	804	886
Chg In working capital	332	(1,745)	(810)	(301)	(393)
Chg In other CA & CL / minorities	492	(71)	392	(289)	(316)
Cash flow from operations	2,896	1,604	3,315	3,831	4,619
Capex	(28)	(292)	(400)	(420)	(440)
Right of use	(1,718)	(514)	(100)	(100)	(100)
ST loans & investments	36	(725)	769	0	0
LT loans & investments	(162)	(99)	(99)	(99)	(99)
Adj for asset revaluation	0	0	0	0	0
Chg In other assets & liabilities	(46)	(558)	(351)	(210)	(232)
Cash flow from investments	(1,917)	(2,187)	(181)	(828)	(871)
Debt financing	(149)	2,510	(2,982)	(398)	1,318
Capital increase	0	0	300	0	0
Dividends paid	(960)	(1,199)	(1,304)	(2,205)	(3,466)
Warrants & other surplus	(52)	1	0	0	0
Cash flow from financing	(1,161)	1,312	(3,985)	(2,603)	(2,148)
Free cash flow	2,868	1,312	2,915	3,411	4,179

VALUATION

FY ending Dec	2020A	2021A	2022F	2023F	2024F
Normalized PE (x)	50.1	27.8	23.5	19.8	16.1
Normalized PE - at target price (x)	64.6	35.9	30.3	25.6	20.7
PE (x)	48.7	27.6	23.5	19.8	16.1
PE - at target price (x)	62.8	35.6	30.3	25.6	20.7
EV/EBITDA (x)	31.2	19.4	16.4	13.9	11.4
EV/EBITDA - at target price (x)	40.1	24.9	21.1	18.0	14.7
P/BV (x)	18.8	13.7	9.9	8.2	7.4
P/BV - at target price (x)	24.3	17.7	12.7	10.6	9.5
P/CFO (x)	25.1	45.3	21.9	18.9	15.7
Price/sales (x)	1.9	1.4	1.2	1.0	0.9
Dividend yield (%)	1.7	1.7	1.9	4.1	5.4
FCF Yield (%)	4.0	1.8	4.0	4.7	5.8
(Bt)					
Normalized EPS	0.6	1.1	1.3	1.5	1.9
EPS	0.6	1.1	1.3	1.5	1.9
DPS	0.5	0.5	0.6	1.3	1.6
BV/share	1.6	2.2	3.1	3.7	4.1
CFO/share	1.2	0.7	1.4	1.6	1.9
FCF/share	1.2	0.5	1.2	1.4	1.7

Sources: Company data, Thanachart estimates

FINANCIAL RATIOS

FY ending Dec	2020A	2021A	2022F	2023F	2024F
Growth Rate					
Sales (%)	11.8	37.0	21.1	11.8	11.8
Net profit (%)	22.6	76.5	17.3	18.7	23.3
EPS (%)	22.6	76.5	17.3	18.7	23.3
Normalized profit (%)	19.1	80.0	18.3	18.7	23.3
Normalized EPS (%)	19.1	80.0	18.3	18.7	23.3
Dividend payout ratio (%)	80.5	45.6	45.6	82.0	87.0
Operating performance					
Gross margin (%)	12.6	13.4	13.1	13.0	13.2
Operating margin (%)	4.6	6.0	6.0	6.3	7.0
EBITDA margin (%)	6.3	7.6	7.2	7.5	8.2
Net margin (%)	3.7	4.9	4.8	5.1	5.7
D/E (incl. minor) (x)	0.5	0.8	0.2	0.1	0.2
Net D/E (incl. minor) (x)	0.2	0.5	0.1	(0.0)	(0.1)
Interest coverage - EBIT (x)	32.4	64.4	41.5	84.4	101.3
Interest coverage - EBITDA (x)	44.3	80.9	49.6	99.8	117.8
ROA - using norm profit (%)	15.8	20.7	19.0	21.2	23.2
ROE - using norm profit (%)	40.1	57.1	48.8	45.2	48.3
DuPont					
ROE - using after tax profit (%)	38.5	54.9	47.2	44.0	47.2
- asset turnover (x)	4.1	4.1	3.8	4.0	4.0
- operating margin (%)	4.7	6.1	6.1	6.4	7.1
- leverage (x)	2.5	2.8	2.6	2.1	2.1
- interest burden (%)	97.0	98.5	97.6	98.8	99.0
- tax burden (%)	80.9	81.9	81.3	81.3	81.3
WACC (%)	8.8	8.8	8.8	8.8	8.8
ROIC (%)	33.1	53.5	38.3	45.4	51.8
NOPAT (Bt m)	1,395	2,526	3,028	3,570	4,419
invested capital (Bt m)	4,721	7,913	7,863	8,522	9,290

Sources: Company data, Thanachart estimates

ESG Information - Third Party Terms

www.Settrade.com

SETTRADE: You acknowledge that the use of data, information or service displayed and/or contained in this website may require third party's data, content or software which is subject to the terms of third party provider. By accessing and/or using of such certain data, you acknowledge and agree to comply with and be bound by the applicable third party terms specified below.

ESG Scores by Third Party data from www.SETTRADE.com

1. MSCI (CCC- AAA)
2. Arabesque S-Ray (0-100)
3. Refinitiv (0-100)
4. S&P Global (0-100)
5. Moody's ESG Solutions (0-100)

SET THSI Index (SETTHSI)

Nowadays, long-term investment tends to be more focused on sustainable companies. The financial statement performance and the consideration in environmental, social and governance (ESG) perspective are keys aspects for analysis.

SET has created a Thailand Sustainability Investment (THSI) list since 2015 for using as an alternative investment in the high performance ESG stocks for investors while, supporting the sustainable Thai companies. SET defines the sustainable companies as the companies that embrace risk management, supply chain management and innovations together with responsibility for environmental, social and governance aspects

As a result, SET has created the SETTHSI for the purpose of indicating the price of these sustainable companies that pass the market capital size and liquidity criteria.

Arabesque S-Ray®

The S-Ray data here is published with a 3 month delay. For the latest data, please contact sray@arabesque.com

Arabesque S-Ray® is a service (the "Service") provided by Arabesque S-Ray GmbH ("Arabesque S-Ray") and its branch and subsidiary companies. Arabesque S-Ray is a limited liability company (Gesellschaft mit beschränkter Haftung) incorporated in Frankfurt am Main and organized under the laws of Germany with registered number HRB 113087 in the commercial register of the local court with its seat and business address at Zeppelinallee 15, 60325 Frankfurt am Main, Germany. The Service is unconnected to any of the asset management activities conducted within the wider group of Arabesque companies, and is not investment advice or a solicitation or an offer to buy any security or instrument or to participate in investment services. RELIANCE - Arabesque S-Ray makes no representation or warranty, express or implied, as to the accuracy or completeness of the information contained herein, and accepts no liability for any loss, of whatever kind, howsoever arising, in relation thereto, and nothing contained herein should be relied upon. ENQUIRIES - Any enquiries in respect of this document should be addressed to Arabesque S-Ray.

Arabesque S-Ray® - The ESG Score, ranging from 0 to 100, identifies sustainable companies that are better positioned to outperform over the long run, based on the principles of financial materiality. That is, when computing the ESG Score of a company, the algorithm will only use information that significantly helps explain future risk-adjusted performance. Materiality is applied by overweighting features with higher materiality and rebalancing these weights on a rolling quarterly basis to stay up-to-date

MSCI ESG Research LLC

"Certain information @2021 MSCI ESG Research LLC. Reproduced by permission"

"Although [User ENTITY NAME's] information providers, including without limitation, MSCI ESG Research LLC and its affiliates (the "ESG Parties"), obtain information (the "Information") from sources they consider reliable, none of the ESG Parties warrants or guarantees the originality, accuracy and/or completeness, of any data herein and expressly disclaim all express or implied warranties, including those of merchantability and fitness for a particular purpose. The Information may only be used for your internal use, may not be reproduced or disseminated in any form and may not be used as a basis for, or a component of, any financial instruments or products or indices. Further, none of the Information can in and of itself be used to determine which securities to buy or sell or when to buy or sell them. None of the ESG Parties shall have any liability for any errors or omissions in connection with any data herein, or any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages."

Score range	Description
CCC - B	LAGGARD: A company lagging its industry based on its high exposure and failure to manage significant ESG risks
BB - BBB - A	AVERAGE : A company with a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers
AA - AAA	LEADER: A company leading its industry in managing the most significant ESG risks and opportunities

The Dow Jones Sustainability Indices (DJSI)

The Dow Jones Sustainability Indices (DJSI) are a family of best-in-class benchmarks for investors who have recognized that sustainable business practices are critical to generating long-term shareholder value and who wish to reflect their sustainability convictions in their investment portfolios. The family was launched in 1999 as the first global sustainability benchmark and tracks the stock performance of the world's leading companies in terms of economic, environmental and social criteria. Created jointly by S&P Dow Jones Indices and SAM, the DJSI combine the experience of an established index provider with the expertise of a specialist in Sustainable Investing to select the most sustainable companies from across 61 industries. The indices serve as benchmarks for investors who integrate sustainability considerations into their portfolios, and provide an effective engagement platform for investors who wish to encourage companies to improve their corporate sustainability practices.

S&P Global Market Intelligence

Copyright © 2021, S&P Global Market Intelligence (and its affiliates as applicable). Reproduction of any information, opinions, views, data or material, including ratings ("Content") in any form is prohibited except with the prior written permission of the relevant party. Such party, its affiliates and suppliers ("Content Providers") do not guarantee the accuracy, adequacy, completeness, timeliness or availability of any Content and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such Content. In no event shall Content Providers be liable for any damages, costs, expenses, legal fees, or losses (including lost income or lost profit and opportunity costs) in connection with any use of the Content. A reference to a particular investment or security, a rating or any observation concerning an investment that is part of the Content is not a recommendation to buy, sell or hold such investment or security, does not address the suitability of an investment or security and should not be relied on as investment advice. Credit ratings are statements of opinions and are not statements of fact.

ESG risk combines the concepts of management and exposure to arrive at an absolute assessment of ESG risk. We identify five categories of ESG risk severity that could impact a company's enterprise value

Moody's ESG Solutions

© 2022 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

CREDIT RATINGS ISSUED BY MOODY'S CREDIT RATINGS AFFILIATES ARE THEIR CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MATERIALS, PRODUCTS, SERVICES AND INFORMATION PUBLISHED BY MOODY'S (COLLECTIVELY, "PUBLICATIONS") MAY INCLUDE SUCH CURRENT OPINIONS. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT OR IMPAIRMENT. SEE APPLICABLE MOODY'S RATING SYMBOLS AND DEFINITIONS PUBLICATION FOR INFORMATION ON THE TYPES OF CONTRACTUAL FINANCIAL OBLIGATIONS ADDRESSED BY MOODY'S CREDIT RATINGS. CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS, NON-CREDIT ASSESSMENTS ("ASSESSMENTS"), AND OTHER OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S PUBLICATIONS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OR COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. AND/OR ITS AFFILIATES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS DO NOT COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS, ASSESSMENTS AND OTHER OPINIONS AND PUBLISHES ITS PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS, AND PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS OR PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER.

ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT MOODY'S PRIOR WRITTEN CONSENT.

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT INTENDED FOR USE BY ANY PERSON AS A BENCHMARK AS THAT TERM IS DEFINED FOR REGULATORY PURPOSES AND MUST NOT BE USED IN ANY WAY THAT COULD RESULT IN THEM BEING CONSIDERED A BENCHMARK.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing its Publications.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information.

NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY CREDIT RATING, ASSESSMENT, OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any credit rating, agreed to pay to Moody's Investors Service, Inc. for credit ratings opinions and services rendered by it fees ranging from \$1,000 to approximately \$5,000,000. MCO and Moody's Investors Service also maintain policies and procedures to address the independence of Moody's Investors Service credit ratings and credit rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold credit ratings from Moody's Investors Service and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at www.moody.com under the heading "Investor Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors.

Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

Additional terms for Hong Kong only: Any Second Party Opinion or other opinion that falls within the definition of "advising on securities" under the Hong Kong Securities and Futures Ordinance ("SFO") is issued by Vigeo Eiris Hong Kong Limited, a company licensed by the Hong Kong Securities and Futures Commission to carry out the regulated activity of advising on securities in Hong Kong. This Second Party Opinion or other opinion that falls within the definition of "advising on securities" under the SFO is intended for distribution only to "professional investors" as defined in the SFO and the Hong Kong Securities and Futures (Professional Investors) Rules. This Second Party Opinion or other opinion must not be distributed to or used by persons who are not professional investors.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any credit rating, agreed to pay to MJKK or MSFJ (as applicable) for credit ratings opinions and services rendered by it fees ranging from JPY125,000 to approximately JPY550,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.

Refinitiv ESG

These Terms of Use govern your access or use of the ESG information and materials on the Refinitiv website and any AI powered voice assistance software ("Refinitiv ESG Information"). 2020© Refinitiv. All rights reserved. Refinitiv ESG Information is proprietary to Refinitiv Limited and/or its affiliates ("Refinitiv").

The Refinitiv ESG Information is for general informational and non-commercial purposes only. Reproduction, redistribution or any other form of copying or transmission of the Refinitiv ESG Information is prohibited without Refinitiv's prior written consent.

All warranties, conditions and other terms implied by statute or common law including, without limitation, warranties or other terms as to suitability, merchantability, satisfactory quality and fitness for a particular purpose, are excluded to the maximum extent permitted by applicable laws. The Refinitiv ESG Information is provided "as is" and Refinitiv makes no express or implied warranties, representations or guarantees concerning the accuracy, completeness or currency of the information in this service or the underlying Third Party Sources (as defined below). You assume sole responsibility and entire risk as to the suitability and results obtained from your use of the Refinitiv ESG Information.

The Refinitiv ESG Information does not amount to financial, legal or other professional advice, nor does it constitute: (a) an offer to purchase shares in the funds referred to; or (b) a recommendation relating to the sale and purchase of instruments; or (c) a recommendation to take any particular legal, compliance and/or risk management decision. Investors should remember that past performance is not a guarantee of future results.

The Refinitiv ESG Information will not be used to construct or calculate and index or a benchmark, used to create any derivative works or used for commercial purposes. Refinitiv's disclaimer in respect of Benchmark Regulations applies to the Refinitiv ESG Information.

No responsibility or liability is accepted by Refinitiv its affiliates, officers, employees or agents (whether for negligence or otherwise) in respect of the Refinitiv ESG Information, or for any inaccuracies, omissions, mistakes, delays or errors in the computation and compilation of the Refinitiv ESG Information (and Refinitiv shall not be obliged to advise any person of any error therein). For the avoidance of doubt, in no event will Refinitiv have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) relating to any use of the Refinitiv ESG Information.

You agree to indemnify, defend and hold harmless Refinitiv from and against any claims, losses, damages, liabilities, costs and expenses, including, without limitation, reasonable legal and experts' fees and costs, as incurred, arising in any manner out of your use of, or inability to use, any Information contained on the Refinitiv web site or obtained via any AI powered voice assistance software.

You represent to us that you are lawfully able to enter into these Terms of Use. If you are accepting these Terms of Use for and on behalf of an entity such as the company you work for, you represent to us that you have legal authority to bind that entity.

By accepting these Terms of Use you are also expressly agreeing to the following Refinitiv's website Terms of Use.

Refinitiv ESG scores are derived from third party publicly available sources ("Third Party Sources") and are formulated on the basis of Refinitiv own transparent and objectively applied methodology. Refinitiv's ESG Information methodology can be accessed [here](#).

Score range	Description	
0 to 25	First Quartile	Scores within this range indicates poor relative ESG performance and insufficient degree of transparency in reporting material ESG data publicly.
> 25 to 50	Second Quartile	Scores within this range indicates satisfactory relative ESG performance and moderate degree of transparency in reporting material ESG data publicly.
> 50 to 75	Third Quartile	Scores within this range indicates good relative ESG performance and above average degree of transparency in reporting material ESG data publicly.
> 75 to 100	Fourth Quartile	Score within this range indicates excellent relative ESG performance and high degree of transparency in reporting material ESG data publicly.

CG Report : by Thai Institute of Directors Association (Thai IOD), Established in December 1999, the Thai IOD is a membership organization that strives to promote professionalism in directorship. The Thai IOD offers directors certification and professional development courses, provides a variety of seminars, forums and networking events, and conducts research on board governance issues and practices. Membership comprises board members from companies ranging from large publicly listed companies to small private firms.



General Disclaimers And Disclosures:

This report is prepared and issued by Thanachart Securities Public Company Limited (TNS) as a resource only for clients of TNS, Thanachart Capital Public Company Limited (TCAP) and its group companies. Copyright © Thanachart Securities Public Company Limited. All rights reserved. The report may not be reproduced in whole or in part or delivered to other persons without our written consent.

This report is prepared by analysts who are employed by the research department of TNS. While the information is from sources believed to be reliable, neither the information nor the forecasts shall be taken as a representation or warranty for which TNS or TCAP or its group companies or any of their employees incur any responsibility. This report is provided to you for informational purposes only and it is not, and is not to be construed as, an offer or an invitation to make an offer to sell or buy any securities. Neither TNS, TCAP nor its group companies accept any liability whatsoever for any direct or consequential loss arising from any use of this report or its contents.

The information and opinions contained herein have been compiled or arrived at from sources believed reliable. However, TNS, TCAP and its group companies make no representation or warranty, express or implied, as to their accuracy or completeness. Expressions of opinion herein are subject to change without notice. The use of any information, forecasts and opinions contained in this report shall be at the sole discretion and risk of the user.

TNS, TCAP and its group companies perform and seek to perform business with companies covered in this report. TNS, TCAP, its group companies, their employees and directors may have positions and financial interest in securities mentioned in this report. TNS, TCAP or its group companies may from time to time perform investment banking or other services for, or solicit investment banking or other business from, any entity mentioned in this report. Therefore, investors should be aware of conflict of interest that may affect the objectivity of this report.

Note: Thanachart Securities Public Company Limited act as a Market Maker and Derivative Warrants Issuer. At present, TNS has issued 99 Derivative Warrants which are ADVANC16C2301A, ADVANC16C2210A, ADVANC16C2211A, AMATA16C2212A, AMAT16C2209A, AOT16C2212A, AOT16C2209A, BANPU16C2302A, BANPU16C2212A, BANPU16C2210A, BBL16C2212A, BCH16C2211A, BH16C2212B, BH16C2212A, BGRIM16C2301A, BGRIM16C2212A, BGRI16C2209A, BLA16C2212A, BLA16C2209A, BTS16C2301A, CBG16C2301B, CBG16C2301A, CBG16C2210A, CENTEL16C2209A, COM716C2209A, COM716C2211A, COM716C2211B, COM716C2211C, CPALL16C2211A, CPN16C2301A, DTAC16C2212A, DOHOME16C2301A, EA16C2209A, EA16C2211A, ESSO16C2209A, ESSO16C2209B, FORTH16C2211A, GPSC16C2301A, GPSC16C2209A, GULF16C2302A, GULF16C2301A, GULF16C2210A, GUNKUL16C2301A, GUNK16C2209A, HANA16C2301A, HANA16C2209A, HANA16C2211A, IVL16C2301A, IVL16C2212A, IVL16C2209A, IVL16C2211A, JMART16C2210A, JMART16C2211A, JMT16C2210A, JMT16C2211A, KBANK16C2302A, KBANK16C2301A, KBAN16C2209A, KBANK16C2211A, KCE16C2301B, KCE16C2301A, KCE16C2209A, KCE16C2211A, KTC16C2211A, KTC16C2209A, MINT16C2301A, MINT16C2211A, MTC16C2301A, MTC16C2212A, MTC16C2209A, PSL16C2212A, PTG16C2211A, PTG16C2209A, PTTEP16C2212A, PTTE16C2209A, RBF16C2209A, SAWAD16C2211A, S5016C2209A, S5016P2209A, SAWA16C2209A, SCB16C2301A, SCB16C2211A, SCGP16C2212A, SET5016C2212B, SET5016P2212A, SET5016C2209B, SET5016C2212A, SET5016P2209B, SINGER16C2212A, SPRC16C2212A, SPRC16C2209A, STEC16C2209A, TIDLOR16C2212A, TOP16C2211A, TRUE16C2212A, TTA16C2211A, TU16C2210A, VGI16C2301A, WHA16C2209A (underlying securities are (ADVANC, AMATA, AOT, BANPU, BBL, BCH, BGRIM, BH, BLA, BTS, CBG, CENTEL, COM7, CPALL, CPN, DOHOME, DTAC, EA, ESSO, FORTH, GPSC, GULF, GUNKUL, HANA, IVL, JMART, JMT, KBANK, KCE, KTC, MINT, MTC, PSL, PTG, PTTEP, RBF, SAWAD, SCB, SET50, SCGP, SINGER, SPRC, STEC, TIDLOR, TOP, TRUE, TTA, TU, VGI, WHA). before making investment decisions.

Note: Our major shareholder TCAP (Thanachart Capital Pcl) which holding 50.96% of Thanachart Securities and also TCAP holding 100% of Thanachart SPV1 Co. Ltd. TCAP and Thanachart SPV1 Co. Ltd has stake in THANI for 60% and being the major shareholder of THANI.

Note: Thanachart Capital Public Company Limited (TCAP), TMBThanachart Bank Public Company Limited (TTB), are related companies to Thanachart Securities Public Company Limited (TNS). Thanachart Securities Pcl is a subsidiary of Thanachart Capital Pcl (TCAP) which holds 23% of the shareholding in TMBThanachart Bank Pcl.

Thanachart Capital Public Company Limited (TCAP), Ratchthani Leasing Public Company Limited (THANI), MBK PUBLIC COMPANY LIMITED (MBK) and PATUM RICE MILL AND GRANARY PUBLIC COMPANY LIMITED (PRG) are related companies to Thanachart Securities Public Company Limited (TNS) . Since TNS covers those securities in research report, consequently TNS incurs conflicts of interest.

Disclosure of Interest of Thanachart Securities**Investment Banking Relationship**

Within the preceding 12 months, Thanachart Securities has lead-managed public offerings and/or secondary offerings (excluding straight bonds) of the securities of the following companies: The One Enterprise Pcl. (ONEE TB)

Recommendation Structure:

Recommendations are based on absolute upside or downside, which is the difference between the target price and the current market price. If the upside is 10% or more, the recommendation is BUY. If the downside is 10% or more, the recommendation is SELL. For stocks where the upside or downside is less than 10%, the recommendation is HOLD. Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on the market price and the formal recommendation.

For sectors, an "Overweight" sector weighting is used when we have BUYs on majority of the stocks under our coverage by market cap. "Underweight" is used when we have SELLs on majority of the stocks we cover by market cap. "Neutral" is used when there are relatively equal weightings of BUYs and SELLs.

Thanachart Securities Pcl.

Research Team

18 Floor, MBK Tower

444 Phayathai Road, Pathumwan Road, Bangkok 10330

Tel: 662 - 779-9119

Email: thanachart.res@thanachartsec.co.th

Pimpaka Nichgaroon, CFA

Head of Research

Tel: 662-779-9199

pimpaka.nic@thanachartsec.co.th

Pattarawan Wangmingmat

Senior Technical Analyst

Tel: 662-779-9105

pattarawan.wan@thanachartsec.co.th

Phannarai Tiypittayarut

Property, Retail

Tel: 662-779-9109

phannarai.von@thanachartsec.co.th

Sarachada Sornsong

Bank, Finance

Tel: 662-779-9106

sarachada.sor@thanachartsec.co.th

Witchanan Tambamroong

Technical Analyst

Tel: 662-779-9123

witchanan.tam@thanachartsec.co.th

Adisak Phupiphathirungul, CFA

Retail Market Strategy

Tel: 662-779-9120

adisak.phu@thanachartsec.co.th

Nuttapop Prasitsuksant

Telecom, Utilities

Tel: 662-483-8296

nuttapop.pra@thanachartsec.co.th

Rata Limsuthiwanpoom

Auto, Industrial Estate, Media, Prop. Fund

Tel: 662-483-8297

rata.lim@thanachartsec.co.th

Siriporn Arunothai

Small Cap, Healthcare, Hotel

Tel: 662-779-9113

siriporn.aru@thanachartsec.co.th

Sittichet Rungrassameeaphat

Analyst, Quantitative

Tel: 662-483-8303

sittichet.run@thanachartsec.co.th

Chak Reungsinpinya

Strategy, Insurance, Paper

Tel: 662-779-9104

chak.reu@thanachartsec.co.th

Pattadol Bunnak

Electronics, Food & Beverage, Shipping

Tel: 662-483-8298

pattadol.bun@thanachartsec.co.th

Saksid Phadthanarak

Construction, Transportation

Tel: 662-779-9112

saksid.pha@thanachartsec.co.th

Yupapan Polpornprasert

Energy, Petrochemical

Tel: 662-779-9110

yupapan.pol@thanachartsec.co.th

Thaloengsak Kucharoenpaisan

Analyst, Retail Market

Tel: 662-483-8304

thaloengsak.kuc@thanachartsec.co.th