China / Hong Kong Industry Focus China Telecom Sector

Refer to important disclosures at the end of this report

DBS Group Research . Equity

22 Feb 2022

HSI: 24,170

5G sub net adds off to solid start in 2022

- Solid mobile and 5G sub net adds in Jan 2022; steady increase in 5G penetration
- Stable mobile sub market share; China Telecom (CT) gained 5G sub market share
- Maintain BUY calls with pecking order: <u>China</u> <u>Unicom (CU, 762 HK)>China Telecom (CT, 728</u> <u>HK)>China Mobile (CM, 941 HK)</u>, on stable outlook and undemanding valuation

China Mobile's (CM, 941 HK) mobile subscriber (sub) net adds were 4.5m in Jan 22, compared to 0.1m in Dec 21. Total mobile subs reached 961.4m. 5G package sub net adds rose 16.5% m-o-m to 14.5m in Jan 22, lower than the 18.5m monthly run rate for FY21. 5G package subs reached 401.3m. 5G penetration rose 1.3ppts m-o-m to 41.7%.

China Telecom's (CT, 728 HK) mobile sub net adds surged

527% m-o-m to 3.1m in Jan 22, and total mobile subs reached 375.5m. 5G package sub net adds decreased 8.6% m-o-m to 8.3m in Jan 22, similar to the 8.4m monthly run rate for FY21. 5G package subs reached 196.1m. 5G penetration rose 1.8ppts m-o-m to 52.2%.

China Unicom's (CU, 762 HK) mobile sub net adds were

1.1m in Jan 22, vs. -0.2m in Dec 21. Total mobile subs reached 318.2m. 5G package sub net adds increased 3.4% m-o-m to 5.6m in Jan 22, vs. the 7.0m monthly run rate for FY21. 5G package subs reached 160.5m. 5G penetration rose 1.5ppts m-o-m to 50.4%.

CT ahead in 5G sub net adds. CT's 5G sub net adds of 8.3m exceeded our estimation of the 7.4m monthly run rate for FY22. The 5G sub net adds for CM and CU are lower than our monthly run rate forecast of 16.9m and 6.7m, respectively, while we believe it will bounce back in subsequent months. We maintain our forecast of the overall 5G penetration rate at 66% for FY22.

CT gained market share in 5G sub market. Total mobile subs increased 0.5% m-o-m to 1,655m in Jan 2022. Mobile sub market share was similar to the previous month. CT continued its market share gain in the 5G sub market, with a 0.2ppt increase in market share.

Maintain BUY call on CU, CT, and CM, on stable outlook and undemanding valuation. Our pecking order is CU>CT>CM.



ANALYST

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Recommendation & valuation

Company	Price Local\$	Target Price Local\$	Rec	Mkt Cap US\$m
<u>China Telecom</u> (728 HK)	3.13	4.20	BUY	36,720
<u>China Unicom</u> (762 HK)	4.38	7.90	BUY	17,182
<u>China Mobile</u> (941 HK)	55.90	68.60	BUY	153,209

Source: Thomson Reuters, DBS Bank (Hong Kong) Limited ("DBS HK")



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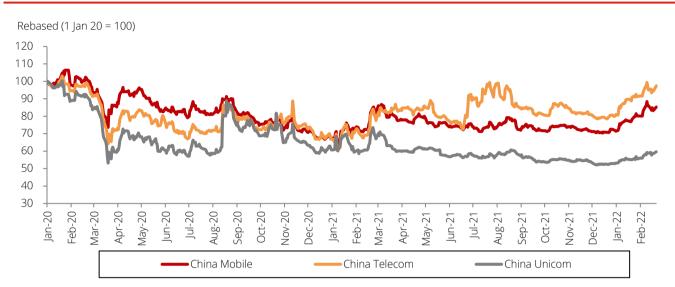
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China Telecom Sector



Share price performance

Share price performance – Telecom operators



Share price performance table

Share price performance (%)	1-mth	3-mth	6-mth	12-mth	YTD
China Mobile	9.1	18.1	10.5	4.0	19.4
China Telecom	7.2	19.5	12.2	21.3	20.4
China Unicom	8.4	9.5	(1.1)	(13.8)	12.3
HSI	(3.2)	(3.5)	(2.7)	(21.1)	3.3
	(0.2)	(0.0)	(=)	(=)	0.0

Source: Thomson Reuters

Valuation

			r	arget		Mkt		PE	PE	Yield	Yield	P/Bk	P/BkI	EV/EB	ITDA	ROE	ROE
			Price	Price	Recom	Cap F	iscal	22F	23F	22F	23F	22F	23F	22F	23F	22F	23F
Company Nam	Code C	urrency	Local \$ I	_ocal\$		US\$m	Yr	х	х	%	%	х	х	х	х	%	%
China Telecom o	perators																
China Mobile*	941 HK	HKD	55.9	68.60	BUY	153,209	Dec	7.9	7.6	8.2	9.2	0.7	0.7	1.1	1.0	9.6	9.7
China Telecom*	728 HK	HKD	3.13	4.20	BUY	36,720	Dec	8.8	8.1	7.4	8.6	0.5	0.5	1.5	1.2	6.1	6.4
China Unicom*	762 HK	HKD	4.38	7.90	BUY	17,182	Dec	6.5	5.8	9.3	10.3	0.3	0.3	0.5	0.4	4.9	5.3

FY22: FY23; FY23: FY24

Source: Thomson Reuters, *DBS HK

Closing price as of 21 Feb 2022

How has mobile market share changed?



Total mobile sub net-adds (Jan 22) mn 8 6 4 2 0 (2) (4) (6) (8) Jan-20 Mar-20 May-20 Jul-20 Sep-20 Jan-22 Nov-20 Jan-21 Mar-21 May-21 Jul-21 Sep-21 Nov-21

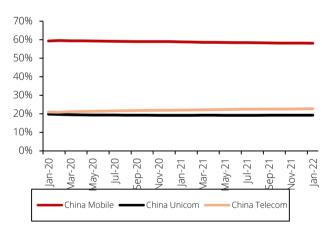
Note: China Unicom started to disclose 5G subscribers from Jan 2021

China Unicom

China Telecom

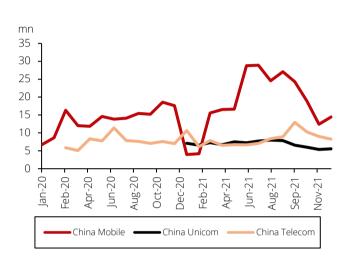
Market share - Total mobile sub number (Jan 22)

China Mobile

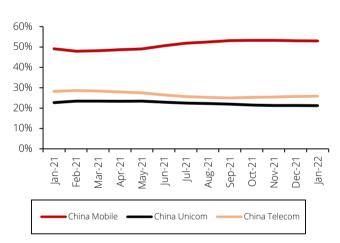


Source: Companies

5G sub net-adds (Jan 22)



Market share – 5G sub (Jan 22)

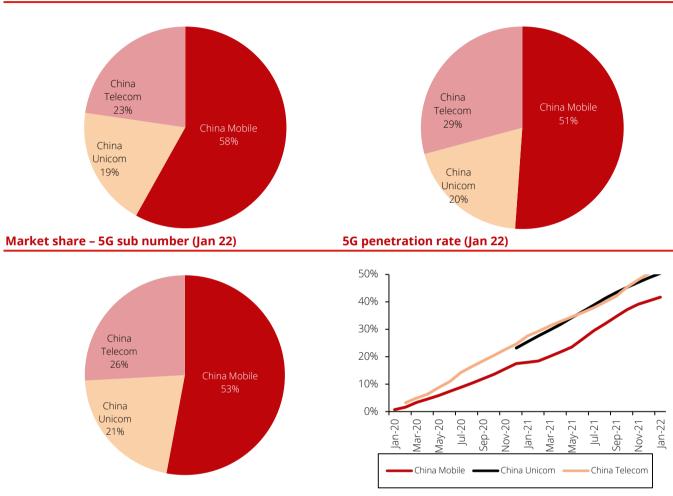




Market share - Cumulative 5G sub net adds (1M22)

China Telecom Sector

Market share - Total mobile sub number (Jan 22)



Source: Companies



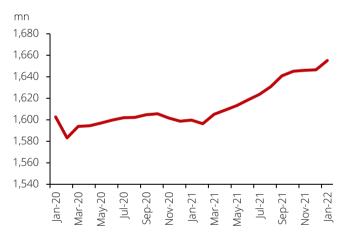


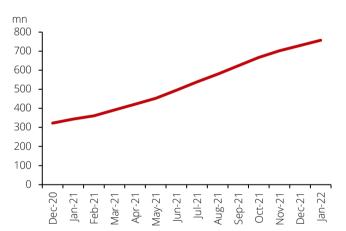
Aggregated 5G sub net adds (Jan 22)



Aggregated mobile sub number (Jan 22)

Aggregated mobile sub net adds (Jan 22)



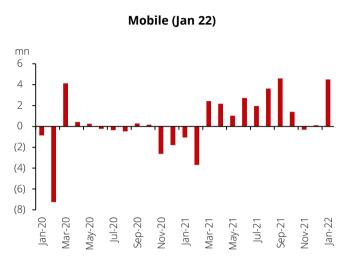


Source: Companies



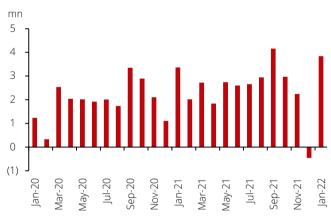
Monthly subscriber growth of individual operators

Monthly subscriber net adds – China Mobile

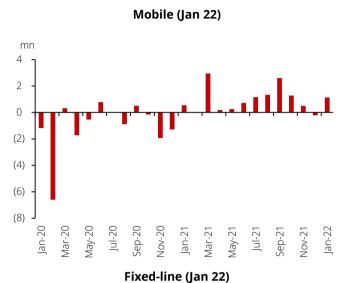


5G (Jan 22) mn 35 30 25 20 15 10 5 0 Jan-20 Mar-20 May-20 Jul-20 Sep-20 Nov-20 Mar-21 Jan-21 May-21 . Jul-21 Sep-21 Nov-21 Jan-22

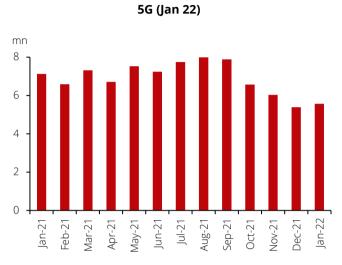
Broadband (Jan 22)

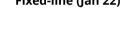


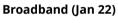


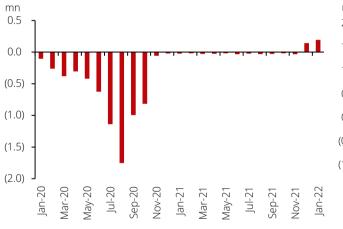


Monthly subscriber net adds- China Unicom





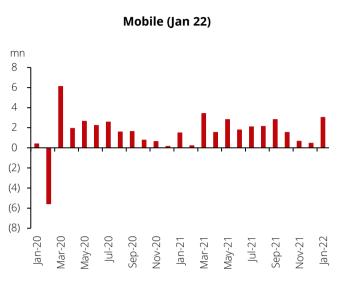






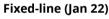


Monthly subscriber net adds – China Telecom

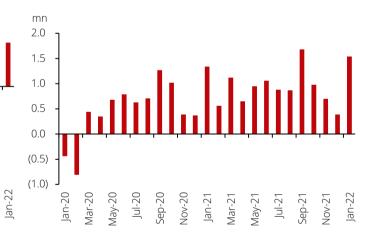


mn 14 12 10 8 6 4 2 0 May-20 Jul-20 Sep-20 Nov-20 Mar-20 Mar-21 May-21 Jul-21 Sep-21 Nov-21 Jan-22 Jan-21

5G (Jan 22)



Broadband (Jan 22)



Source: Company

Jan-20 Mar-20 Jul-20 Sep-20 Nov-20 Jan-21 Mar-21 Mar-21 Jul-21 Sep-21 Nov-21

mn 0.3

0.2

0.1

0.0 (0.1)

(0.2)

(0.3)

(0.4) (0.5)



Monthly subscriber growth - China Mobile

Million	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Mobile sub net-adds	(1.1)	(3.7)	2.4	2.2	1.0	2.7	2.0	3.6	4.6	1.4	(0.3)	0.1	4.5
Total mobile sub base	940.9	937.2	939.6	941.8	942.8	945.5	947.5	951.1	955.7	957.1	956.8	956.9	961.4
5G sub net-adds	4.0	4.2	15.6	16.5	16.7	28.7	28.9	24.5	27.1	24.3	18.9	12.4	14.5
5G sub base	169.0	173.2	188.8	205.3	222.0	250.7	279.6	304.1	331.2	355.5	374.4	386.8	401.3
Broadband net-adds Broadband sub base	3.4 213.7	2.0 215.7	2.7 218.4	1.8 220.3	2.7 223.0	2.6 225.6	2.7 228.3	2.9 231.2	4.2 235.4	3.0 238.3	2.2 240.6	(0.5) 240.1	3.8 243.9

Source: Company

Monthly subscriber growth – China Unicom

Million	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Mobile sub net-adds	0.5	(0.0)	3.0	0.2	0.2	0.7	1.2	1.3	2.6	1.3	0.5	(0.2)	1.1
Total mobile sub base	306.4	306.3	309.3	309.5	309.7	310.5	311.6	313.0	315.6	316.8	317.3	317.1	318.2
5G sub net-adds	7.1	6.6	7.3	6.7	7.5	7.2	7.7	8.0	7.9	6.6	6.0	5.4	5.6
5G sub base	78.0	84.5	91.9	98.6	106.1	113.3	121.1	129.1	136.9	143.5	149.5	154.9	160.5
Broadband net-adds	0.8	0.3	1.0	0.7	0.7	0.6	0.5	0.9	1.5	1.0	0.9	0.2	1.0
Broadband sub base	86.9	87.2	88.1	88.8	89.5	90.1	90.6	91.5	93.0	94.0	94.8	95.0	96.1
Fixed line net-adds	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	0.1	0.2
Fixed line sub base	47.3	47.3	47.3	47.2	47.2	47.2	47.2	47.1	47.1	47.1	47.1	47.2	47.4

Source: Company

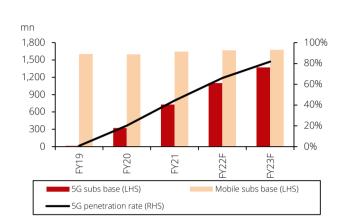
Monthly subscriber growth - China Telecom

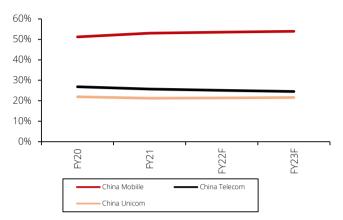
Million	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Mobile sub net-adds	1.5	0.3	3.5	1.6	2.9	1.8	2.1	2.2	2.9	1.6	0.7	0.5	3.1
Total mobile sub base	352.6	352.8	356.3	357.8	360.7	362.5	364.6	366.8	369.7	371.2	371.9	372.4	375.5
5G sub net-adds	10.7	6.2	7.9	6.5	6.7	6.7	7.1	8.4	8.9	13.0	10.3	9.0	8.3
5G sub base	97.2	103.4	111.2	117.8	124.5	131.2	138.2	146.6	155.5	168.5	178.8	187.8	196.1
Broadband net-adds	1.3	0.6	1.1	0.7	1.0	1.1	0.9	0.9	1.7	1.0	0.7	0.4	1.5
Broadband sub base	159.9	160.4	161.6	162.2	163.2	164.2	165.1	166.0	167.6	168.6	169.3	169.7	171.3
Fixed line net-adds	(0.1)	(0.2)	(0.1)	(0.2)	(0.2)	(0.0)	(0.0)	(0.0)	(0.0)	(0.2)	(0.1)	(0.2)	0.2
Fixed line sub base	107.8	107.6	107.5	107.3	107.2	107.1	107.1	107.1	107.1	106.9	106.8	106.6	106.9



Mobile market outlook

Mobile sub base





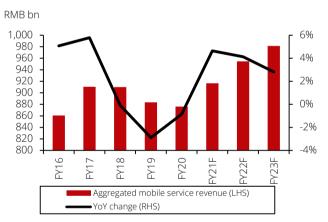
Mobile ARPU of individual operators



Source: Companies, DBS HK

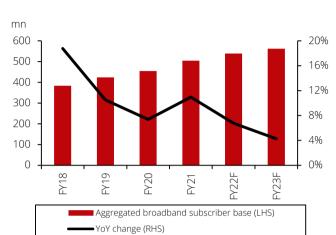
Aggregated mobile service revenue

Market share of 5G sub base

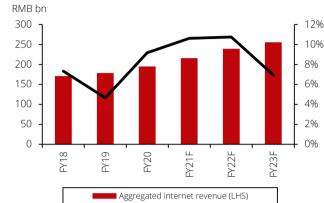




Fixed-line market outlook

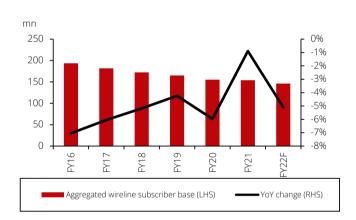


Aggregated broadband subscriber base



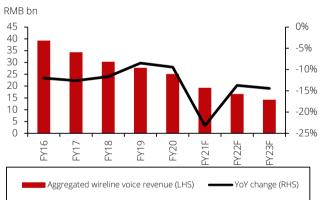
•YoY change (RHS)

Aggregated wireline subscriber base



Aggregated wireline voice revenue

Aggregated broadband revenue

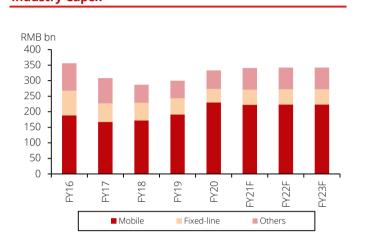


Source: Companies, DBS HK

China Telecom Sector



Industry Capex



Source: Companies, DBS HK





Key performance indicators

Key performance indicators as of 1H21

	China Mobile	China Telecom	China Unicom
Subscriber base (mn)			
Mobile	945.5	362.5	310.5
5G	250.7	131.2	113.3
Fixed-line	na	107.1	47.2
Broadband	225.6	164.2	90.1
ARPU (RMB)			
Mobile	52.2	45.7	44.4
5G	88.9	57.4	na
Fixed-line	na	11.6	10.9
Broadband	36.1	39.4	41.8

Source: Companies

Subscriber number as of Jan 2022

(mn)	China Mobile	China Telecom	China Unicom
Mobile	961.4	375.5	318.2
5G	401.3	196.1	160.5
Fixed-line	na	106.9	47.4
Broadband	243.9	171.3	96.1

China Telecom Sector



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*Share price appreciation + dividends

Completed Date: 22 Feb 2022 09:32:38 (HKT) Dissemination Date: 22 Feb 2022 10:26:10 (HKT)

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China Telecom Sector



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China Telecom Sector



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