

Mobile Business Rankings & Analysis

# Mobile Services Market Analysis

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## Mobile Services Market Analysis

### ❖ Forecast of Global Telecom Terminal Market

(Unit: million US dollar)

Year	2015	2016	2017	2018	2019	2020	CAGR (`15~`20)
Mobile devices	442,708	434,612	463,877	494,126	554,177	602,814	6.4%
Base station	40,574	42,850	46,742	52,079	56,728	60,263	8.2%
Telecom services	965,324	978,056	1,012,668	1,042,908	1,069,498	1,094,536	2.5%
Total	1,448,606	1,455,518	1,523,287	1,589,112	1,680,404	1,757,612	3.9%

**CAGR (Compound Annual Growth Rate)**

- Geometric progression ratio that provides a constant rate of return over the time period
- Used frequently in business and investment analysis

$$CAGR(Y_b, Y_a) = \left[ \left( \frac{V_b}{V_a} \right)^{\frac{1}{Y_b - Y_a}} - 1 \right]$$

- $V_a$ : value based on year  $a$
- $V_b$ : value based on year  $b$
- $Y_a$ : year  $a$
- $Y_b$ : year  $b$ , where  $Y_b > Y_a$

[Ref] 5G Forum, Market analysis of 5G mobile services, 5G Service Roadmap 2022, 2016.

## Mobile Services Market Analysis

### ❖ Forecast of Global Wearable Device Market

(Unit: million US dollar)

Year	2015	2016	2017	2018	2019	2020	CAGR (`15~`20)
Smart watch	8,195	12,296	15,979	18,653	20,303	20,873	20.6%
Smart glass	3,212	5,249	7,966	10,176	12,346	14,577	35.3%
Fitness band	888	830	726	612	530	467	-12.1%
Other wearable devices	210	338	495	687	948	1,210	41.9%
Total	12,508	18,714	25,167	30,128	34,127	37,127	24.3%

[Ref] 5G Forum, Market analysis of 5G mobile services, 5G Service Roadmap 2022, 2016.

## Mobile Services Market Analysis

### ❖ Forecast of Global Mobile Network Equipment Market

(Unit: million US dollar)

Year		2015	2016	2017	2018	2019	2020	CAGR (`15~`20)
Base-station	2G	3,831.9	2,553.2	1,671.4	1,103.3	756.7	529.7	-32.7%
	3G	10,980.5	9,009.8	7,045.2	5,251.7	3,845.8	2,845.9	-23.7%
	4G	18,146.2	21,926.9	26,793.2	32,678.3	37,656.6	41,422.2	17.9%
	Subtotal	32,958.6	33,489.9	35,509.8	39,033.2	42,259.1	44,797.9	6.3%
Small Cell		2,972.0	4,628.5	6,391.2	7,934.3	9,075.9	9,802.0	27.0%
Core Network		4,643.4	4,732.0	4,841.3	5,111.6	5,393.4	5,663.0	4.1%
Total		40,573.9	42,850.4	46,742.3	52,079.1	56,728.4	60,262.9	8.2%

[Ref] 5G Forum, Market analysis of 5G mobile services, 5G Service Roadmap 2022, 2016.

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# References

## References

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