# Statistics on Telecom Services for 2023 (Jul - Dec)

## International Telephone Services

| CATEGORY | DEC |
|---|---|
| Total number of outgoing retail international telephone call minutes | 619,529,900 |
| Total number of outgoing retail international telephone call minutes including transit[1] | 2,706,452,200 |
| All figures are updated on a half-yearly basis. | |

## Fixed Line

| CATERGORY | SEP | DEC |
|---|---|---|
| Total Fixed Line[2] Subscriptions | 1,941,200 | 1,912,400 |
| Total Residential Line Subscriptions | 1,198,200 | 1,193,300 |
| Total Corporate/Business Line Subscriptions | 743,000 | 719,100 |
| Fixed Line Population Penetration Rate[3] | 32.8% | 32.3% |
| Fixed Line Household Penetration Rate[4] | 76.6% | 76.3% |
| All figures are updated on a quarterly basis. | | |

## Mobile Market

| CATERGORY | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|
| Total Mobile Subscriptions (3G+4G+5G)[5] | 9,309,900 | 9,367,900 | 9,342,600 | 9,381,200 | 9,488,400 | 9,589,600 |
| Total Post-paid Subscriptions (3G) | 34,000 | 32,600 | 31,200 | 31,500 | 26,900 | 24,000 |
| Total Pre-paid Subscriptions (3G) | 67,100 | 56,100 | 52,800 | 51,300 | 45,800 | 40,900 |

| CATERGORY | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|
| Total Post-paid Subscriptions (4G) | 5,561,800 | 5,530,300 | 5,455,800 | 5,456,700 | 5,520,700 | 5,565,400 |
| Total Pre-paid Subscriptions (4G) | 2,063,500 | 2,083,600 | 2,051,000 | 2,054,100 | 2,059,500 | 2,085,200 |
| Total Post-paid Subscriptions (5G) | 1,372,900 | 1,413,000 | 1,464,000 | 1,501,200 | 1,551,900 | 1,590,800 |
| Total Pre-paid Subscriptions (5G) | 210,700 | 252,300 | 287,900 | 286,400 | 283,700 | 283,300 |
| Total Ported Subscriptions[6] | 36,300 | 35,900 | 35,100 | 40,800 | 38,000 | 38,100 |
| Mobile Population Penetration Rate[7] | 157.3% | 158.3% | 157.9% | 158.5% | 160.3% | 162.1% |

## Broadband Internet Subscription

| CATERGORY | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|
| Total Broadband[8] | 12,437,500 | 12,556,600 | 12,498,700 | 11,812,000[16] | 12,633,000 | 12,689,600 |
| Total Residential Wired Broadband[9] | 1,429,700 | 1,433,200 | 1,436,100 | 1,438,400 | 1,440,700 | 1,443,700 |
| Total Corporate Wired Broadband[10] | 136,000 | 135,800 | 130,100 | 135,700 | 136,100 | 137,900 |
| Total xDSL[11] | 300 | 300 | 300 | 300 | 300 | 300 |

| CATERGORY | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|
| Total Optical Fibre Broadband Subscription (i.e., offered via PON or Active Ethernet)[12] | 1,560,500 | 1,563,800 | 1,561,000 | 1,568,900 | 1,571,500 | 1,576,400 |
| Total Wireless Broadband[13] | 10,871,700 | 10,987,500 | 10,932,500 | 10,237,900[16] | 11,056,200 | 11,108,000 |
| Total Subscriptions using other Broadband Internet Access Platforms | 4,900 | 5,000 | 4,900 | 4,900 | 4,900 | 5,000 |
| Residential Wired Broadband Household Penetration Rate[14] | 91.4% | 91.7% | 91.8% | 92.0% | 92.1% | 92.3% |
| Wireless Broadband Population Penetration Rate[15] | 183.7% | 185.7% | 184.7% | 173.0%[16] | 186.8% | 187.7% |

All figures for subscriptions are rounded to the nearest hundred.

All figures for penetration rates are rounded to the nearest decimal point.

These telecom statistics are subject to revision from time to time to ensure accuracy.

**Footnotes**

[1] This figure includes total retail outgoing international call minutes as well as transit minutes and. includes all Service-Based Operators (**SBO**).

[2] "Fixed Lines" includes Direct Exchange Lines ("**DEL**") and IP Telephony subscriptions using Level '6' numbers.

[3] "Fixed Line Population Penetration Rate" measures the total number of Fixed Line Subscriptions as a percentage of the Total Population in Singapore. The "Total Population" figure will be updated by the Singapore Department of Statistics in June of each year, and will be used for computing "Fixed Line Population Penetration Rate" up till May of the following year.

[4] "Fixed Line Household Penetration Rate" measures the total number of Residential Fixed Line Subscriptions as a percentage of the total number of households in Singapore. The "Total Households" figure will be updated by the Singapore Department of Statistics in June of each year, and will be used for computing "Fixed Line Household Penetration Rate" up till May of the following year.

[5] With effect from July 2022, "Total Mobile Subscriptions" includes 3G, 4G and 5G subscriptions (including both pre-paid and post-paid).

[6] "Total Ported Subscriptions" refers to the number of subscribers who retained their mobile numbers when they switched to a new mobile operator.

[7] "Mobile Population Penetration Rate" measures the total number of mobile subscriptions as a percentage of the Total Population in Singapore. The "Total Population" figure will be updated by the Singapore Department of Statistics in June of each year, and will be used for computing "Mobile Population Penetration Rate" up till May of the following year.

[8] "Total Broadband Subscriptions" (i.e., for connection speeds equal to, or greater than, 256 kbit/s, in one or both directions) includes retail xDSL, leased line Internet, 3G, 3.5G/HSDPA, 4G/LTE, WiMAX or its equivalent and Wireless@SG subscriptions. Provision of Broadband Internet access services via cable modem has ceased since 2020.

[9] "Total Residential Wired Broadband" includes all retail residential wired broadband subscriptions (i.e. for connection speeds equal to, or greater than, 256 kbit/s, in one or both directions) provided over xDSL, leased line and optical fibre. Residential wireless broadband subscriptions will be excluded. Provision of Broadband Internet access services via cable modem has ceased since 2020.

[10] "Total Corporate Wired Broadband" includes all retail corporate wired broadband subscriptions (i.e. for connection speeds equal to, or greater than, 256 kbit/s, in one or both directions) provided over xDSL, leased line and optical fibre. Corporate wireless broadband subscriptions will be excluded. Provision of Broadband Internet access services via cable modem has ceased since 2020.

[11] "Total xDSL" includes residential and corporate xDSL subscriptions.

[12] "Total Optical Fibre Broadband" includes residential and corporate subscriptions to broadband Internet services using optical fibre networks, including end-to-end optical fibre broadband subscriptions that are offered via Passive Optical Network ("**PON**") and Active Ethernet.

[13] "Total Wireless Broadband Subscriptions" includes all retail broadband Internet access subscriptions (i.e., for connection speeds equal to, or greater than, 256 kbit/s, in one or both directions) provided via wireless platforms such as 3G, 3.5G/HSDPA, 4G/LTE, WiMAX or its equivalent and Wireless@SG subscriptions. From Jan 2018, the Wireless@SG subscriptions will only include active users for the month.

[14] "Residential Wired Broadband Household Penetration Rate" measures the total number of Residential Wired Broadband Subscriptions as a percentage of the total number of households in Singapore, and excludes all wireless access plans (provided via 3G, 3.5G/HSDPA, 4G/LTE, WiMAX or its equivalent and Wi-Fi hotspots). The "Total Households" figure will be updated by the Singapore Department of Statistics in June of each year, and will be used for computing "Residential Wired Broadband Household Penetration Rate" up till May of the following year. Please note that this does not necessarily reflect of the proportion of households with broadband in Singapore as some households subscribe to more than one broadband connection. For a more accurate figure, please refer to IMDA's Household Survey findings.

[15] "Wireless Broadband Population Penetration Rate" measures the total number of Wireless Broadband Subscriptions (i.e. for connection speeds equal to, or greater than, 256 kbit/s, in one or both directions) such as 3G, 3.5G/HSDPA, 4G/LTE, WiMAX or its equivalent and Wireless@SG subscriptions as a percentage of the total population in Singapore. The "Total Population" figure will be updated by the Singapore Department of Statistics in June of each year, and will be used for computing "Wireless Broadband Population Penetration Rate" up till May of the following year.

[16] Excludes one Wireless@SG Operators' figures due to server maintenance.