



Hong Kong as an Information Society

Presenting key statistical indicators on the developments of Information and Communication Technology (ICT)

2025 Edition

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1. Key Statistics

Summary of Key Statistics

Operating Characteristics of the ICT Sector (Year 2023)	Number of persons engaged	119 629
	Value added (HK\$ billion)	167.8
	Ratio of value added to Gross Domestic Product (GDP) at basic price	5.8 @
External Trade of ICT Goods (Year 2024)	Imports of ICT goods as a percentage of overall value of imports of all goods (%)	61.0
	Total exports of ICT goods as a percentage of overall value of total exports of all goods (%)	66.5
Imports and Exports of ICT Services (Year 2023)	Imports of ICT services as a percentage of overall value of imports of all services (%)	3.2
	Exports of ICT services as a percentage of overall value of exports of all services (%)	4.0
Access to and Use of ICT (Year 2024)	Fixed broadband Internet subscriptions / registered access lines per 100 population	39.6
	Mobile broadband subscriptions per 100 population	369.6
	Fixed telephone lines per 100 population	43.9
	Percentage of households with Internet access at home (%)	96.7

Human Resources and Education in IT (Academic Year 2023/24)	Number of graduates of IT programmes funded by the University Grants Committee	2 735
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@ Figure is subject to revision later on.

2. Operating Characteristics of the ICT Sector

- In 2023, there were some 16 800 establishments in the ICT sector with around 119 600 persons engaged, representing 3.2% of the total number of employed persons in Hong Kong.
- In 2023, the value added of the ICT sector amounted to \$167.8 billion, representing 5.8% of the GDP at basic prices and decreased by 2.4% compared with 2022.

Table 2.1 : Key statistics on the ICT sector

Industry Grouping		Information and communication technology										
Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of establishments	Number	17 058	16 511	17 435	17 281	17 882	17 642	16 662	17 249	17 468	16 857	16 776
	Year-on-year % change	+1.5	-3.2	+5.6	-0.9	+3.5	-1.3	-5.6	+3.5	+1.3	-3.5	-0.5
Number of persons engaged	Number	129 780	129 535	130 657	128 703	129 641	130 885	126 289	125 443	128 067	118 278	119 629
	Year-on-year % change	+0.2	-0.2	+0.9	-1.5	+0.7	+1.0	-3.5	-0.7	+2.1	-7.6	+1.1
	As a percentage of total number of employed persons (%)	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.4	3.5	3.3	3.2
Average number of persons engaged per establishment	Number	7.6	7.8	7.5	7.4	7.2	7.4	7.6	7.3	7.3	7.0	7.1
Business receipts and other income	HK\$ million	1,693,381	1,570,737	1,581,030	1,611,417	1,639,922	1,679,737	1,459,741	1,546,538	1,843,530	1,749,596	1,997,840
	Year-on-year % change	+35.1	-7.2	+0.7	+1.9	+1.8	+2.4	-13.1	+5.9	+19.2	-5.1	+14.2
Value added	HK\$ million	139,319	133,703	132,046	137,647	145,889	156,016	156,878	158,565	176,827	171,922	167,808
	Year-on-year % change	+12.2	-4.0	-1.2	+4.2	+6.0	+6.9	+0.6	+1.1	+11.5	-2.8	-2.4
	Contribution to GDP at basic prices (%) ⁽¹⁾	6.6	6.1	5.7	5.7	5.7	5.8	5.7	6.2	6.4	6.3	5.8 @
Compensation of employees	HK\$ million	47,196	46,796	48,299	49,436	50,237	52,883	53,496	54,035	58,594	57,495	57,825
	Year-on-year % change	+3.1	-0.8	+3.2	+2.4	+1.6	+5.3	+1.2	+1.0	+8.4	-1.9	+0.6
Gross surplus	HK\$ million	99,281	93,596	90,534	100,229	102,833	106,263	106,995	114,259	125,688	153,799	129,309
	Year-on-year % change	+24.1	-5.7	-3.3	+10.7	+2.6	+3.3	+0.7	+6.8	+10.0	+22.4	-15.9

Source:
Science and Technology Statistics Section, Census and Statistics Department

¹ Figures on GDP refer to the statistics released in May 2025.

@ Figure is subject to revision later on.

- In 2023, industries engaged in the distribution of ICT goods and those in the provision of ICT services accounted for 47.9% and 51.9% of the number of establishments in the ICT sector respectively. Their corresponding shares in terms of employment were 36.3% and 62.7%, whereas in terms of value added at 49.0% and 50.7% respectively.

Table 2.2 : Percentage shares by economic activity in selected key statistics for the ICT sector

Year				2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
		Industry Grouping												
Number of establishments	As a percentage of the ICT sector (%)	ICT sector	Distribution of ICT goods	56.3	54.3	55.6	54.8	53.5	51.9	48.7	49.9	48.7	47.3	47.9
			Provision of ICT services	43.3	45.4	44.0	45.0	46.4	48.0	51.2	49.9	51.2	52.5	51.9
			Manufacturing of ICT goods	0.4	0.3	0.5	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of persons engaged	As a percentage of the ICT sector (%)	ICT sector	Distribution of ICT goods	46.2	42.8	43.6	42.5	41.9	41.9	38.8	36.9	37.3	35.1	36.3
			Provision of ICT services	51.7	55.0	54.8	56.2	57.0	57.0	60.0	61.7	61.7	63.7	62.7
			Manufacturing of ICT goods	2.0	2.2	1.5	1.2	1.1	1.1	1.2	1.4	1.1	1.2	1.0
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Value added	As a percentage of the ICT sector (%)	ICT sector	Distribution of ICT goods	57.8	54.2	51.4	51.0	52.2	52.4	49.9	50.8	52.3	50.1	49.0
			Provision of ICT services	41.8	45.4	48.3	48.6	47.5	47.3	49.8	48.8	47.4	49.5	50.7
			Manufacturing of ICT goods	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source:
Science and Technology Statistics Section, Census and Statistics Department

- In 2024, there were 29 local fixed network operators¹ and 5 mobile network operators in Hong Kong. There were also 191 telecommunications licensees authorised to provide external fixed telecommunications services and 334 telecommunications licensees authorised to provide Internet access services in Hong Kong.

Table 2.3 : Number of operators in the telecommunications industry

Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Type of services and facilities											
Local fixed network operators (1)	Number	Local telecommunication operators	21	25	25	27	27	27	27	27	27	26	29
Mobile network operators	Number	Local telecommunication operators	4	4	4	4	4	4	5	5	5	5	5
External fixed telecommunications service providers (2)	Number	Total	269	270	263	258	238	225	214	209	196	191	191
Internet service providers (3)	Number	Total	201	215	225	233	251	252	263	289	298	306	334

Source:
Office of the Communications Authority

- 1 Include all licensees authorised to provide facility-based local fixed telecommunications services under unified carrier licence (UCL) using wireline or wireless technology.
- 2 Include all licensees authorised to provide facility-based external telecommunications services (ETS) under UCL and service-based ETS under services-based operator (SBO) licence.
- 3 Include all licensees authorised to provide Internet access services under UCL and SBO licences.

3. Trade in ICT Goods and Services

ICT Goods

- In 2024, imports of ICT goods amounted to \$3,004.3 billion, accounting for 61.0% of the overall value of imports of all goods.
- In the same year, the value of total exports of ICT goods reached \$3,021.5 billion, representing 66.5% of the overall value of total exports of all goods.

Table 3.1 : Imports and total exports of ICT goods

Commodity divisions		ICT goods ⁽¹⁾										
Year		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Imports	HK\$ million	2,041,818	2,080,427	2,149,553	2,381,718	2,630,295	2,432,540	2,525,381	3,189,469	2,953,659	2,683,286	3,004,255
	Year-on-year % change	+8.0	+1.9	+3.3	+10.8	+10.4	-7.5	+3.8	+26.3	-7.4	-9.2	+12.0
	As a percentage of overall value of imports of all goods (%)	48.4	51.4	53.6	54.7	55.7	55.1	59.1	60.1	59.9	57.8	61.0
Total exports	HK\$ million	1,870,481	1,943,696	2,020,404	2,214,245	2,470,689	2,374,951	2,479,361	3,190,749	2,937,733	2,652,205	3,021,461
	Year-on-year % change	+6.8	+3.9	+3.9	+9.6	+11.6	-3.9	+4.4	+28.7	-7.9	-9.7	+13.9
	As a percentage of overall value of total exports of all goods (%)	50.9	53.9	56.3	57.1	59.4	59.5	63.1	64.3	64.8	63.5	66.5

Source:
Trade Analysis Section, Census and Statistics Department

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of ICT goods across years may be slightly different.

- In 2024, imports of communication equipment amounted to \$465.6 billion, the mainland of China (the Mainland) was the major supplier, accounting for 66.8% of the total.
- In the same year, the value of total exports of communication equipment was \$441.8 billion. The United States of America (USA), the Mainland and the United Arab Emirates were the three largest destinations, accounting for 16.0%, 15.1% and 12.2% respectively of the total.

Table 3.2 : Imports by main supplier of communication equipment

Commodity divisions			Communication equipment ⁽¹⁾										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Main supplier											
Imports	HK\$ million	The mainland of China	422,804	506,562	493,465	489,239	502,119	457,662	433,825	514,595	346,502	339,461	310,891
		United States of America	31,146	29,001	30,338	31,781	33,247	30,824	24,428	33,435	35,896	31,824	35,960
		Vietnam	5,866	2,182	3,820	2,648	3,500	12,238	19,807	20,866	17,668	10,659	30,727
		All countries/territories	538,331	606,630	592,473	595,337	606,587	564,383	537,125	636,763	467,666	472,410	465,610
	Year-on-year % change	The mainland of China	+18.4	+19.8	-2.6	-0.9	+2.6	-8.9	-5.2	+18.6	-32.7	-2.0	-8.4
		United States of America	+20.5	-6.9	+4.6	+4.8	+4.6	-7.3	-20.8	+36.9	+7.4	-11.3	+13.0
		Vietnam	-38.6	-62.8	+75.1	-30.7	+32.2	+249.6	+61.8	+5.3	-15.3	-39.7	+188.3
		All countries/territories	+12.2	+12.7	-2.3	+0.5	+1.9	-7.0	-4.8	+18.6	-26.6	+1.0	-1.4

Source:
Trade Analysis Section, Census and Statistics Department

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of communication equipment across years may be slightly different.

Table 3.3 : Total exports by main destination of communication equipment

Commodity divisions			Communication equipment ⁽¹⁾										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Main destination											
Total exports	HK\$ million	United States of America	46,497	48,905	48,470	39,912	43,229	36,620	34,202	42,141	42,225	56,261	70,739
		The mainland of China	238,944	239,904	219,018	211,202	187,304	183,608	170,474	179,512	65,899	57,100	66,575
		United Arab Emirates	12,105	13,169	16,517	17,262	19,683	27,592	32,145	48,377	61,649	65,811	54,056
		All countries/territories	544,262	585,720	586,410	595,186	612,518	584,870	528,373	595,485	433,236	426,513	441,767
	Year-on-year % change	United States of America	+11.6	+5.2	-0.9	-17.7	+8.3	-15.3	-6.6	+23.2	+0.2	+33.2	+25.7
		The mainland of China	-3.9	+0.4	-8.7	-3.6	-11.3	-2.0	-7.2	+5.3	-63.3	-13.4	+16.6
		United Arab Emirates	+49.5	+8.8	+25.4	+4.5	+14.0	+40.2	+16.5	+50.5	+27.4	+6.8	-17.9
		All countries/territories	+8.1	+7.6	+0.1	+1.5	+2.9	-4.5	-9.7	+12.7	-27.2	-1.6	+3.6

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of communication equipment across years may be slightly different.

- In 2024, imports of computers and peripheral equipment amounted to \$426.6 billion, the Mainland was the major supplier, accounting for 50.8% of the total.
- In the same year, the value of total exports of computers and peripheral equipment was \$509.3 billion. The Mainland was the largest destination, accounting for 62.4% of the total.

Table 3.4 : Imports by main supplier of computers and peripheral equipment

Commodity divisions			Computers and peripheral equipment (1)										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Main supplier													
Imports	HK\$ million	The mainland of China	236,289	224,909	204,683	226,118	280,688	222,236	221,155	280,466	235,359	186,807	216,757
		Taiwan	12,849	11,434	9,842	13,226	14,514	17,708	23,709	30,933	32,739	28,251	93,319
		Korea	5,241	3,327	3,129	11,453	10,385	11,912	13,699	16,903	20,742	13,258	21,251
		All countries/territories	340,956	319,428	289,373	323,790	394,002	327,503	329,845	428,834	392,253	304,436	426,641
	Year-on-year % change	The mainland of China	-5.3	-4.8	-9.0	+10.5	+24.1	-20.8	-0.5	+26.8	-16.1	-20.6	+16.0
		Taiwan	+3.5	-11.0	-13.9	+34.4	+9.7	+22.0	+33.9	+30.5	+5.8	-13.7	+230.3
		Korea	-29.2	-36.5	-6.0	+266.1	-9.3	+14.7	+15.0	+23.4	+22.7	-36.1	+60.3
		All countries/territories	-5.7	-6.3	-9.4	+11.9	+21.7	-16.9	+0.7	+30.0	-8.5	-22.4	+40.1

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of computers and peripheral equipment across years may be slightly different.

Table 3.5 : Total exports by main destination of computers and peripheral equipment

Commodity divisions			Computers and peripheral equipment (1)										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Main destination													
Total exports	HK\$ million	The mainland of China	220,858	190,337	163,292	183,087	212,205	193,083	200,864	268,924	208,197	200,469	317,806
		United States of America	27,337	30,887	32,095	36,308	43,189	32,612	43,178	46,442	54,954	38,712	40,345
		Netherlands	7,704	11,242	12,866	11,545	11,184	10,989	15,047	20,465	21,870	15,710	19,169
		All countries/territories	344,306	331,343	307,260	348,025	402,353	357,198	394,329	519,210	451,298	378,113	509,269
	Year-on-year % change	The mainland of China	-0.5	-13.8	-14.2	+12.1	+15.9	-9.0	+4.0	+33.9	-22.6	-3.7	+58.5
		United States of America	+23.3	+13.0	+3.9	+13.1	+19.0	-24.5	+32.4	+7.6	+18.3	-29.6	+4.2
		Netherlands	+118.6	+45.9	+14.4	-10.3	-3.1	-1.7	+36.9	+36.0	+6.9	-28.2	+22.0
		All countries/territories	+2.4	-3.8	-7.3	+13.3	+15.6	-11.2	+10.4	+31.7	-13.1	-16.2	+34.7

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of computers and peripheral equipment across years may be slightly different.

- In 2024, imports of consumer electronic equipment amounted to \$50.3 billion, the Mainland was the major supplier, accounting for 64.3% of the total.
- In the same year, the value of total exports of consumer electronic equipment was \$54.8 billion. The Mainland and the USA were the two largest destinations, accounting for 20.1% and 15.0% of the total respectively.

Table 3.6 : Imports by main supplier of consumer electronic equipment

Commodity divisions			Consumer electronic equipment (1)										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Main supplier											
Imports	HK\$ million	The mainland of China	59,883	56,623	49,849	61,810	68,055	58,785	45,457	45,327	22,558	30,014	32,341
		Japan	6,884	4,623	3,760	3,537	3,452	2,483	1,839	1,896	3,297	3,605	2,863
		United States of America	2,740	1,918	1,956	2,033	2,625	2,365	1,883	1,592	1,350	2,082	2,139
		All countries/territories	86,492	77,933	69,478	82,906	90,481	80,398	62,932	62,609	38,311	47,336	50,268
	Year-on-year % change	The mainland of China	-14.9	-5.4	-12.0	+24.0	+10.1	-13.6	-22.7	-0.3	-50.2	+33.1	+7.8
		Japan	-14.9	-32.9	-18.7	-5.9	-2.4	-28.1	-25.9	+3.1	+73.9	+9.3	-20.6
		United States of America	-30.6	-30.0	+2.0	+3.9	+29.1	-9.9	-20.4	-15.4	-15.2	+54.3	+2.8
		All countries/territories	-16.3	-9.9	-10.8	+19.3	+9.1	-11.1	-21.7	-0.5	-38.8	+23.6	+6.2

Source:
Trade Analysis Section, Census and Statistics Department

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of consumer electronic equipment across years may be slightly different.

Table 3.7 : Total exports by main destination of consumer electronic equipment

Commodity divisions			Consumer electronic equipment (1)										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Main destination											
Total exports	HK\$ million	The mainland of China	28,078	25,008	23,136	29,126	30,200	29,951	22,845	22,567	12,800	12,526	10,992
		United States of America	14,569	16,612	15,365	18,975	22,767	20,715	17,580	15,465	8,085	8,411	8,189
		Japan	7,066	5,383	5,006	8,277	9,784	7,349	6,996	5,882	3,214	2,970	3,033
		All countries/territories	83,028	77,829	71,603	90,718	102,456	96,810	81,182	79,421	51,512	52,465	54,773
	Year-on-year % change	The mainland of China	-6.0	-10.9	-7.5	+25.9	+3.7	-0.8	-23.7	-1.2	-43.3	-2.1	-12.2
		United States of America	-6.9	+14.0	-7.5	+23.5	+20.0	-9.0	-15.1	-12.0	-47.7	+4.0	-2.6
		Japan	-18.9	-23.8	-7.0	+65.3	+18.2	-24.9	-4.8	-15.9	-45.4	-7.6	+2.1
		All countries/territories	-12.3	-6.3	-8.0	+26.7	+12.9	-5.5	-16.1	-2.2	-35.1	+1.9	+4.4

Source:
Trade Analysis Section, Census and Statistics Department

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of consumer electronic equipment across years may be slightly different.

- In 2024, imports of electronic components amounted to \$1,961.5 billion. The top three suppliers were the Mainland, Taiwan and Singapore, accounting for 36.1%, 19.7% and 14.6% respectively of the total.
- In the same year, the value of total exports of electronic components was \$1,915.9 billion. The Mainland was the largest destination, accounting for 81.5% of the total.

Table 3.8 : Imports by main supplier of electronic components

Commodity divisions			Electronic components (1)										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Main supplier											
Imports	HK\$ million	The mainland of China	305,077	318,505	345,434	392,343	428,880	444,048	452,912	626,022	615,751	618,225	707,569
		Taiwan	193,041	182,705	211,217	241,251	241,876	242,545	305,402	420,111	471,992	416,886	386,893
		Singapore	159,812	154,427	176,505	191,777	208,143	199,493	231,390	314,834	301,197	235,466	287,334
		All countries/territories	969,923	979,714	1,104,896	1,280,004	1,429,530	1,374,180	1,501,785	1,953,738	1,956,579	1,775,362	1,961,469
	Year-on-year % change	The mainland of China	+14.6	+4.4	+8.5	+13.6	+9.3	+3.5	+2.0	+38.2	-1.6	+0.4	+14.5
		Taiwan	+23.1	-5.4	+15.6	+14.2	+0.3	+0.3	+25.9	+37.6	+12.3	-11.7	-7.2
		Singapore	+13.5	-3.4	+14.3	+8.7	+8.5	-4.2	+16.0	+36.1	-4.3	-21.8	+22.0
		All countries/territories	+17.6	+1.0	+12.8	+15.8	+11.7	-3.9	+9.3	+30.1	+0.1	-9.3	+10.5

Source:
Trade Analysis Section, Census and Statistics Department

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of electronic components across years may be slightly different.

Table 3.9 : Total exports by main destination of electronic components

Commodity divisions			Electronic components (1)										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Main destination											
Total exports	HK\$ million	The mainland of China	650,483	707,619	806,798	907,405	1,047,182	1,039,420	1,165,636	1,562,521	1,486,101	1,349,725	1,562,364
		Vietnam	4,465	5,197	5,597	8,387	11,029	16,016	26,239	35,137	46,645	57,234	72,488
		Taiwan	23,078	19,391	25,728	26,414	27,047	33,787	38,435	64,095	67,120	64,421	62,457
		All countries/territories	794,509	845,850	954,597	1,070,837	1,234,539	1,240,431	1,378,715	1,874,874	1,898,812	1,710,832	1,915,867
	Year-on-year % change	The mainland of China	+15.4	+8.8	+14.0	+12.5	+15.4	-0.7	+12.1	+34.0	-4.9	-9.2	+15.8
		Vietnam	+47.8	+16.4	+7.7	+49.8	+31.5	+45.2	+63.8	+33.9	+32.8	+22.7	+26.7
		Taiwan	+6.3	-16.0	+32.7	+2.7	+2.4	+24.9	+13.8	+66.8	+4.7	-4.0	-3.0
		All countries/territories	+13.7	+6.5	+12.9	+12.2	+15.3	+0.5	+11.1	+36.0	+1.3	-9.9	+12.0

Source:
Trade Analysis Section, Census and Statistics Department

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of electronic components across years may be slightly different.

- In 2024, imports of other ICT goods amounted to \$100.3 billion. The top three suppliers were the Mainland, Vietnam and Korea, accounting for 40.7%, 20.9% and 18.5% respectively of the total.
- In the same year, the value of total exports of other ICT goods was \$99.8 billion. The Mainland was the largest destination, accounting for 63.0% of the total.

Table 3.10 : Imports by main supplier of other ICT goods

Commodity divisions			Other ICT goods ⁽¹⁾										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Main supplier											
Imports	HK\$ million	The mainland of China	51,069	47,555	49,206	52,905	52,024	49,281	51,237	45,179	35,352	37,018	40,796
		Vietnam	13,097	11,775	5,830	6,790	10,065	6,345	5,652	14,131	21,079	19,043	20,963
		Korea	10,288	6,083	8,138	10,440	10,159	8,936	13,657	22,385	22,856	12,180	18,548
		All countries/territories	106,117	96,721	93,334	99,681	109,694	86,076	93,694	107,525	98,850	83,743	100,267
	Year-on-year % change	The mainland of China	-23.8	-6.9	+3.5	+7.5	-1.7	-5.3	+4.0	-11.8	-21.8	+4.7	+10.2
		Vietnam	+11.9	-10.1	-50.5	+16.5	+48.2	-37.0	-10.9	+150.0	+49.2	-9.7	+10.1
		Korea	+20.9	-40.9	+33.8	+28.3	-2.7	-12.0	+52.8	+63.9	+2.1	-46.7	+52.3
		All countries/territories	-12.4	-8.9	-3.5	+6.8	+10.0	-21.5	+8.9	+14.8	-8.1	-15.3	+19.7

Source:
Trade Analysis Section, Census and Statistics Department

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of other ICT goods across years may be slightly different.

Table 3.11 : Total exports by main destination of other ICT goods

Commodity divisions			Other ICT goods ⁽¹⁾										
Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Main destination											
Total exports	HK\$ million	The mainland of China	75,333	76,295	76,622	80,559	83,761	63,734	67,732	87,846	71,130	53,341	62,818
		Vietnam	1,411	1,555	1,514	2,476	2,053	1,769	2,276	2,685	2,650	2,718	4,988
		Philippines	275	300	353	571	572	585	987	3,382	3,964	3,461	3,636
		All countries/territories	104,376	102,955	100,532	109,479	118,822	95,643	96,762	121,760	102,875	84,284	99,786
	Year-on-year % change	The mainland of China	-14.8	+1.3	+0.4	+5.1	+4.0	-23.9	+6.3	+29.7	-19.0	-25.0	+17.8
		Vietnam	+37.8	+10.2	-2.6	+63.5	-17.1	-13.8	+28.7	+18.0	-1.3	+2.6	+83.5
		Philippines	-47.8	+9.2	+17.6	+61.8	+0.3	+2.3	+68.6	+242.8	+17.2	-12.7	+5.1
		All countries/territories	-12.1	-1.4	-2.4	+8.9	+8.5	-19.5	+1.2	+25.8	-15.5	-18.1	+18.4

Source:
Trade Analysis Section, Census and Statistics Department

1 Owing to annual adjustments in commodity codes of merchandise trade, the coverage of other ICT goods across years may be slightly different.

ICT Services and Digitally-deliverable Services

- In 2023, the value of imports of ICT services amounted to \$19.9 billion, accounting for 3.2% of the overall value of imports of all services.
- In the same year, the value of exports of ICT services was \$30.7 billion, representing 4.0% of the overall value of exports of all services.
- In 2023, the value of imports of digitally-deliverable services amounted to \$210.0 billion, accounting for 34.0% of the overall value of imports of all services.
- In the same year, the value of exports of digitally-deliverable services was \$359.5 billion, representing 47.2% of the overall value of exports of all services.

Table 3.12 : Imports and exports of ICT services and digitally-deliverable services

Year			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
		Service group											
Imports of services	HK\$ million	ICT services	11,679	13,730	13,625	13,959	13,934	14,455	14,858	16,610	18,495	19,233	19,857
		Digitally-deliverable services	157,138	162,558	167,388	167,363	176,352	190,099	187,635	184,864	198,635	201,376	209,953
	Year-on-year % change	ICT services	+10.6	+17.6	-0.8	+2.5	-0.2	+3.7	+2.8	+11.8	+11.3	+4.0	+3.2
		Digitally-deliverable services	+3.1	+3.4	+3.0	[§3]	+5.4	+7.8	-1.3	-1.5	+7.4	+1.4	+4.3
	As a percentage of overall value of imports of all services (%)	ICT services	2.0	2.4	2.4	2.4	2.3	2.3	2.3	3.9	3.9	3.9	3.2
		Digitally-deliverable services	26.9	28.3	29.1	29.0	29.1	29.7	29.6	43.4	41.4	40.7	34.0
Exports of services	HK\$ million	ICT services	19,694	21,147	21,326	21,415	21,353	22,298	23,369	24,976	28,482	30,435	30,691
		Digitally-deliverable services	261,161	276,501	291,674	285,027	307,835	332,533	319,444	306,385	340,565	361,103	359,492
	Year-on-year % change	ICT services	+10.2	+7.4	+0.8	+0.4	-0.3	+4.4	+4.8	+6.9	+14.0	+6.9	+0.8
		Digitally-deliverable services	+4.2	+5.9	+5.5	-2.3	+8.0	+8.0	-3.9	-4.1	+11.2	+6.0	-0.4
	As a percentage of overall value of exports of all services (%)	ICT services	2.4	2.6	2.6	2.8	2.6	2.5	2.9	4.8	4.6	4.7	4.0
		Digitally-deliverable services	32.1	33.4	36.1	37.3	37.9	37.5	40.0	59.0	55.4	55.5	47.2

Source:
Trade in Services Statistics Section, Census and Statistics Department

[§3] Increase or decrease of less than 0.05%

4. Access to and Use of ICT

Access to ICT

- In 2024, there was 43.9 fixed telephone lines per 100 population. On the other hand, the number of public mobile subscriptions reached 27.85 million and the number of public mobile subscriptions per 100 population was 369.7.
- In 2024, there are 39.6 fixed broadband Internet access lines per 100 population.
- With the advances in technology, the mobile broadband services have proliferated. The mobile broadband subscriptions per 100 population increased from 315.4 in 2019 to 369.6 in 2024, up by an average of 3.2% per annum.

Chart 4.1-A : Fixed broadband Internet subscriptions / registered access lines per 100 population

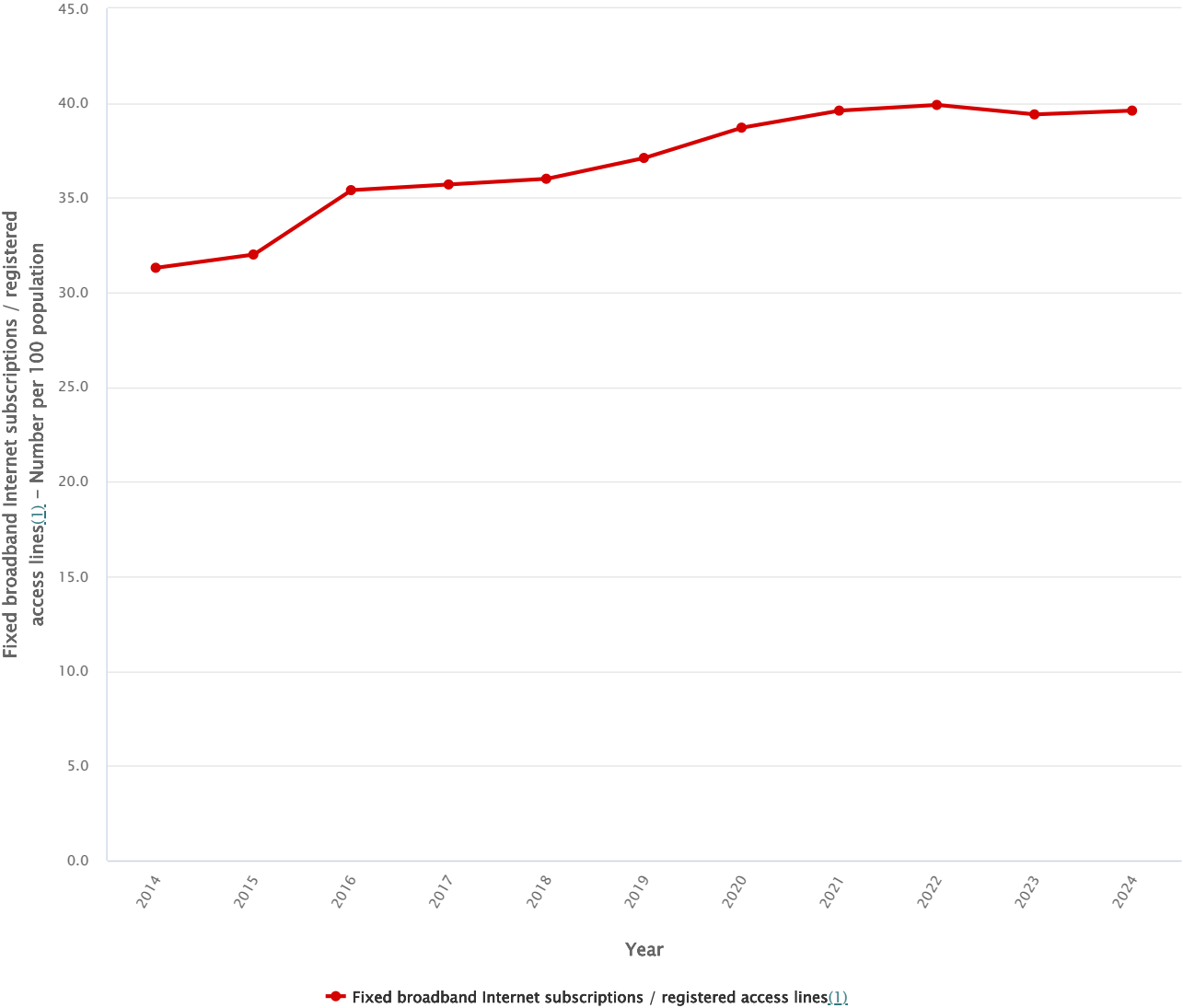


Chart 4.1-B : Mobile broadband subscriptions per 100 population

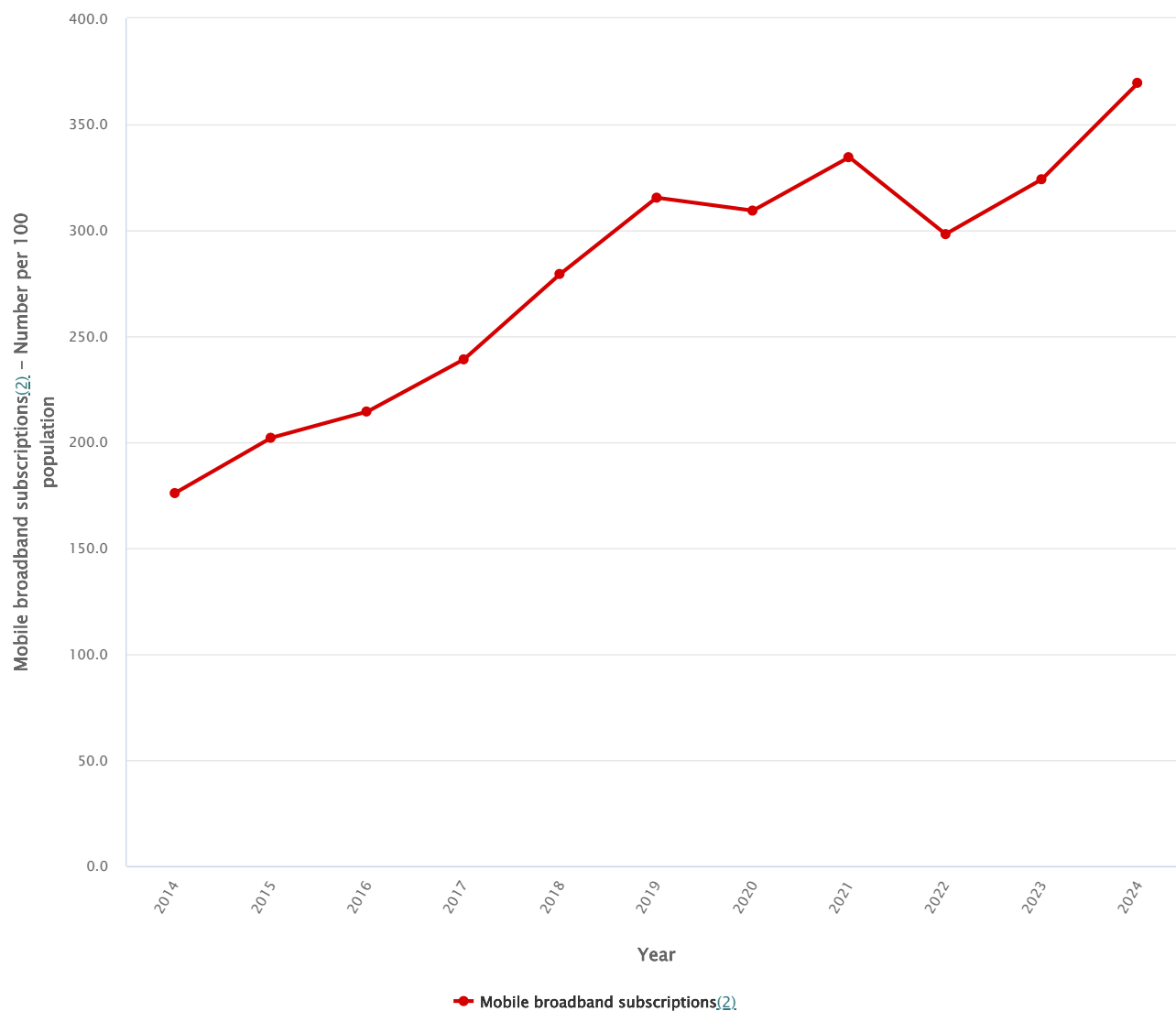


Table 4.1 : Key statistics on access to ICT

Year		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Fixed broadband Internet subscriptions / registered access lines (1)	Number per 100 population	31.3	32.0	35.4	35.7	36.0	37.1	38.7	39.6	39.9	39.4 r	39.6
Mobile broadband subscriptions (2)	Number per 100 population	176.0	202.1	214.5	239.1	279.4	315.4	309.3	334.5	298.2	324.1 r	369.6
Fixed telephone lines (3)	Number per 100 population	59.6	57.6	57.0	56.0	54.7	53.9	53.0	51.8	49.2	46.3 r	43.9
Public mobile subscriptions (4)	Number per 100 population	239.5	229.5	233.6	256.4	289.0	318.8	311.6	335.3	299.0	324.2 r	369.7
International Internet bandwidth (Kilobits per second (Kbps)) (5)	per person	2 933.1	4 206.4	6 553.6	8 239.6	9 861.8	14 333.6	16 457.7	20 627.7	25 459.8	31 789.2 r	37 712.1
Percentage of population covered by mobile network	(%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Average mobile cellular tariffs (100 minutes of use per month)	HK\$	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.0	10.0	10.0
Fixed broadband Internet access tariffs (per month)	HK\$	148.0	136.0	128.0	88.0	78.0	88.0	88.0	78.0	78.0	78.0	68.0
Percentage of localities with public Internet access centres (6)	(%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sources:
Office of the Communications Authority
Leisure and Cultural Services Department

Population-related figures shown in the above table are compiled based on the latest population estimates released in February 2025.

- 1 Figures are estimated based on the returns from the licensed Internet Service Providers (ISPs). From January 2019 onwards, figures are compiled in terms of the number of “access lines” provided by ISPs, while they were compiled in terms of the number of “registered customer accounts” prior to January 2019. Figures refer to the total number of Internet access lines, including dial-up and total fixed broadband access lines. Those are not used by customers of the licensed ISPs are not included, such as access lines of the campus networks in the universities. Registered access lines refer to the dial-up or broadband connections of ISPs to individual end users (including those free-of-charge connections). Where multiple access lines are provided to the same end user, the number of access lines is counted for the purpose of the statistics. In case more than one service is offered under one access line, it is counted as one access line only.
- 2 Figures refer to the number of mobile subscriptions riding on 2.5G/3G/4G/5G mobile data services, including machine type connections, per 100 population.
- 3 Figures include the number of exchange lines and non-exchange lines.
- 4 Figures comprise of subscriptions of post-paid SIM cards and pre-paid SIM cards, and include conventional mobile voice and/or data subscriptions by customers as well as subscriptions for machine type connections.
- 5 The International Internet bandwidth refers to the equipped capacity of the external telecommunications facilities.
- 6 Figures indicate the availability of public Internet access in 18 District Council districts only.
- r Revised figure

Table 4.2 : Wireline telephone services

Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Type of telephone lines											
Number of exchange lines (1)	Thousands	Business	1 751	1 759	1 733	1 700	1 673	1 637	1 585	1 547	1 517	1 443	1 185
		Residential	1 505	1 418	1 348	1 261	1 159	1 072	981	900	824	738	684
		Total	3 256	3 177	3 081	2 961	2 832	2 709	2 566	2 447	2 341	2 181	1 869
	Year-on-year % change	Business	-0.4	+0.4	-1.5	-1.9	-1.6	-2.2	-3.1	-2.4	-1.9	-4.9	-17.8
		Residential	-6.4	-5.8	-5.0	-6.4	-8.1	-7.4	-8.6	-8.2	-8.4	-10.4	-7.4
		Total	-3.3	-2.4	-3.0	-3.9	-4.4	-4.3	-5.3	-4.6	-4.3	-6.8	-14.3
Number of non-exchange lines (2)	Thousands	Business	88	96	112	127	139	152	150	170	170	197	408
		Residential	978	938	1 014	1 063	1 127	1 193	1 219	1 214	1 162	1 108	1 028
		Total	1 066	1 034	1 127	1 190	1 267	1 345	1 368	1 384	1 332	1 306	1 436
	Year-on-year % change	Business	+7.7	+9.2	+17.1	+12.7	+10.2	+8.9	-1.3	+13.2	+0.1	+16.2	+106.6
		Residential	+12.5	-4.1	+8.2	+4.8	+6.0	+5.8	+2.2	-0.3	-4.3	-4.6	-7.2
		Total	+12.0	-3.0	+9.0	+5.6	+6.5	+6.1	+1.8	+1.1	-3.8	-2.0	+10.0
Fixed telephone lines (3)	Per 100 households	Total	102.1	95.3	94.5	91.8	89.1	86.8	83.3	79.2	74.4	68.4	62.0

Source:
Office of the Communications Authority

Household-related figures are compiled based on the household estimates released in May 2025.

- 1 Figures include direct dialing in lines, facsimile lines and datel lines.
- 2 Figures include but not limited to Internet Protocol (IP) telephony services and wireless fixed telephony services.
- 3 Figures include the number of exchange lines and non-exchange lines.

Table 4.3 : Number of public mobile subscriptions by type of SIM cards

Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Type of SIM cards											
Number of public mobile subscriptions	Thousands	Post-paid SIM cards (1)	7 851	7 972	8 161	8 605	9 209	9 481	9 490	9 818	9 697	10 027	10 282
		Pre-paid SIM cards (2)	9 521	8 803	9 072	10 408	12 431	14 494	13 648	14 999	12 643	14 382	17 571
		Total	17 372	16 775	17 233	19 013	21 640	23 975	23 138	24 816	22 340	24 409	27 853
	Year-on-year % change	Post-paid SIM cards (1)	+0.1	+1.5	+2.4	+5.4	+7.0	+3.0	+0.1	+3.5	-1.2	+3.4	+2.5
		Pre-paid SIM cards (2)	+1.9	-7.5	+3.1	+14.7	+19.4	+16.6	-5.8	+9.9	-15.7	+13.8	+22.2
		Total	+1.0	-3.4	+2.7	+10.3	+13.8	+10.8	-3.5	+7.3	-10.0	+9.3	+14.1

Source:
Office of the Communications Authority

- 1 Figures include conventional mobile voice and/or data post-paid subscriptions by customers and post-paid subscriptions for machine type connections.
- 2 Figures comprise of subscriptions for activated pre-paid SIM and pre-paid SIM cards which have not been activated, and include conventional mobile voice and/or data pre-paid subscriptions by customers and pre-paid subscriptions for machine type connections.

- The mobile service market of Hong Kong is developing rapidly in terms of technology applications and services offered. In 2024, the number of subscriptions of 4G and 5G mobile services reached 19.68 million and 7.97 million respectively.

Table 4.4 : Number of public mobile subscriptions by type of public mobile subscriptions

Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Type of public mobile subscriptions											
Number of public mobile subscriptions	Thousands	3G subscriptions (1) (2)	8 715	8 259	8 206	4 271	4 441	4 635	2 910	1 768	1 033	652	200
		4G subscriptions (1) (2) (3)	3 945	5 888	7 378	13 295	16 475	19 067	20 047	20 118	16 596	17 216	19 677
		5G subscriptions (1) (3)	-	-	-	-	-	-	-	2 866	4 650	6 530	7 967
		All types of public mobile subscriptions	17 372	16 775	17 233	19 013	21 640	23 975	23 138	24 816	22 340	24 409	27 853
	Year-on-year % change	3G subscriptions (1) (2)	-12.0	-5.2	-0.6	-47.9	+4.0	+4.4	-37.2	-39.2	-41.6	-36.9	-69.3
		4G subscriptions (1) (2) (3)	+78.7	+49.3	+25.3	+80.2	+23.9	+15.7	+5.1	-	-17.5	+3.7	+14.3
		5G subscriptions (1) (3)	-	-	-	-	-	-	-	-	+62.2	+40.4	+22.0
		All types of public mobile subscriptions	+1.0	-3.4	+2.7	+10.3	+13.8	+10.8	-3.5	+7.3	-10.0	+9.3	+14.1

Source:
Office of the Communications Authority

- 1 Figures include conventional mobile voice and/or data post-paid subscriptions by customers and post-paid subscriptions for machine type connections. Figures comprise of subscriptions for activated pre-paid SIM and pre-paid SIM cards which have not been activated, and include conventional mobile voice and/or data pre-paid subscriptions by customers and pre-paid subscriptions for machine type connections. 3G/4G/5G subscriptions refer to those mobile subscriptions that (i) are registered as 3G/4G/5G subscriptions; (ii) ride on 3G/4G/5G services; or (iii) have used 3G/4G/5G frequencies to receive the public mobile services. The figures include subscriptions for machine type connections.
- 2 The 3G/4G subscriptions are reclassified by operators as from 2017.
- 3 Figures of 5G subscriptions are available as from April 2020. Figures for 4G and 5G subscriptions are collected separately as from 2021. Hence, the rates of change between 2020 and 2021 are not applicable.
- Not applicable

Table 4.5 : External telecommunications traffic

Year			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
		Type of external telephone traffic											
Total external telephone traffic volume	million minutes	Total outgoing (1)	6 189.6	5 405.5	4 914.9	3 668.9	3 030.7	2 252.7	1 433.5	1 206.4	981.5	919.9	806.9
		Total incoming (2)	2 318.7	2 208.3	2 001.7	1 659.0	1 363.5	1 020.0	830.6	762.9	593.5	522.8	505.7
		Total	8 508.3	7 613.8	6 916.5	5 327.9	4 394.2	3 272.7	2 264.1	1 969.3	1 575.0	1 442.7	1 312.7
	Year-on-year % change	Total outgoing (1)	-12.2	-12.7	-9.1	-25.4	-17.4	-25.7	-36.4	-15.8	-18.6	-6.3	-12.3
		Total incoming (2)	-12.1	-4.8	-9.4	-17.1	-17.8	-25.2	-18.6	-8.1	-22.2	-11.9	-3.3
		Total	-12.2	-10.5	-9.2	-23.0	-17.5	-25.5	-30.8	-13.0	-20.0	-8.4	-9.0

Source:
Office of the Communications Authority

- 1 Figures include facsimile and data traffic.
- 2 Estimated figures

Use of ICT by Households

- In 2024, some 2.69 million households had Internet access at home, by any devices, constituting 96.7% of all households in Hong Kong. Some 2.00 million households had PC at home, constituting 72.0% of all households in Hong Kong.
- In 2024, some 0.97 million households had purchased smartphones / PCs and related products / services during the 12 months before enumeration, constituting 34.8% of all households in Hong Kong. Among them, the median expenditure on related purchases was \$5,000.

Table 4.6 : Use of ICT by households

Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Type of information technology usage / activity													
With Internet access at home (1)	Number of households	Thousands	-	-	-	-	2 389.1	2 475.1	2 511.9	2 537.5	2 559.4	2 631.6	2 691.4
		Rate (%) (2)	-	-	-	-	92.3	94.1	93.9	94.4	96.1	96.6	96.7
With personal computer (PC) at home	Number of households	Thousands	1 992.7	1 996.3	2 019.3	2 068.0	1 948.9	2 040.4	2 015.2	2 035.5	2 000.3	2 025.9	2 002.4
		Rate (%) (2)	81.3	80.4	80.6	80.9	75.3	77.6	75.3	75.8	75.1	74.4	72.0
With PC at home connected to the Internet	Number of households	Thousands	1 929.3	1 961.1	1 992.3	2 050.5	1 944.4	2 039.4	2 014.9	2 035.2	1 999.4	2 025.4	2 001.8
		Rate (%) (2)	78.7	79.0	79.5	80.2	75.1	77.6	75.3	75.7	75.0	74.4	71.9
Had purchased smartphones / PCs and related products / services (3)	Number of households	Thousands	1 287.7	-	1 269.7	-	1 358.8	-	1 142.9	-	994.4	-	968.0
		Rate (%) (2)	52.5	-	50.7	-	52.5	-	42.7	-	37.3	-	34.8
	Median household expenditure on related purchases	HK\$	5,000	-	5,000	-	4,000	-	4,000	-	5,000	-	5,000

Source:
Social Surveys Section (1), Census and Statistics Department

- 1 Referring to Internet access, by any devices, at home. Figures are available from 2018 onwards.
2 As a percentage of all households.
3 Relevant information was not collected in the 2015, 2017, 2019, 2021 and 2023 rounds of survey.
- Not applicable

Use of ICT by Individuals

- In 2024, the rate of persons having used the Internet and PC during the 12 months before enumeration was 95.8% and 76.6% respectively among all persons aged 10 and over. In addition, the proportion of persons aged 10 and over who had a smartphone was 96.3%.
- In 2024, some 3.14 million persons aged 15 and over had made online purchases for personal matters during the 12 months before enumeration, constituting 49.6% among all persons aged 15 and over.
- In 2024, some 4.16 million persons aged 15 and over had used mobile payments during the 12 months before enumeration, constituting 65.6% among all persons aged 15 and over.

Table 4.7 : Use of ICT by individuals

Year				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Age group	Type of information technology usage / activity													
≥10	Had used the Internet	Number of persons	Thousands	5 052.5	5 394.9	5 577.5	5 738.0	5 856.1	5 988.0	6 013.6	6 009.8	6 138.2	6 352.1	6 366.2
			Rate (%) (1)	79.9	84.9	87.5	89.4	90.5	91.7	92.4	93.1	95.6	96.0	95.8
	Had used personal computer (PC)	Number of persons	Thousands	4 651.6	4 990.2	5 195.4	5 118.2	5 197.5	5 396.8	5 195.3	5 075.2	5 147.4	5 219.5	5 091.3
			Rate (%) (1)	73.5	78.6	81.5	79.8	80.3	82.7	79.8	78.6	80.2	78.9	76.6
	Had a smartphone	Number of persons	Thousands	4 886.0	5 270.8	5 468.6	5 688.3	5 811.6	5 973.6	5 991.8	6 000.2	6 236.0	6 377.8	6 399.8
			Rate (%) (1)	77.2	83.0	85.8	88.6	89.8	91.5	92.1	92.9	97.1	96.4	96.3
	Being aware of the GovHK (2)	Number of persons	Thousands	3 691.5	-	3 713.7	-	4 020.9	-	4 276.2	-	4 415.7	-	4 306.2
			Rate (%) (1)	58.4	-	58.2	-	62.1	-	65.7	-	68.8	-	64.8
	Had used online Government services for personal matters (2)	Number of persons	Thousands	3 555.4	-	3 728.0	-	4 560.5	-	4 575.3	-	5 722.7	-	5 483.3
			Rate (%) (1)	56.2	-	58.5	-	70.5	-	70.3	-	89.1	-	82.5
	Being aware of the Mobile E-Government Services (2)	Number of persons	Thousands	4 339.0	-	4 196.5	-	4 843.5	-	5 327.4	-	6 205.9	-	6 154.6
			Rate (%) (1)	68.6	-	65.8	-	74.9	-	81.9	-	96.7	-	92.6

Figures exclude foreign domestic helpers.

- 1 As a percentage of all persons aged 10 and over.
2 Relevant information was not collected in the 2015, 2017, 2019, 2021 and 2023 rounds of survey.
- Not applicable

Table 4.8 : Type of web devices used for Internet access by individuals

Year					2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Age group	Type of information technology usage / activity	Type of web devices (1)													
≥10	Had used the Internet	Smartphone	Number of persons	Thousands	4 782.8	5 272.8	5 465.4	5 631.5	5 787.4	5 945.9	5 968.7	5 973.6	6 114.6	6 331.1	6 337.2
				Percentage share (%) (2)	94.7	97.7	98.0	98.1	98.8	99.3	99.3	99.4	99.6	99.7	99.5
		PC	Number of persons	Thousands	4 256.5	4 697.6	5 161.8	5 068.6	5 176.5	5 254.1	5 194.6	5 005.1	5 145.7	5 217.3	5 091.3
				Percentage share (%) (2)	84.2	87.1	92.5	88.3	88.4	87.7	86.4	83.3	83.8	82.1	80.0
		Others (3)	Number of persons	Thousands	269.1	49.6	428.6	1 292.4	1 818.6	1 810.6	2 447.0	2 784.5	3 204.4	3 384.1	3 869.5
				Percentage share (%) (2)	5.3	0.9	7.7	22.5	31.1	30.2	40.7	46.3	52.2	53.3	60.8

Source:
Social Surveys Section (1), Census and Statistics Department

Figures exclude foreign domestic helpers.

- 1 Multiple answers were allowed.
2 As a percentage of all persons aged 10 and over who had used the Internet.
3 Including Smart TVs, TV set-top boxes, smart wearable devices, printers, game consoles, and digital cameras, etc.

Table 4.9 : Use of online purchases and mobile payments by individuals

Year					2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Age group	Type of information technology usage / activity														
≥15	Had made online purchases for personal matters (1)	Number of persons	Thousands		1 415.6	-	1 701.2	-	2 220.9	-	2 672.3	-	2 866.1	-	3 143.8
			Rate (%) (2)		23.4	-	27.8	-	35.8	-	43.1	-	46.8	-	49.6
	Had used mobile payments (3)	Number of persons	Thousands		-	-	-	1 526.8	2 219.8	2 612.2	3 063.5	3 439.0	3 689.5	4 100.9	4 158.7
			Rate (%) (2)		-	-	-	24.8	35.8	41.9	49.4	56.0	60.2	64.9	65.6

Source:
Social Surveys Section (1), Census and Statistics Department

Figures exclude foreign domestic helpers.

- 1 Relevant information was not collected in the 2015, 2017, 2019, 2021 and 2023 rounds of survey.
2 As a percentage of all persons aged 15 and over.
3 Figures are available from 2017 onwards.
- Not applicable

Table 4.10 : Use of the Internet by individuals

Year				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Age group	Type of information technology usage / activity	Major purpose of using the Internet ⁽¹⁾													
≥10	Had used the Internet	Communication / interaction	Number of persons	Thousands	4 680.5	-	5 407.8	-	5 787.3	-	5 967.7	-	6 089.9	-	6 349.2
				Rate (%) ⁽²⁾	92.6	-	97.0	-	98.8	-	99.2	-	99.2	-	99.7
		Online entertainment	Number of persons	Thousands	4 190.6	-	4 909.8	-	5 282.2	-	5 466.6	-	5 808.9	-	6 287.2
				Rate (%) ⁽²⁾	82.9	-	88.0	-	90.2	-	90.9	-	94.6	-	98.8
		Information searching	Number of persons	Thousands	4 418.3	-	5 066.5	-	5 614.1	-	5 727.8	-	6 137.1	-	6 285.5
				Rate (%) ⁽²⁾	87.4	-	90.8	-	95.9	-	95.2	-	100.0	-	98.7
		Online purchases / finance transactions	Number of persons	Thousands	1 992.7	-	2 106.9	-	2 809.4	-	3 564.5	-	4 046.4	-	4 316.7
				Rate (%) ⁽²⁾	39.4	-	37.8	-	48.0	-	59.3	-	65.9	-	67.8
		Office / school / personal affairs and others	Number of persons	Thousands	2 125.0	-	2 162.7	-	3 084.8	-	3 927.7	-	4 951.1	-	5 625.9
				Rate (%) ⁽²⁾	42.1	-	38.8	-	52.7	-	65.3	-	80.7	-	88.4

Source:
Social Surveys Section (1), Census and Statistics Department

Figures exclude foreign domestic helpers.

- 1 Multiple answers were allowed. Relevant information was not collected in the 2015, 2017, 2019, 2021 and 2023 rounds of survey.
2 As a percentage of all persons aged 10 and over who had used the Internet.
- Not applicable

Use of ICT by Businesses

- In 2023, 88.7% of the business establishments had used computers and 96.8% of the business establishments had used smartphone for business purpose. Besides, the proportion of business establishments using the Internet was relatively higher, at 98.3%. As regards business establishments with a web presence, the proportion was relatively low (48.4%).
- Among all the business establishments using the Internet, 87.1% used fixed broadband to connect to the Internet. The corresponding figures for 4G and 5G mobile broadband were 70.6% and 47.5% respectively.

Table 4.11 : Use of ICT by businesses

Year			2013	2015	2017	2019	2021	2023
		Type of information technology usage / activity						
Proportion to all establishments	(%)	Using computers	75.2	76.3	79.6	80.9	81.0	88.7
		Using smartphone for business purpose	45.5	63.7	79.8	86.3	92.8	96.8
		Using the Internet	74.8	79.9	87.7	90.3	95.7	98.3
		With a web presence ⁽¹⁾	26.4	32.6	33.6	38.3	43.7	48.4
Proportion of persons employed	(%)	Routinely using computers	62.9	67.7	68.0	66.6	69.9	75.8
		Routinely using the Internet	59.4	68.9	72.4	75.1	87.3	94.6
Proportion of establishments using the Internet	(%)	Having obtained information from government organisations via the Internet	44.2	53.5	43.5	34.1	32.0	33.3

Source:
Science and Technology Statistics Section, Census and Statistics Department

Statistics are compiled based on data collected from the Survey on Information Technology Usage and Penetration in the Business Sector. Since 2013, the survey was conducted on a biennial basis.

- 1 Figures include social media business page since 2021.

Table 4.12 : Type of Internet access by businesses

Type of information technology usage / activity				Using the Internet					
Year				2013	2015	2017	2019	2021	2023
		Major type of Internet access (1)							
Proportion to establishments with selected type of information technology usage / activity	(%)	Fixed broadband		92.2	93.0	87.7	86.8	82.6	87.1
		Mobile broadband	5G (2)	-	-	-	-	9.8	47.5
			4G	16.6	56.6	71.6	87.7	92.9	70.6
			3G	32.7	32.6	20.2	3.5	1.8	0.5

Source:
Science and Technology Statistics Section, Census and Statistics Department

Statistics are compiled based on data collected from the Survey on Information Technology Usage and Penetration in the Business Sector. Since 2013, the survey was conducted on a biennial basis.

- 1 Multiple answers were allowed.
2 Figures of 5G are available as from 2021.
- Not applicable

Table 4.13 : Use of the Internet by businesses

Type of information technology usage / activity			Using the Internet					
Year			2013	2015	2017	2019	2021	2023
		Major type of use of the Internet (1)						
Proportion to establishments with selected type of information technology usage / activity	(%)	Sending or receiving emails	94.2	92.4	87.3	87.4	82.9	92.5
		Posting information or instant messaging	20.7	36.1	53.2	43.3	79.2	82.1
		Internet banking	43.6	44.3	57.5	62.1	66.5	74.5
		Video conferencing / Telephoning over the Internet / VoIP (2)	9.9	7.0	12.1	10.3	31.4	73.0
		Providing customer services	42.0	53.6	57.6	63.2	70.0	72.8
		Getting information about goods or services	45.6	72.9	60.8	69.2	48.9	38.7
		Downloading or requesting government forms	40.3	42.2	45.0	43.2	35.7	36.8
		Making payments of goods or services	16.8	17.6	23.1	31.2	27.6	35.3
		Receiving payments of goods or services	7.1	11.0	10.9	16.9	19.2	32.0
		Completing or lodging government forms online	21.9	25.1	29.5	21.2	26.9	22.9

Source:
Science and Technology Statistics Section, Census and Statistics Department

Statistics are compiled based on data collected from the Survey on Information Technology Usage and Penetration in the Business Sector. Since 2013, the survey was conducted on a biennial basis.

- 1 Multiple answers were allowed.
2 Figures only include video conferencing for the year of 2021 or before.

- In 2023, 15.3% of business establishments had received orders online (e-commerce sales) in the 12 months before enumeration. Over the same period, the value of e-commerce sales as a percentage of total business receipts was 9.1%. In 2024, the value of online retail sales amounted to \$31.7 billion, accounting for 8.4% of the total retail sales value.
- 25.5% of business establishments had placed orders online (e-commerce purchases) in the 12 months before enumeration in 2023. Moreover, 96.2% of business establishments had delivered their goods, services or information online (e-delivery).

Table 4.14 : E-commerce and e-delivery in the business sector

Year			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Type of information technology usage / activity											
Proportion to all establishments	(%)	Having received orders online (e-commerce sales) (1)	-	6.8	-	7.5	-	9.0	-	11.3	-	15.3	-
		Having placed orders online (e-commerce purchases) (1)	-	15.6	-	21.2	-	21.2	-	25.0	-	25.5	-
		Having delivered goods, services or information online (e-delivery) (1)	-	79.1	-	87.0	-	89.1	-	94.7	-	96.2	-
Value of e-commerce sales as a % of total business receipts (1)	(%)	Total	-	4.7	-	5.3	-	5.7	-	6.6	-	9.1	-
Value of online retail sales (2)	HK\$ million	Total	-	-	-	-	-	-	20,586	28,626	34,561	32,538	31,661
	As a % share of total retail sales (%)	Total	-	-	-	-	-	-	6.3	8.1	9.9	8.0	8.4

Sources:

Distribution Services Statistics Section, Census and Statistics Department
Science and Technology Statistics Section, Census and Statistics Department

- 1 Statistics are compiled based on data collected from the Survey on Information Technology Usage and Penetration in the Business Sector. Since 2013, the survey was conducted on a biennial basis. Figures refer to the information of the calendar year preceding the reference year, or any consecutive 12-month period between 1 January of the preceding year and 31 March of the reference year, according to the accounting practices of individual establishments.
- 2 Statistics are compiled based on data collected from the Monthly Survey of Retail Sales as from 2020.
- Not applicable

- Investment in IT equipment and software in the business sector amounted to \$49.6 billion in 2023, accounting for 13.6% of non-residential gross domestic fixed capital formation.

Table 4.15 : Investment in IT equipment and software in the business sector as a ratio to non-residential gross domestic fixed capital formation

Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Investment in IT equipment and software in the business sector	HK\$ million	32,611	29,553	31,256	34,670	40,614	36,717	57,846	48,319	48,552	52,313	49,555
	As a ratio to non-residential gross domestic fixed capital formation (%)	8.2	7.7	8.2	9.5	10.6	8.9	16.6	15.6	14.6	15.6	13.6 @

Source:

Science and Technology Statistics Section, Census and Statistics Department

@ Figure is subject to revision later on.

- The total expenditure on IT in the business sector amounted to \$92.0 billion in 2023, and the ratio to GDP was 3.1%. The total IT expenditure in the business sector as a ratio to GDP hovered around 2% to 4% during the period from 2013 to 2023.

Table 4.16 : Total IT expenditure in the business sector as a ratio to GDP

Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total IT expenditure in the business sector	HK\$ million	55,011	54,211	57,512	63,205	72,466	69,690	105,670	87,039	89,247	91,355	92,011
	As a ratio to GDP (%) (1)	2.6	2.4	2.4	2.5	2.7	2.5	3.7	3.3	3.1	3.3	3.1 @

Source:

Science and Technology Statistics Section, Census and Statistics Department

1 Figures on GDP refer to the latest statistics released in May 2025.

@ Figure is subject to revision later on.

Use of ICT by the Government

- In 2023-24 financial year, government spending on ICT amounted to \$15.8 billion, representing 2.1% of the total public expenditure.

Table 4.17 : Government spending on ICT

Financial year		2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
ICT expenditure of Government	HK\$ million (1)	4,315	4,176	5,745	6,433	6,829	7,762	8,591	10,058	10,823	11,600	13,214
ICT expenditure of Government, Housing Authority and Hospital Authority	HK\$ million (2)	5,768	5,663	7,261	8,081	8,565	9,660	10,721	12,448	13,241	14,162	15,821
	As a ratio to public expenditure (%) (3)	1.3	1.3	1.6	1.6	1.7	1.7	1.7	1.5	1.8	1.7	2.1
	As a ratio to GDP (%) (3) (4)	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5 @

Source:
Digital Policy Office

The financial year runs from 1 April to 31 March of the following year.

- 1 Starting from 2015-16 financial year, figures on ICT expenditure include full spending under personal emoluments, departmental expenses and capital projects.
- 2 The figures refer to the sum of those shown in row (1) and the ICT expenditure of Housing Authority and Hospital Authority.
- 3 Government spending on ICT is calculated using the figures in row (2).
- 4 Figures on GDP refer to the latest statistics released in May 2025.
- @ Figure is subject to revision later on.

- In 2024, the establishment of IT staff (comprising analyst / programmer, computer operator and data processor) within the Government was 2 204.

Table 4.18 : Government IT staff

Year				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Grade												
Government establishment	Number	IT staff	Analyst / Programmer	900	956	999	1 057	1 275	1 368	1 489	1 493	1 499	1 515	1 551
			Computer operator	463	462	465	473	497	506	516	517	523	539	545
			Data processor	169	160	146	145	134	124	118	118	111	114	108
			Total	1 532	1 578	1 610	1 675	1 906	1 998	2 123	2 128	2 133	2 168	2 204

Source:
Digital Policy Office

Establishment as at 31 March of each year.

5. Human Resources and Education in Information Technology (IT)

Manpower Structure in the IT Field

- The total number of IT employees was 112 425 in 2022, constituting 3.0% of the labour force in Hong Kong and increasing by 17.4% as compared with 95 780 in 2018.
- Analysed by job category, among the 112 425 IT employees in 2022, 46 644 (41.5%) were engaged in software development; 31 117 (27.7%) in infrastructure and operations support; and 10 772 (9.6%) in IT sales and marketing.
- IT security, software development and data management recorded significant percentage growth in number of IT employees between 2018 and 2022 at 41.9%, 27.9% and 26.4% respectively.

Table 5.1 : Manpower structure of the IT field by job category

Year			2012	2014	2016	2018	2022
Job category							
Number of employees	Number	Information technology	78 685	82 973	87 794	95 780	112 425
		Software development ⁽¹⁾	29 085	31 414	33 622	36 463	46 644
		Infrastructure and operations support	17 305	19 105	19 665	25 184	31 117
		IT sales and marketing	6 705	6 710	7 177	8 543	10 772
		Technical services (including field support and systems programming)	12 876	13 251	14 107	12 440	10 101
		Communications and networks	6 007	5 923	6 426	5 973	5 975
		IT education and training	3 650	3 571	3 727	3 944	3 878
		IT security	577	622	769	1 118	1 587
		General IT management	1 438	1 462	1 477	1 463	1 527
		Data management	1 042	915	824	652	824
	As a percentage of the labour force (%)	Information technology	2.1	2.1	2.2	2.4	3.0

Source:
Vocational Training Council

1 The number of employees engaged in research and development projects related to IT was included in the figures for 2018 and 2022.

- Analysed by sector, 45 106 (40.1%) IT employees were engaged in the IT products and services suppliers sector in 2022, followed by 18 411 (16.4%) in the wholesale, retail and import/export trades, catering and hotels sector; and 12 846 (11.4%) in the financing, insurance, real estate and business services sector.
- The innovative products and services sector and the communications services sector recorded significant percentage growth in number of IT employees between 2018 and 2022 at 178.9% and 32.2% respectively.

Table 5.2 : Distribution of IT employees by sector

Occupation group			Information technology				
Year			2012	2014	2016	2018	2022
Industry Grouping							
Number of employees	Number	IT products and services suppliers	26 563	27 522	30 013	37 739	45 106
		Wholesale, retail and import / export trades, catering and hotels	15 940	16 581	16 495	16 352	18 411
		Financing, insurance, real estate and business services	13 536	15 165	15 726	12 158	12 846
		Community, social and personal services	9 497	9 733	10 040	11 727	7 966
		Universities and post-secondary colleges; research and scientific institutes ⁽¹⁾	-	-	-	-	4 928
		Communications services	3 747	3 922	5 223	5 619	7 430
		Innovative products and services ⁽²⁾	-	-	-	1 581	4 409
		Government bureaux / departments	2 470	2 703	2 741	3 195	3 740
		Manufacturing	2 867	2 948	3 008	2 330	2 381
		Transport and storage services	1 837	1 959	1 990	2 225	2 153
		Medical and health care services	750	931	1 077	1 066	1 182
		Construction	424	434	473	743	794
		Digital creative	680	697	618	725	736
		Electricity, gas and water	374	378	390	320	343
		Total	78 685	82 973	87 794	95 780	112 425

Source:
Vocational Training Council

1 Figures for years prior to 2022 were categorised under "Community, social and personal services" Sector.

2 This sector was added since 2018.

- Not applicable

- The total number of graduates of UGC-funded IT programmes (including both full-time and part-time programmes) was 2 735 in the 2023/24 academic year, among which 2 225 (81.4%) were of undergraduate programmes and 488 (17.8%) of research postgraduate programmes.

Table 5.3 : Number of graduates of IT programmes funded by the University Grants Committee by level of study

Type of funding support			Funded by University Grants Committee										
Programme scope			Information technology programme										
Academic year			2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
		Level of study											
Number of graduates	Number	Sub-degree	193	132	152	141	111	88	52	41	43	53	22
		Undergraduate	2 011	2 139	2 058	2 051	2 216	2 255	2 293	2 332	2 377	2 260	2 225
		Research postgraduate	289	303	272	306	366	343	322	367	355	403	488
		Total	2 493	2 574	2 482	2 498	2 693	2 686	2 667	2 740	2 775	2 716	2 735
	Year-on-year % change	Sub-degree	-6.3	-31.6	+15.2	-7.2	-21.3	-20.7	-40.9	-21.2	+4.9	+23.3	-58.5
		Undergraduate	-3.1	+6.4	-3.8	-0.3	+8.0	+1.8	+1.7	+1.7	+1.9	-4.9	-1.5
		Research postgraduate	+14.7	+4.8	-10.2	+12.5	+19.6	-6.3	-6.1	+14.0	-3.3	+13.5	+21.1
		Total	-1.6	+3.2	-3.6	+0.6	+7.8	-0.3	-0.7	+2.7	+1.3	-2.1	+0.7

Source:
University Grants Committee Secretariat

- In the 2023/24 academic year, the Education Bureau organised a total of 477 Digital Education training courses, which were attended by 29 427 teachers from primary and secondary schools. It also organised 148 courses on Web-based School Administration and Management System in total, which were attended by 1 609 primary school teachers and 1 960 secondary school teachers.

Table 5.4 : Number of Digital Education training courses offered by the Education Bureau for primary and secondary school teachers

Type of school		Primary and secondary schools				
Course		Digital Education training courses (1)				
Academic year		2019/20	2020/21	2021/22	2022/23	2023/24
Number of courses	Number	382	485	500	446	477
	Year-on-year % change	N.A.	+27.0	+3.1	-10.8	+7.0

Source:
Education Bureau

- 1 These courses aim to equip teachers with the knowledge and skills needed for the implementation of digital education.
N.A. Not available

Table 5.5 : Number of teachers who had attended Digital Education training courses offered by the Education Bureau for primary and secondary school teachers

Type of school		Primary and secondary schools				
Course		Digital Education training courses (1) (2)				
Academic year		2019/20	2020/21	2021/22	2022/23	2023/24
Number of teachers	Number	11 686	25 231	30 109	30 951	29 427
	Year-on-year % change	N.A.	+115.9	+19.3	+2.8	-4.9

Source:
Education Bureau

- 1 These courses aim to equip teachers with the knowledge and skills needed for the implementation of digital education.
2 The Education Bureau has been conducting more online training courses to accommodate more participants since 2020/21 academic year.
N.A. Not available

Table 5.6 : Number of courses on Web-based School Administration and Management System offered by the Education Bureau for primary and secondary school teachers

Course			Courses on Web-based School Administration and Management System									
Academic year			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
		Type of school										
Number of courses	Number	Primary schools	103	90	99	79	67	62	75	60	72	74
		Secondary schools	107	94	102	83	70	64	75	59	71	74
	Year-on-year % change	Primary schools	+9.6	-12.6	+10.0	-20.2	-15.2	-7.5	+21.0	-20.0	+20.0	+2.8
		Secondary schools	+10.3	-12.1	+8.5	-18.6	-15.7	-8.6	+17.2	-21.3	+20.3	+4.2

Source:
Education Bureau

Table 5.7 : Number of teachers who had attended courses on Web-based School Administration and Management System offered by the Education Bureau for primary and secondary school teachers

Course			Courses on Web-based School Administration and Management System ⁽¹⁾									
Academic year			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
		Type of school										
Number of teachers	Number	Primary schools	1 170	885	1 616	1 061	923	842	1 535	1 174	1 865	1 609
		Secondary schools	1 786	1 373	2 229	1 383	1 363	1 167	1 417	1 454	2 035	1 960
	Year-on-year % change	Primary schools	-16.7	-24.4	+82.6	-34.3	-13.0	-8.8	+82.3	-23.5	+58.9	-13.7
		Secondary schools	-14.1	-23.1	+62.3	-38.0	-1.4	-14.4	+21.4	+2.6	+40.0	-3.7

Source:
Education Bureau

1 The Education Bureau has been conducting more online training courses to accommodate more participants since 2020/21 academic year.

- In the 2023/24 academic year, 445 primary school teachers and 454 secondary school teachers executed duties as IT coordinators / IT in-charge at school. Meanwhile, 1 783 secondary school teachers were teaching IT / computer studies.

Table 5.8 : Number of teachers with duties as IT coordinators / IT in-charge at school

Duty			Information technology (IT) coordinators / IT in-charge									
Academic year			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
		Type of school										
Number of teachers	Number	Primary schools	469	475	486	491	489	490	481	455	451	445
		Secondary schools	488	478	487	495	481	489	471	466	458	454
		Primary and secondary schools	957	953	973	986	970	979	952	921	909	899
	Year-on-year % change	Primary schools	+2.4	+1.3	+2.3	+1.0	-0.4	+0.2	-1.8	-5.4	-0.9	-1.3
		Secondary schools	+0.2	-2.0	+1.9	+1.6	-2.8	+1.7	-3.7	-1.1	-1.7	-0.9
		Primary and secondary schools	+1.3	-0.4	+2.1	+1.3	-1.6	+0.9	-2.8	-3.3	-1.3	-1.1

Source:
Education Bureau

Table 5.9 : Number of secondary school teachers teaching IT / computer studies

Type of school		Secondary schools										
Subject taught		Information technology / computer studies										
Academic year		2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	
Number of teachers	Number	1 832	1 785	1 773	1 783	1 787	1 815	1 826	1 805	1 786	1 783	
	Year-on-year % change	-4.0	-2.6	-0.7	+0.6	+0.2	+1.6	+0.6	-1.2	-1.1	-0.2	

Source:
Education Bureau

6. Further Information

For more information, please refer to the following web pages, where you can find supplementary statistical data on relevant subjects, as well as statistics and reports provided by other organisations and government bureaux/departments.

Section 3: Trade in Information and Communication Technology Goods and Services

- [Table 420-57001 : Exports and imports of services by service component, service group and service item](#)

Section 4: Access to and Use of Information and Communication Technology

- [Office of the Communications Authority - Figures & Statistics](#)
 - [Wireline Services](#)
 - [Wireless Services](#)
 - [Customer Access via Public Switched Telephone Networks](#)
 - [Customer Access via Broadband Networks](#)
 - [Statistics on Internet Service Subscriptions in Hong Kong](#)
- [Thematic Household Survey Report](#)
 - [Information Technology Usage and Penetration](#)
 - [Internet and Personal Computer Penetration](#)
- [Report on the Survey on Information Technology Usage and Penetration in the Business Sector](#)
- [Table 620-67031 : Value of Online Retail Sales by Selected Type of Retail Outlet](#)
- [Digital Policy Office - Computerisation in the Government](#)

Section 5: Human Resources and Education in Information Technology

- [Vocational Training Council - The Manpower Survey of the Innovation and Technology Sector](#)

7. Explanatory Notes

Monetary figures

All monetary figures quoted are in Hong Kong dollars.

Rounding of figures

Figures may not add up to the total due to rounding.

Calculation of percentage changes

Percentage changes are derived from unrounded figures.

Coverage of ICT Sector

[Coverage of ICT Sector](#)

Terms and Definitions

[Terms and Definitions](#)

Sources of Statistical Data

[Sources of Statistical Data](#)

8. Enquiries

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