

Equity Research TMT/China

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Company Update

BUY

UNCHANGED

Close price: HK\$11.10 Target Price: HK\$13.80 (+24%)

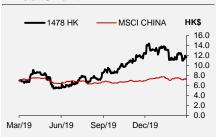
Prior TP HK\$15.40

Key Data

HKEx code		1478 HK
12 Months High	(HK\$)	14.78
12 Month Low	(HK\$)	4.03
3M AvgDail Vol.	(mn)	8.37
Issue Share	(mn)	1,157.48
Market Cap	(HK\$mn)	14,445.30
Fiscal Year		12/2019
Major shareholder	(s)	He Ningning

Source: Company data, Bloomberg, OP Research Closing price are as of 09/03/2020

Price Chart



	1mth	3mth	6mth
Absolute %	-0.5	-9.6	26.6
Rel. MSCI CHINA %	0.8	-14.0	19.7



Company Profile

Q Technology is a leading PRC-based manufacturer focusing on mid-to-high end camera module and fingerprint module market for Chinese branded smart phone and tablet PC manufacturers.

Q Tech (1478 HK)

FY19 results beat on better CCM product mix

- Q Tech reported FY19 results with revenue/net profits up 62%/3667% yoy to RMB13.2bn/RMB542mn, beat our/market expectations on better than expected ASP and GPM in CCM segment.
- We cut our FY20/21E earnings estimate by 10.2%/8.4% to RMB667mn /RMB968mn respectively.
- Maintain BUY with TP HK\$13.80 revised down from HK\$15.40 based on same 15x FY21E P/E.

FY19 results beat on faster than expected CCM product mix upgrade. Q Tech registered 62% yoy growth in FY19 total revenue to RMB13.2bn, mainly driven by (1) 53.9% yoy growth in CCM shipments thanks to market share expansion, (2) 6.9% yoy growth in CCM ASP due to product mix upgrade, and (3) 58.2% yoy growth in FPM ASP owing to higher contribution from under-panel products. Overall GPM improved by 4.7ppts to 9.0%, beat OP/market consensus by 0.5-0.6ppts. The margin expansion is attributed to (1) lower marginal cost thanks to higher utilization rate of CCM capacity, (2) over 2ppts improvement from labor saving as the result of automation upgrade; and (3) product mix optimization. Opex ratios were kept largely stable (~0.1% selling exp. ratio and ~1% admin exp. ratio). As a result, the company has achieved RMB542mn in FY19 net earnings, beyond its pre-announced range of RMB500-520mn. The board proposed a final dividend of HK\$10 cents (FY18: nil), representing a payout ratio of 19%.

The company guided at least 20% yoy increase in FY20E CCM shipments, of which contribution from 10M+/32M+ products should be no less than 60%/25%. The company expect COVID-19 impacts on operation to be gone by the end of March.

We cut our FY20/21E earnings estimate by 10.2%/8.4% to RMB667mn /RMB968mn respectively. We revise up our FY20/21E revenue estimates by 5.9%/10.1% to RMB17.1bn/RMB21.6bn respectively as we expect higher CCM ASP driven by product mix upgrade to mitigate the soften shipment outlook in FY20E. We tuned down our FY20/21E GPM by 0.6ppts/0.9ppts to 8.2%/8.5% on lower visibility and stability on upstream supply. As a result, our FY20/21E diluted EPS has been revised down to HK\$0.636/HK\$0.922 respectively.

Maintain BUY. Maintain our BUY rating on Q Tech with TP HK\$13.80 revised down from HK\$15.40 based on same 15x FY21E PE.

Risks: 1) RMB depreciating more than expected; 2) pre-longed impact from COVID-19 on SEA market and overseas supply chain, 3) faster than expected ASP erosion; 4) slower ramp-up of the yield rate for ultra-high-end product.

Exhibit 1: Forecast and Value	uation				
Year to Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue	8,135	13,170	17,112	21,578	24,145
Growth (%)	2	62	30	26	12
Net Profit	14	542	667	968	1,082
Growth (%)	(97)	3,667	23	45	12
Diluted EPS (HK\$)	0.015	0.533	0.636	0.922	1.031
EPS growth (%)	(97)	3,411	19	45	12
Change to previous EPS (%)			(10.2)	(8.4)	
Consensus EPS (HK\$)			0.668	0.854	
ROE (%)	0.7	21.8	21.2	25.2	22.9
P/E (x)	731.4	20.8	17.5	12.0	10.8
P/B (x)	5.0	4.0	3.3	2.7	2.2
Yield (%)	0.0	0.9	1.1	1.6	1.7
DPS (HK\$)	0.000	0.100	0.119	0.173	0.193

Source: Bloomberg, OP Research

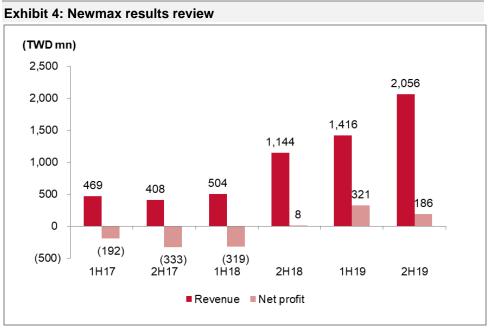
Exhibit 2: Earnings revision													
(RMB mn)		FY20E			FY21E								
	New	Old	% Chg	New	Old	% Chg	OP Comments						
Shipments (mn pcs)													
CCM shipments	508	532	(4.6)	584	585	(0.2)							
Fingerprint shipment	102	106	(4.2)	102	106	(4.2)	To reflect our more conservative view on the global						
							demand.						
ASP (RMB per pcs)													
HCM ASP	28	25	14.1	32	28	13.4	Driven by higher contribution 32M+ high-end products						
Fingerprint ASP	28	29	(3.2)	27	28	(3.3)							
Revenue by segment (RMB mn)													
Compact camera module	14,224	13,060	8.9	18,800	16,620	13.1							
Fingerprint module	2,838	3,062	(7.3)	2,727	2,945	(7.4)							
Revenue	17,112	16,152	5.9	21,578	19,595	10.1							
Gross profit	1,401	1,418	(1.2)	1,832	1,831	0.1							
Gross margin	8.2%	8.8%	(0.6)	8.5%	9.3%	(0.9)							
Opex	(655)	(675)	(2.9)	(765)	(761)	0.5							
EBIT	759	783	(3.1)	1,084	1,122	(3.4)							
Net Profit	667	744	(10.3)	968	1,058	(8.5)							
Diluted EPS (HK\$)	0.636	0.708	(10.2)	0.922	1.007	(8.4)							

Source: OP Research

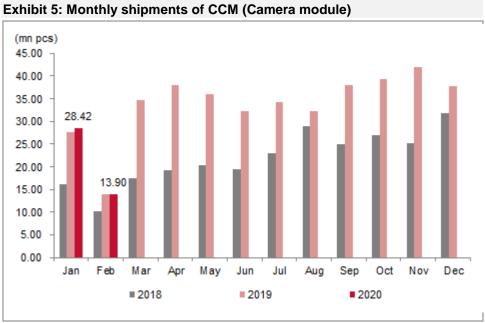


Exhibit 3: FY19 results review RMB mn 1H18 2H18 1H19 2H19A 2H19E Act. Vs Est. OP Comments FY18A FY19.														
RMB mn	1H18	2H18	1H19	2H19A	2H19E	Act. Vs Est.	OP Comments	FY18A	FY19					
Revenue	3,207	4,928	5,061	8,109	7,249	11.9%	Revenue from CCM beat expectations on better than expected ASP	8,135	13,170					
COGS	(3,168)	(4,614)	(4,646)	(7,344)	(6,650)	10.4%		(7,782)	(11,990					
Gross profit	39	314	415	765	600	27.5%		353	1,180					
Other income & gains	94	(11)	(29)	8	51	-83.3%		83	(21					
Selling exp	(9)	(9)	(6)	(9)	(20)	-56.5%		(19)	(15					
Admin exp	(39)	(42)	(42)	(86)	(71)	21.9%		(81)	(128					
R&D	(99)	(167)	(139)	(257)	(225)	14.0%		(266)	(396					
Listing exp	0	0	0	0	0	n.a.		0	(
Other opex	0	0	0	0	0	n.a.		0	(
Operating profit	(14)	84	199	421	334	26.0%		70	620					
(EBIT) Provision for other items	0	0	0	0	0	n.a.		0	(
Finance costs	(21)	(23)	(23)	(29)	(23)	29.6%		(44)	(53					
Profit after financing costs	(36)	62	175	392	312	25.7%		26	567					
Associated cos	(25)	0	25	15	68	-77.8%	Slower than expected growth in the HLS business of Newmax due to capacity constraint	(25)	40					
Jointly controlled cos	0	0	0	0	0	n.a.		0	(
Pre-tax profit	(61)	62	200	407	379	7.2%		1	607					
Tax	9	4	(19)	(45)	(47)	-2.5%		13	(65					
Minority interests	0	0	0	0	0	n.a.		0	(
Net profit	(51)	66	180.833	362	333	8.6%	Beat market/OP expectations	14	542					
YoY%														
Revenue	-11%	14%	58%	65%	47%			2%	62%					
Gross profit	-91%	-30%	963%	143%	91%			-60%	234%					
Net profit	-125%	-72%	-453%	450%	407%			-97%	3667%					
Key ratios						(in ppts)								
GPM	1.2%	6.4%	8.2%	9.4%	8.3%	1.15	Thanks to significant upgrade on CCM product mix	4.3%	9.0%					
Selling exp	0.3%	0.2%	0.1%	0.1%	0.3%	(0.17)		0.2%	0.1%					
Admin exp	1.2%	0.9%	0.8%	1.1%	1.0%	0.09		1.0%	1.09					
R&D	3.1%	3.4%	2.8%	3.2%	3.1%	0.06		3.3%	3.09					
EIT	26.2%	-6.0%	11.0%	11.6%	14.9%	(3.35)		-50.5%	11.49					
Net margin	-1.6%	1.3%	3.6%	4.5%	4.6%	(0.13)		0.2%	4.19					

Source: Company, OP Research



Source: Newmax, OP Research



Source: Company, OP Research

Exhibit 6: Monthly shipments of FPM (Fingerprint module) (mn units) 16.00 14.00 12.00 10.00 8.00 5.93 6.00 4.00 2.00 0.00 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov **2018 2019 2020**

Source: Company, OP Research



Financial Summary

Year to Dec	FY18A	FY19A	FY20E	FY21E	FY22E
Income Statement (RMB m	nn)				
Compact camera module	6,273	10,360	14,224	18,800	21,508
Fingerprint module	1,832	2,759	2,838	2,727	2,586
Others	30	51	51	51	51
Turnover	8,135	13,170	17,112	21,578	24,145
YoY%	2	62	30	26	12
COGS	(7,782)	(11,990)	(15,711)	(19,746)	(22,146)
Gross profit	353	1,180	1,401	1,832	1,999
Gross margin	4.3%	9.0%	8.2%	8.5%	8.3%
Other income	83	(21)	13	16	36
Selling & distribution	(19)	(15)	(28)	(32)	(34)
Admin	(81)	(128)	(155)	(177)	(194)
R&D	(266)	(396)	(473)	(556)	(609)
Other opex	Ò	Ò	Ò	Ò	Ò
Total opex	(366)	(539)	(655)	(765)	(837)
Operating profit (EBIT)	70	620	759	1,084	1,198
Operating margin	0.9%	4.7%	4.4%	5.0%	5.0%
Provisions	0	0	0	0	0
Finance costs	(44)	(53)	(57)	(57)	(57)
Profit after financing costs	26	567	702	1,027	1,141
Associated companies & JVs	(25)	40	50	64	77
Pre-tax profit	1	607	751	1,091	1,218
Tax	13	(65)	(84)	(123)	(137)
Minority interests	0	0	0	0	0
Net profit	14	542	667	968	1,082
YoY%	(97)	3,667	23	45	12
Net margin	0.2%	4.1%	3.9%	4.5%	4.5%
EBITDA	248	890	1,093	1,480	1,642
EBITDA margin	3.0%	6.8%	6.4%	6.9%	6.8%
EPS (RMB)	0.013	0.472	0.562	0.816	0.912
YoY%	(97)	3,628	19	45	12
DPS (HK\$)	0.000	0.100	0.119	0.173	0.193
Year to Dec	FY18A	FY19A	FY20E	FY21E	FY22E
Cash Flow (RMB mn)					
EBITDA	248	890	1,093	1,480	1,642
Chg in working cap	(444)	288	(148)	(228)	(104)
Others	36	0	0	0	0
Operating cash	(160)	1,178	945	1,252	1,539
Interests paid	0	0	0	0	0
Tax	(13)	(2)	(49)	(84)	(123)
Net cash from operations	(173)	1,176	896	1,168	1,415
Capex	(522)	(790)	(684)	(647)	(724)
Investments	873	0	0	0	0
Dividends received	0.0	0	0	0	0
Sales of assets	0	0	0	0	0
Interests received	26	14	22	26	46
Others	9	0	0	0	0
Investing cash	387	(776)	(662)	(622)	(679)
FCF	214	400	234	546	737
Issue of shares	55	176	0	0	0
Buy-back	0	0	0	0	0
Minority interests	0	0	0	0	0
Dividends paid	0	0	(116)	(122)	(177)
Net change in bank loans	(346)	205	0	0	0
Interest paid	(136)	(53)	(57)	(57)	(57)
Others	(156)	69	0	0	0
Financing cash	(584)	397	(173)	(179)	(234)
Net change in cash	(370)	797	61	367	502
Exchange rate or other Adj	5	(486)	0	0	0
Opening cash	465	100	412	473	840
Closing cash	100	412	473	840	1,342
CFPS (HK\$)	(0.182)	1.155	0.854	1.113	1.349

Year to Dec	FY18A	FY19A	FY20E	FY21E	FY22E
Ratios					
Gross margin (%)	4.3	9.0	8.2	8.5	8.3
Operating margin (%) Net margin (%)	0.9 0.2	4.7 4.1	4.4 3.9	5.0 4.5	5.0 4.5
Selling & dist'n exp/Sales (%)	0.2	0.1	0.2	0.1	0.1
Admin exp/Sales (%)	1.0	1.0	0.9	0.8	0.8
Payout ratio (%)	0.0	18.8	18.8	18.8	18.8
Effective tax (%)	(50.5)	11.4	12.0	12.0	12.0
Total debt/equity (%)	56.0	48.2	40.5	32.4	26.8
Net debt/equity (%) Current ratio (x)	51.3 0.99	33.9 0.98	26.6 1.00	12.7 1.05	0.8 1.09
Quick ratio (x)	0.83	0.90	0.74	0.78	0.81
Inventory T/O (days)	33	58	58	58	58
AR T/O (days)	136	136	136	136	136
AP T/O (days)	144	181	181	181	181
Cash conversion cycle (days)	25	14	14	14	14
Asset turnover (x)	1.30	1.54	1.44	1.48	1.40
Financial leverage (x) EBIT margin (%)	2.95 0.9	3.44 4.7	3.78 4.4	3.81 5.0	3.64 5.0
Interest burden (x)	0.02	0.98	0.99	1.01	1.02
Tax burden (x)	10.83	0.89	0.89	0.89	0.89
Return on equity (%)	0.7	21.8	21.2	25.2	22.9
ROIC (%)	3.5	15.6	16.4	20.9	21.1
Year to Dec	FY18A	FY19A	FY20E	FY21E	FY22E
Balance Sheet (RMB mn)					
Fixed assets	1,889	2,704	3,040	3,273	3,515
Intangible assets & goodwill Associated companies & JVs	1 229	5 433	5 483	5 547	4 624
Long-term investments	0	433	403	0	024
Other non-current assets	92	130	122	115	107
Non-current assets	2,211	3,272	3,649	3,939	4,251
Inventories	704	1,913	2,507	3,151	3,534
AR	3,031	4,919	6,392	8,060	9,019
Prepayments & deposits	0,001	0	0,002	0,000	0,010
Other current assets	394	119	119	119	119
Cash	100	412	473	840	1,342
Current assets	4,229	7,363	9,491	12,170	14,014
AP	3,061	5,935	7,777	9,774	10,962
Tax	2,001	49	84	123	137
Accruals & other payables	28	257	334	421	471
Bank loans & leases	1,178	1,293	1,293	1,293	1,293
CB & othe debts	0	0	0	0	0
Other current liabilities	0	9	9	9	9
Current liabilities	4,270	7,543	9,497	11,620	12,872
Bank loans & leases	0	90	90	90	90
CB & othe debts	0	0	0	0	0
Deferred tax & others MI	66 0	135 0	135 0	135 0	135 0
Non-current liabilities	66	225	225	225	225
Total net assets	2,103	2,867	3,418	4,264	5,168
Shareholder's equity	2,103	2,867	3,418	4,264	5,168
Share capital	2,103	2,807	9	4,204	3,100
Reserves	2,094		3,409		5,159
BVDC (HK¢)	2.22		2 24		
BVPS (HK\$)	2.23	2.80	3.34	4.16	5.05
Total debts Net cash/(debts)	1,178		1,383		
INCL CASII/(UEDIS)	(1,070)	(971)	(910)	(543)	(41)

Source: Company, OP Research

Exhibit 7: Peer Group Comparison

				3-mth												EV/	EV/	Net	Gross		ROE	ROE		
			Mkt cap	avg t/oP	ER Hist Pl	ER FY1 PE	R FY2 E	PS FY1 E	PS FY23	-Yr EPS		Div yld	Div yld F	P/B Hist F	P/B FY1	Ebitda	Ebitda	gearing	margin l	Net margin	Hist	FY1	Shpx	Shpx
Company	Ticker	Price	(US\$m)	(US\$m)	(x)	(x)	(x)	YoY%	YoY%(Cagr (%)	PEG (x)	Hist (%)	FY1 (%)	(x)	(x)	Hist	Cur Yr	Hist (%)	Hist (%)	Hist (%)	(%)	(%) 1	1-mth % 3	3-mth %
Q Technology Gro	1478 HK	11.10	1,654	15.7	20.8	18.3	12.7	13.7	43.9	22.7	0.81	0.9	1.0	4.0	3.4	15.5	13.0	33.9	9.0	4.1	21.8	20.3	(0.5)	(10.8)
HSI		25,040.46			10.5	9.8	8.9	7.6	9.1	7.5	1.29	4.0	4.2	1.10	1.01						10.5	10.4	(8.6)	(5.5)
HSCEI		9,984.44			8.0	7.6	7.0	5.5	9.5	3.2	2.41	3.8	4.3	1.06	0.94						13.1	12.4	(6.7)	(4.1)
CSI300		3,997.13			14.2	11.7	10.4	21.8	12.6			2.1	2.6	1.82	1.58						12.8	13.5	2.5	2.6
Adjusted sector avg*					24.7	20.8	18.2	40.9	30.1	(45.2)	0.6	3.9	4.5	4.3	4.6	10.0	12.7	26.5	14.2	3.5	9.5	16.1	(4.9)	(0.8)
Sunny Optical	2382 HK	122.50	17,296	145.0	48.1	34.1	25.1	41.0	35.6	34.5	0.99	0.5	8.0	12.03	10.02	29.7	23.3	0.0	18.9	9.6	30.5	32.5	(3.1)	(12.7)
Truly Intl Hldgs	732 HK	1.01	428	1.5	42.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.42	N/A	4.2	N/A	82.7	9.5	0.4	2.7	N/A	(7.3)	(1.0)
Cowell	1415 HK	1.60	171	1.9	12.1	8.6	5.6	41.2	54.2	42.3	0.20	7.0	8.3	0.55	0.50	0.9	0.6	0.0	9.8	2.6	5.4	8.6	(22.7)	26.0
Ofilm Group Co-A	002456 CH	16.89	6,595	487.7	N/A	86.6	30.5	N/A	184.1	(256.7)	N/A	N/A	0.1	5.19	5.00	26.0	14.6	175.2	12.3	(1.2)	(17.9)	5.5	6.2	20.6
Huizhou Speed -A	300322 CH	20.40	1,194	88.1	88.7	41.0	29.8	116.1	37.8	N/A	N/A	0.1	N/A	12.64	9.25	72.0	28.1	64.1	21.7	5.3	15.1	24.2	12.7	1.2
Crucialtec Co Lt	114120 KS	371.00	20	0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.31	N/A	(2.9)	N/A	38.6	(8.8)	(64.1)	(31.1)	N/A	(58.9)	(60.2)
Lite-On Tech	2301 TT	44.00	3,420	7.9	10.9	12.2	10.7	(10.7)	14.1	(0.9)	N/A	6.6	6.8	1.41	1.32	4.9	5.0	0.0	15.4	5.3	13.0	11.0	(6.8)	(11.2)
Primax Elec	4915 TT	45.30	675	5.3	9.4	8.1	7.4	16.8	8.8	N/A	N/A	5.3	6.8	1.70	1.33	7.0	4.8	0.0	12.0	2.6	17.5	14.6	(13.5)	(28.5)

^{*} Outliners and "N/A" entries are in red and excl. from the calculation of averages

Source: Bloomberg, OP Research



Our recent reports

Date	Company / Sector	Ticker	Title	Rating	Analyst
09/03/2020	Edvantage Group	382	1H20/21E positive profit alert - BUY	BUY	Dallas Cai/Megan Jin
24/02/2020	361 Degrees Intl	1361	COVID-19 impact to be inevitable on 1H20E	BUY	Megan Jin
20/02/2020	Ausnutria Dairy	1717	FY19E cow IMF growth beat expectations	BUY	Dallas Cai/Megan Jin
18/02/2020	Anta Sports	2020	Concrete yet manageable impacts from COVID-19	BUY	Dallas Cai/Megan Jin
13/02/2020	CH Display OPT	334	Better than feared coronavirus impacts, for now	HOLD	Dallas Cai
10/02/2020	TCL Electronics	1070	FY19E earnings beat expectations	BUY	Dallas Cai
05/02/2020	Xtep Intl	1368	4Q19 in line with expectations	BUY	Dallas Cai/Megan Jin
17/01/2020	Edvantage Group	382	FY20/21E saw a good start	BUY	Yuji Fung/Dallas Cai
17/01/2020	361 Degrees Intl	1361	4Q19 retail sales on track	BUY	Megan Jin
15/01/2020	Anta Sports	2020	Issuance of CB to optimize financial structure	BUY	Dallas Cai/Megan Jin
10/01/2020	Sunny Optical	2382	2019 shipment targets met - as expected	BUY	Yuji Fung/Dallas Cai
08/01/2020	Q Tech	1478	2019 full year shipments meet OP targets	BUY	Yuji Fung/Dallas Cai
31/12/2019	GT Service	2869	Introducing Longfor as 3rd largest shareholder	BUY	Dallas Cai/Yuji Fung
20/12/2019	Q Tech	1478	Top-up placement for CCM capacity expansion	BUY	Yuji Fung/Dallas Cai
17/12/2019	Aidigong	286	Transforming into a leading postpartum care player in China	NR	Yuji Fung
13/12/2019	Anta Sports	2020	Revealing higher visibility of post-M&A roadmap	BUY	Dallas Cai/Megan Jin
10/12/2019	Sunny Optical	2382	November saw strong HCM shipment growth	BUY	Yuji Fung/Dallas Cai
10/12/2019	Q Tech	1478	November shipments maintain full steam	BUY	Yuji Fung/Dallas Cai
03/12/2019	Xtep Intl	1368	Update on winter sales and new brand	BUY	Dallas Cai/Megan Jin
28/11/2019	Edvantage Group	382	Advantageous Educator in Greater Bay Area	BUY	Yuji Fung/Dallas Cai
14/11/2019	Ausnutria Dairy	1717	3Q results up to expectations	BUY	Dallas Cai/Megan Jin
14/11/2019	Anta Sports	2020	Dispose 5% of Amer for introduction of experienced investors	BUY	Dallas Cai/Megan Jin
11/11/2019	Sunny Optical	2382	October shipments in line with expectations	BUY	Yuji Fung/Dallas Cai
11/11/2019	Q Tech	1478	Another month of robust growth in October	BUY	Yuji Fung/Dallas Cai
30/10/2019	CH Display OPT	334	More shifting to processing mode in 3Q19	HOLD	Yuji Fung/Dallas Cai
22/10/2019	Li-Ning	2331	3Q19 saw solid retail performance	BUY	Dallas Cai/Megan Jin
21/10/2019	Q Tech	1478	Upgrade on diversified global footprint	BUY	Yuji Fung/Dallas Cai

Historical recommendations and target price: Q Tech (1478 HK)





	Date	Rating	TP (HK\$)	CLOSE (HK\$)		Date	Rating	TP (HK\$)	CLOSE (HK\$)
1	21 Jun 2019	SELL	5.00	6.07	6	21 Oct 2019	BUY	15.40	10.28
2	01 Jul 2019	BUY	7.40	5.95	7	11 Nov 2019	BUY	15.40	10.88
3	13 Aug 2019	BUY	9.20	7.35	8	10 Dec 2019	BUY	15.40	12.44
4	10 Sep 2019	BUY	9.20	8.67	9	20 Dec 2019	BUY	15.40	13.40
5	11 Oct 2019	BUY	10.00	9.15	10	08 Jan 2019	BUY	15.40	12.48



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