

Market Activity

Tuesday, 17 Sep 2024

Market Index	:	7,831.8
Index Movement	:	+19.6 0.25%
Market Volume	:	23,166 Mn shrs
Market Value	:	10,991 Bn rupiah

	Last Close	Changes +/-	Changes %
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Leading Movers

BMRI	7,425	150	2.1
GOTO	65	4	6.6
BBCA	10,500	75	0.7
ADRO	3,760	90	2.5

Lagging Movers

BREN	11,150	-625	-5.3
DNET	8,875	-625	-6.6
TPIA	8,925	-75	-0.8
TLKM	3,090	-20	-0.6

Foreign Net Buy / Sell (Regular Market)

Net Buy (IDR bn)	Net Sell (IDR bn)	
Last Close	Changes +/-	Changes %
BRIS	304	BBRI
BBCA	285	ADRO
BMRI	215	BREN
UNTR	36	GOTO
CPIN	34	BSDE
		38

Money Market

	Last Close	Changes +/-	Changes %
USD/IDR	15,335	-65.0	0.4
JIBOR O/N	5.9	0.0	-0.3

Dual Listing Securities

	Last Close	Changes +/-	Changes %
TLKM	20.2	-0.2	-1.0
EIDO	22.7	0.3	1.4

Global Indices

	Last Close	Changes +/-	Changes %
DJIA	41,606	212	0.51
S&P 500	5,635	9	0.15
Euro Stoxx	4,861	17	0.35
MSCI World	3,641	6	0.16
STI	3,593	31	0.86
Nikkei	36,203	-379	-1.03
Hang Seng	17,660.0	290.9	1.7

Commodities*

	Last Close	Changes +/-	Changes %
Brent Oil	73.7	2.1	2.92
Coal (ICE)	136.4	1.8	-0.32
CPO Malay	3,736.0	-39.0	-1.03
Gold	2,569.5	-8.2	1.30
Nickel	16,023.3	228.6	1.45
Tin	31,855.0	50.0	0.16

*last price per closing date

Highlights

- **MTDL** : [IDR 330 Billion Capex](#)
- **GOTO** : [Strategic Partnership with Alibaba Cloud](#)
- **Consumer** : [Fish Milk Plant in Indramayu](#)
- **TOWR** : [Plans to Raise Funds Through Rights Issue](#)

Market
JCI is Expected to Move Sideways Today

US stocks closed mixed on Tuesday (17/9): Dow -0.04%, S&P 500 +0.03%, Nasdaq +0.20%. S&P 500 closed almost flat after hitting a record high as the market prepared for the Fed's rate cut decision. The UST 10Y yield rose +0.029bps (+0.80%) to 3.65%, and the USD Index went up +0.22% to 100.9.

Commodity market closed mixed on Tuesday (17/9): WTI oil +0.88% to USD 71.2/bbl, coal +1.75% to USD 139.7/ton, nickel -1.15% to USD 16,136/ton, and gold -0.46% to USD 2,570.9/toz.

Asian stocks closed mixed on Tuesday (17/9): Nikkei -1.03%, Hang Seng +1.37%, and Shanghai was closed. JCI closed at 7,831.8, with net foreign buy of IDR 678.7 billion; IDR 669.7 billion in the regular market, and IDR 9.0 billion in the negotiation market. The largest foreign inflow in the regular market was recorded by BRIS (IDR 303.8 billion), followed by BBCA (IDR 285.4 billion), and BMRI (IDR 214.9 billion). The largest foreign outflow in the regular market was recorded by BBRI (IDR 131.2 billion), followed by ADRO (IDR 109.6 billion), and BREN (IDR 95.7 billion). The top leading movers were BMRI, GOTO, BBCA, while the top lagging movers were BREN, DNET, TPIA.

Nikkei (+0.98%) opened higher today, while KOSPI is closed for Chuseok Festivity. We expect JCI to move sideways today, given mixed sentiments from global and regional market.

COMMODITIES

Gold: Gold 100 Oz Futures (USD/Troi oz)



Oil: Generic 1st Crude Oil, Brent (USD/Barel)



Coal: Newcastle Coal (USD/MT)



CPO: Bursa Malaysia Crude Palm Oil (MYR/MT)



Pulp: Generic Bleached Softwood Craft Pulp (CNY/MT)



Nickel: London Metal Exchange Nickel Future (USD/MT)



Macro Update: Aug-24 Trade Balance

In August 2024, Indonesia's trade surplus rose significantly to USD 2.89 billion, far exceeding market expectations of USD 1.96 billion and our upper bound forecast of USD 2.32 billion. The figure reflects robust trade performance driven by strong export growth and rising imports. Exports grew 7.13% year-on-year, marking the fastest growth in 19 months, fueled by high demand for key commodities and favorable currency conditions. Imports also saw a 9.46% increase, highlighting domestic consumption recovery and demand for manufacturing inputs. Despite uncertainties, Indonesia posted a cumulative trade surplus of USD 23.71 billion for the first eight months of 2024. However, future trade prospects may face challenges from industrial slowdown.

MTDL: IDR 330 Billion Capex

PT Metrodata Electronics Tbk (MTDL) has prepared capital expenditure (capex) budget of IDR 330 billion for 2024. Management said that IDR 120 billion of the budget will be used to expand the capacity of its logistics center in Cibitung, while the rest will be allocated to rent IT equipment for its O&G business and to procure new IT equipment. ([Emiten news](#))

GOTO: Strategic Partnership with Alibaba Cloud

GOTO established strategic partnership with Alibaba to strengthen Indonesia's digital economy with Alibaba Cloud technology for five years, with Alibaba committing to retain 88,531,124,993 GOTO series A shares (8.21% stake). The memorandum of understanding for this partnership was signed on 13 September 2024, and GoTo's cloud services will be migrated to Alibaba Cloud's system starting in October 2024. The partnership is expected to improve GoTo's operational efficiency, simplify business processes, and reduce costs through the use of cloud technology and artificial intelligence. ([IDX](#))

Consumer: Fish Milk Plant in Indramayu

Ministry of Maritime Affairs and Fisheries (KKP) announced that the fish milk plant in Indramayu, West Java, is already operating with production capacity of 30 tons per month. The factory has been operating since 2021, and KKP plans to build another factory in Pekalongan this year to process Fish Protein Hydrolysate (HPI). ([IDX Channel](#))

TOWR: Plans to Raise Funds Through Rights Issue

PT Sarana Menara Nusantara Tbk (TOWR) plans to raise funds by conducting rights issue (PMHMETD) with a target of raising IDR 9 trillion. The proceeds will be used to pay off the debt of its subsidiary PT Protelindo, and as working capital. TOWR will seek approval for the plan in its EGMS on 25 October 2024. ([IDX](#))

Stock	Rec.	JCI Wgt (%)	Last price (IDR)	YTD Chg (%)	TP SSI (IDR)	TP Cons (IDR)	SSI Upside (%)	PE (x) 24E	PE (x) 25E	PBV (x) 24E	PBV (x) 25E	ROE (%) 24E	ROE (%) 25E
Banks													
BBCA	BUY	8.8	10,500	11.7	11,500	11,450	9.5	24.4	22.5	4.9	4.4	20.0	19.7
BBRI	HOLD	9.8	5,300	(7.4)	5,000	5,737	-5.7	11.4	10.2	2.5	2.3	21.6	22.9
BMRI	BUY	8.4	7,425	22.7	8,000	7,816	7.7	11.9	10.8	2.4	2.2	20.3	20.3
BBNI	BUY	2.6	5,650	5.1	6,600	6,189	16.8	8.9	8.0	1.3	1.2	14.6	14.9
BBTN	HOLD	0.2	1,445	15.6	1,350	1,620	-6.6	4.1	3.6	0.5	0.4	11.2	11.4
<i>Average</i>								12.1	11.0	1.4	1.3	15.4	15.5
Consumer (Staples)													
ICBP	BUY	0.8	11,400	7.8	13,000	13,789	14.0	14.2	13.3	2.8	2.5	19.6	18.6
INDF	BUY	1.0	7,100	10.1	8,000	7,991	12.7	6.2	5.6	0.9	0.8	15.2	15.0
KLBF	BUY	1.0	1,705	5.9	2,100	1,760	23.2	24.8	22.3	3.4	3.2	13.8	14.1
UNVR	HOLD	0.4	2,180	(38.2)	3,910	2,535	79.4	16.3	15.4	21.7	19.6	132.6	127.0
SIDO	BUY	0.1	675	28.6	750	836	11.1	18.1	16.8	5.6	15.4	31.2	91.8
<i>Average</i>								15.9	14.7	6.9	8.3	42.5	53.3
Cigarette													
HMSP	SELL	0.2	755	(15.6)	825	829	9.3	9.9	9.0	2.9	2.9	29.3	31.8
GGRM	HOLD	0.2	15,950	(21.5)	26,380	15,577	65.4	5.8	6.1	0.5	0.5	8.0	8.1
<i>Average</i>								7.9	7.5	1.7	1.7	18.6	20.0
Digital Bank													
ARTO	SELL	0.4	2,990	3.1	2,900	2,905	-3.0	494.0	278.5	4.9	4.8	1.0	1.7
BBHI	BUY	0.1	1,005	(22.1)	3,400	1,135	238.3	71.8	62.8	3.3	3.2	4.6	5.0
<i>Average</i>								282.9	170.6	4.1	4.0	2.8	3.4
Healthcare													
MIKA	HOLD	0.5	3,090	8.4	3,000	3,271	-2.9	39.2	34.3	7.2	7.2	18.4	21.0
SILO	BUY	0.2	2,920	33.9	2,900	3,125	-0.7	28.6	24.2	5.0	5.0	17.3	20.5
HEAL	BUY	0.4	1,405	(5.7)	1,800	1,693	28.1	34.8	28.7	6.1	6.1	17.6	21.3
<i>Average</i>								34.2	29.1	6.1	6.1	17.8	20.9
Poultry													
CPIN	BUY	0.9	4,960	(1.3)	5,500	5,964	10.9	24.1	21.9	2.8	2.6	11.4	11.7
JPFA	HOLD	0.2	1,565	32.6	1,600	1,910	2.2	8.9	7.7	1.1	1.0	12.6	13.3
<i>Average</i>								16.5	14.8	1.9	1.8	12.0	12.5
Retail													
MAPI	BUY	0.4	1,790	-	2,100	1,884	17.3	12.6	11.3	2.4	2.0	19.2	17.8
RALS	SELL	0.0	414	(19.6)	580	516	40.1	8.5	8.3	0.7	0.7	8.3	8.7
ACES	BUY	0.2	785	9.0	1,000	958	27.4	15.4	13.4	2.0	1.9	13.1	14.0
LPPF	BUY	0.1	1,620	(19.0)	5,800	1,800	258.0	4.7	4.5	11.3	5.4	240.3	119.4
ERAA	HOLD	0.1	462	8.5	550	512	19.0	7.4	6.2	0.9	0.8	12.2	13.0
AMRT	BUY	1.6	3,150	7.5	3,250	3,380	3.2	31.1	26.5	7.7	6.6	24.7	24.9
MIDI	BUY	0.1	458	6.5	560	556	22.3	25.6	21.3	3.7	3.3	14.4	15.4
<i>Average</i>								15.0	13.1	4.1	3.0	47.5	30.4
Pulp and Paper													
INKP	BUY	0.5	8,275	(0.6)	9,900	14,045	19.6	3.2	3.2	0.6	0.4	17.5	12.3
ALDO	BUY	0.0	408	(12.3)	2,000	N/A	390.2	6.1	4.4	0.6	0.5	9.8	11.6
<i>Average</i>								4.7	3.8	0.6	0.5	13.6	12.0
Media													
MNCN	SELL	0.1	322	(16.6)	260	614	(19.3)	1.6	1.5	0.2	0.1	10.2	10.1
SCMA	SELL	0.1	122	(28.2)	110	303	(9.8)	24.8	24.4	1.0	0.9	3.9	3.8
FILM	BUY	0.2	4,040	2.0	5,500	7,000	36.1	367.3	224.4	23.5	21.4	6.4	9.5
<i>Average</i>								131.2	83.4	8.2	7.5	6.8	7.8

Market Overview & Key Data (as of 18 September 2024)													
Sector		Stock ID		Current Price		EPS (Rp)		P/E Ratio		Dividend Yield (%)		Beta	
Telco		EXCL	HOLD	0.3	2,290	14.5	2,500	2,897	9.2	19.1	18.8	0.9	0.9
		ISAT	HOLD	0.4	10,825	15.5	12,500	12,998	15.5	19.4	16.5	2.6	2.4
		TLKM	BUY	4.5	3,090	(21.8)	3,600	3,902	16.5	11.6	10.9	2.2	1.8
	Average									16.7	15.4	1.9	1.7
Telco Infra		TBIG	HOLD	0.1	1,910	(8.6)	1,900	1,983	-0.5	27.6	27.2	3.7	3.6
		TOWR	BUY	0.6	845	(14.6)	1,030	1,184	21.9	12.3	12.3	2.3	2.0
		MTEL	BUY	0.3	655	(7.1)	800	830	22.1	25.3	23.4	1.6	1.5
	Average									21.7	20.9	2.5	2.4
Auto		ASII	HOLD	2.9	5,075	(10.2)	5,600	5,638	10.3	6.7	6.7	1.0	1.0
		DRMA	BUY	0.0	1,095		1,600	1,540	46.1	8.1	8.1	2.2	1.7
		ASLC	BUY	0.0	107		320	153	199.1	23.3	22.3	1.9	1.8
	Average									12.7	12.4	1.7	1.5
Mining Contracting		UNTR	BUY	1.2	26,675	17.9	31,000	29,350	16.2	4.8	5.8	1.2	1.1
	Average									4.8	5.8	1.2	1.1
Property		BSDE	BUY	0.2	1,135	5.1	1,420	1,417	25.1	8.9	8.6	0.6	0.5
		PWON	SELL	0.2	505	11.2	500	572	-1.0	11.1	10.9	1.3	1.0
		SMRA	BUY	0.2	650	13.0	720	769	10.8	11.9	11.7	1.1	0.9
		CTRA	HOLD	0.3	1,300	11.1	1,400	1,553	7.7	11.9	11.0	1.2	1.0
		MKPI	BUY	0.1	26,500	(2.6)	32,000	32,000	20.8	28.2	23.8	3.4	3.1
	Average									14.4	13.2	1.5	1.3
Industrial Estate		SSIA	BUY	0.1	1,380	218.0	1,650	1,593	19.6	13.6	14.5	1.7	1.6
	Average									13.6	14.5	1.7	1.6
Construction		PTPP	BUY	0.0	454	6.1	870	718	91.6	7.6	9.3	0.2	0.2
		ADHI	BUY	0.0	286	(8.3)	630	530	120.3	31.8	40.9	0.3	0.3
		WSKT	n.a.	0.0	n.a.	n.a.	340	220	n.a.	n.a.	n.a.	n.a.	-0.5
		WIKA	n.a.	0.0	n.a.	96.2	750	493	n.a.	n.a.	n.a.	n.a.	0.7
		WEGE	BUY	0.0	83		300	n.a.	261.4	2.7	2.2	0.3	11.3
	Average									5.1	5.7	0.3	4.7
Cement		INTP	HOLD	0.3	6,825	(27.4)	7,700	8,276	12.8	12.0	10.5	1.1	1.0
		SMGR	HOLD	0.4	3,960	(38.1)	4,200	4,744	6.1	12.3	9.5	0.6	0.5
	Average									12.2	10.0	0.8	0.8
Precast		WTON	BUY	0.0	110	1.9	266	N/A	141.8	8.5	7.1	0.3	0.3
	Average									8.5	7.1	0.3	3.2
Oil and Gas		PGAS	BUY	0.5	1,495	32.3	2,200	1,596	47.2	8.5	7.5	0.6	0.6
		AKRA	BUY	0.3	1,480	0.3	2,000	1,876	35.1	10.3	9.7	2.3	2.2
		MEDC	BUY	0.2	1,230	6.5	2,200	1,933	78.9	4.8	4.8	0.9	0.8
		RAJA	BUY	0.0	1,205	(14.5)	2,200	1,700	82.6	13.4	13.4	2.0	1.8
	Average									9.3	8.9	1.5	1.4
Chemical		TPIA	SELL	4.2	8,925	70.0	2,563	1,140	-71.3	495.8	N/A	17.2	N/A
		BRPT	HOLD	0.9	1,145	(13.8)	1,150	2,185	0.4	57.3	N/A	5.6	N/A
		ESSA	SELL	0.2	820	54.7	225	720	-72.6	32.8	N/A	2.8	N/A
	Average									195.3	N/A	8.5	N/A
Utilities		JSMR	SELL	0.3	5,100	4.7	4,900	6,456	-3.9	12.1	11.0	1.2	1.1
												10.3	10.3

Equity Research Report Summary													
Stock		Rating		Price		EPS		Dividend		Yield		Market Value	
Name	Ticker	Rating	Target Price	Current Price	Change (%)	EPS (Rupiah)	EPS Growth (%)	Dividend (Rupiah)	Dividend Yield (%)	Yield (%)	Market Cap (Bn Rupiah)	P/E Ratio	
Metal													
ANTM	HOLD	0.4	1,380	(19.1)	1,400	1,708	1.4	7.8	7.4	1.0	0.9	12.6	
MDKA	HOLD	0.9	2,300	(14.8)	3,300	2,981	43.5	216.2	45.6	1.8	1.7	0.8	
INCO	HOLD	0.2	3,720	(12.5)	4,000	4,671	7.5	24.1	20.0	0.9	0.9	3.9	
BRMS	BUY	0.4	166	(2.4)	230	233	38.6	81.9	45.3	1.6	1.5	1.9	
NCKL	BUY	0.2	875	(12.5)	1,200	1,180	37.1	8.5	6.3	1.6	1.3	18.8	
AMMN	BUY	4.0	10,275	56.9	12,000	10,483	16.8	51.7	61.0	8.8	7.7	17.0	
<i>Average</i>								65.0	30.9	2.6	2.3	9.2	
Coal													
ITMG	HOLD	0.3	25,850	0.8	26,000	27,435	0.6	5.7	7.0	1.2	1.2	20.7	
ADRO	SELL	1.5	3,760	58.0	2,900	3,644	-22.9	4.7	5.6	1.2	1.0	25.1	
PTBA	HOLD	0.3	2,800	14.8	2,900	2,632	3.6	5.3	5.5	1.4	1.2	27.5	
HRUM	BUY	0.1	1,350	1.1	1,600	1,716	18.5	7.7	8.2	1.1	0.9	14.1	
BUMI	BUY	0.4	105	23.5	150	N/A	42.9	38.7	16.3	0.9	0.8	5.1	
<i>Average</i>								12.4	8.5	1.2	1.0	17.9	
Plantation													
AALI	HOLD	0.1	6,400	(8.9)	8,500	6,866	32.8	9.8	10.7	0.5	0.5	5.6	
SIMP	BUY	0.0	390	3.7	388	400	-0.5	22.9	N/A	0.4	N/A	1.8	
SSMS	BUY	0.1	1,075	2.9	1,555	N/A	44.7	6.0	5.8	1.2	1.1	20.4	
TAPG	BUY	0.1	805	47.7	800	805	-0.6	6.5	6.3	1.3	1.1	14.8	
STAA	BUY	0.1	835	(8.2)	1,400	N/A	67.7	5.8	5.8	1.7	1.7	28.7	
NSSS	BUY	0.0	189	6.8	265	195	40.2	21.4	17.8	6.5	6.1	30.5	
<i>Average</i>								10.3	9.3	1.6	2.1	15.3	
Technology													
ASSA	BUY	0.0	720	(8.9)	1,200	1,116	66.7	9.5	9.2	0.9	0.8	9.7	
BUKA	HOLD	0.2	117	(45.8)	125	201	6.8	n/a	35.5	0.5	0.5	-0.7	
GOTO	SELL	1.9	65	(24.4)	53	82	-18.5	n/a	31.0	0.7	0.7	-3.3	
<i>Average</i>								9.5	25.2	0.7	0.7	1.9	
Transportation													
BIRD	BUY	0.1	1,865	4.2	2,300	2,178	23.3	8.5	8.0	0.8	0.7	9.4	
<i>Average</i>								8.5	8.0	0.8	0.7	9.4	

Source: SSI Research, Bloomberg

Regional Indices	Last Price	Chg (Pts)		Change (%)					1 Year	
		1D	1D	1W	1M	3M	YTD	1YR	High	Low
World	3,641	(0.23)	(0.01)	1.73	1.57	3.34	14.87	23.15	3,662	2,725
U.S. (S&P)	5,635	1.49	0.03	2.53	1.45	2.69	18.13	26.52	5,671	4,104
U.S. (DOW)	41,606	(15.90)	(0.04)	2.13	2.33	7.14	10.39	20.16	41,835	32,327
Europe	4,861	33.15	0.69	2.39	0.42	(1.11)	7.51	14.48	5,122	3,993
Emerging Market	1,091	4.50	0.41	3.01	(0.29)	0.80	6.52	11.71	1,127	908
FTSE 100	8,310	31.42	0.38	1.27	(0.02)	1.45	7.46	8.58	8,474	7,280
CAC 40	7,487	37.98	0.51	1.08	0.51	(1.85)	(0.74)	2.90	8,259	6,774
Dax	18,726	92.97	0.50	2.52	2.20	3.28	11.79	19.07	18,991	14,630
Indonesia	7,832	19.65	0.25	1.68	5.38	16.29	7.69	12.91	7,854	6,640
Japan	36,482	278.62	0.77	0.89	(4.15)	(5.20)	9.02	8.79	42,427	30,488
Australia	8,151	10.10	0.12	2.04	2.26	4.79	7.38	12.73	8,151	6,751
Korea	2,575	3.32	0.13	1.22	(4.52)	(6.63)	(3.01)	(0.99)	2,896	2,274
Singapore	3,593	22.99	0.64	2.30	7.17	8.83	10.90	10.11	3,598	3,042
Malaysia	1,664	12.13	0.73	0.77	2.49	3.62	14.41	14.15	1,685	1,412
Hong Kong	17,660	237.90	1.37	2.47	1.32	(1.43)	3.59	(1.51)	19,706	14,794
China	2,704	(13.03)	(0.48)	(2.23)	(6.09)	(10.83)	(9.10)	(13.27)	3,174	2,635
Taiwan	21,850	90.43	0.42	3.34	(2.23)	(2.87)	21.86	29.13	24,417	15,976
Thailand	1,437	1.07	0.07	0.60	10.25	10.73	1.47	(5.96)	1,539	1,273
Philippines	7,175	71.16	1.00	2.73	4.79	12.66	11.25	17.16	7,181	5,920
		1D	1D	1W	1M	3M	YTD	1YR	High	Low
Foreign Reserves (US\$Bn)	150.24				3.32	8.11	2.64	9.59	150.24	133.14
Inflation Rate (yoy, %)	2.12								3.05	2.12
Gov Bond Yld (10yr, %)	6.57							(2.37)	7.26	6.48
US Fed Rate (%)	5.50								5.50	5.50
Exchange Rate (per USD)	Last Price	Chg (Pts)		Change (%)					1 Year	
		1D	1D	1W	1M	3M	YTD	1YR	High	Low
Indonesia	15,335	(65.00)	0.42	0.75	1.42	6.94	0.40	0.23	16,478	15,310
Japan	141.82	(0.59)	0.42	0.38	3.36	11.31	(0.55)	4.08	161.95	139.58
UK	1.32	0.00	0.05	0.96	1.36	3.61	3.43	6.34	1.33	1.20
Euro	1.11	0.00	0.08	1.01	0.34	3.57	0.76	4.03	1.12	1.04
China	7.10	(0.02)	0.28	0.01	0.81	2.19	0.04	2.46	7.32	7.08
Commodity Indicators	Last Price	Chg (Pts)		Change (%)					1 Year	
		1D	1D	1W	1M	3M	YTD	1YR	High	Low
Oil (Brent)	73.70	0.00	0.00	4.38	(7.51)	(13.63)	(4.34)	(21.95)	97.69	68.68
CPO	3,866	19.00	0.49	(2.00)	(0.15)	(1.80)	5.57	5.11	4,527	3,490
Coal	136.35	3.45	2.60	0.55	(8.27)	0.63	(0.44)	(17.94)	168.00	116.00
Tin	31,855	(74.00)	(0.23)	4.27	(0.15)	(0.91)	25.34	23.93	36,050	22,900
Nickel	16,188	(96.00)	(0.59)	2.84	(1.13)	(7.32)	(2.50)	(18.75)	21,750	15,600
Copper	9,370	(20.00)	(0.21)	3.81	2.79	(3.06)	9.48	11.47	11,105	7,856
Gold	2,572	2.39	0.09	2.39	2.70	10.41	24.67	32.99	2,590	1,811
Silver	30.66	(0.04)	(0.12)	6.93	4.12	3.82	28.86	31.92	33	21

Source: Bloomberg, SSI Research

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