

Asia-Pacific Wireless Statistics Forecast, 2016 – 2021

Market Study
First Quarter 2017





Asia-Pacific Wireless Statistics Forecast, 2016 – 2021

A Market Study

Published First Quarter, 2017
Version 1.0
Report Number: 1Q2017-05

iGR
12400 W. Hwy 71
Suite 350 PMB 341
Austin TX 78738

Table of Contents

Abstract	1
Executive Summary	2
Figure A: Asia-Pacific Connections and Population, 2016-2021(000)	2
Figure B: Asia-Pacific Mobile Handset Sales by Handset Type, 2016-2021 (units).....	3
Figure C: Total Mobile Data Traffic (TB/month) in Asia-Pacific, 2016-2021	4
Methodology.....	5
Asia-Pacific Mobile Connections Forecast, 2016-2021	6
Connections Forecast Assumptions.....	6
Connections Forecast.....	6
Table 1: Asia-Pacific Connections, Population, and Penetration, 2016-2021	7
Figure 1: Asia-Pacific Connections and Population, 2016-2021(000).....	7
Table 2: Asia-Pacific Connections by Technology Generation 2016-2021(000)	8
Figure 2: Asia-Pacific Connections by Technology Generation, 2016-2021(000).....	8
Table 3: Asia-Pacific Connections by Technology, 2016-2021(000)	9
Figure 3: Asia-Pacific Connections by Technology, 2016-2021(000)	10
Asia-Pacific Smartphone Sales Forecast: 2016-2021	11
Smartphone Sales Forecast Assumptions	11
Handset Forecast	12
Table 4: Asia-Pacific Mobile Handset Sales as a Percentage of Mobile Connections, 2016-2021.....	12
Figure 4: Asia-Pacific Mobile Handset Sales as a Percentage of Mobile Connections, 2016-2021.....	13
Handset Sales Forecast by Type	13
Table 5: Asia-Pacific Mobile Handset Sales by Handset Type, 2016-2021	14
Figure 5: Asia-Pacific Mobile Handset Sales by Handset Type, 2016-2021 (units).....	14
Smartphone Sales Forecast by Operating System.....	14
Table 6: Asia-Pacific Mobile OS Sales Forecast, 2016-2021 (units)	15
Figure 6: Asia-Pacific Mobile OS Sales Forecast, 2016-2021 (units).....	15
Table 7: Asia-Pacific Mobile OS Sales Forecast, 2016-2021 (Percentage Share).....	16
Figure 7: Asia-Pacific Mobile OS Forecast, 2016-2021 (Percentage Share).....	16
Asia-Pacific Tablet Sales Forecast: 2016-2021	17
Tablet Sales Forecast Assumptions	17
Tablet Sales Forecast	20
Table 8: Asia-Pacific Tablet Sales, 2016-2021 (units)	20
Figure 8: Asia-Pacific Tablet Sales, 2016-2021 (units)	20
Tablet Sales by Operating System	20
Table 9: Asia-Pacific Tablet Sales by OS, 2016-2021 (units)	21
Figure 9: Asia-Pacific Tablet Sales by OS, 2016-2021 (units)	21
Table 10: Asia-Pacific Tablet OS Sales Forecast, 2016-2021 (Percentage Share)	22

Quoting information from an iGillottResearch publication: external – any iGillottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from iGillottResearch. iGillottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from iGillottResearch. The use of large portions or the reproduction of any iGillottResearch document in its entirety does require prior written approval and may have some financial implications.

Copyright © 2017 iGillottResearch, Inc. Reproduction is forbidden unless authorized.

FOR INFORMATION PLEASE CONTACT IAIN GILLOTT (512) 263-5682.

Figure 10: Asia-Pacific Tablet OS Sales Forecast, 2016-2021 (Percentage Share)	22
Tablet Sales by Form Factor	22
Table 11: Asia-Pacific Tablet Sales by Form Factor, 2016-2021	23
Figure 11: Asia-Pacific Tablet Sales by Form Factor, 2016-2021	23
Tablet Sales by Connectivity Option	23
Table 12: Asia-Pacific Tablet Sales by Connectivity Option, 2016-2021	24
Figure 12: Asia-Pacific Tablet Sales by Connectivity Option, 2016-2021	24
Asia-Pacific Mobile Data Usage Trends by Mobile Operator	25
Axiata Group	25
China Mobile	26
Table 13: China Mobile Customer and Network Statistics	27
China Unicom	27
China Telecom	28
Table 14: China Telecom Customer and Network Statistics	28
Idea Cellular	28
Ooredoo	29
Reliance Communications	29
SingTel Group	30
Vimpelcom	30
Table 15: Vimpelcom Pakistan	31
Table 16: Vimpelcom Bangladesh	31
Vodafone	31
Mobile Data Traffic Forecast Methodology	33
Connections, not Subscribers	34
Quartiles	34
Asia-Pacific Mobile Data Traffic Forecast, 2016-2021	36
Table 17: Asia-Pacific Connections, Population, and Penetration, 2016-2021	36
Figure 13: Asia-Pacific Connections and Population, 2016-2021(000)	37
Table 18: Connections per Quartile in Asia-Pacific, 2016-2021	37
Table 19: Per-Connection Mobile Data Use (MB/month) in Asia-Pacific, 2016-2021	38
Figure 14: Per-Connection Mobile Data Use (MB/month) in Asia-Pacific, 2016-2021	39
Table 20: Total Mobile Data Traffic (TB/month) in Asia-Pacific, 2016-2021	39
Figure 15: Total Mobile Data Traffic (TB/month) in Asia-Pacific, 2016-2021	40
Table 21: Percentage of Mobile Data Traffic by Quartile in Asia-Pacific, 2016-2021	40
Figure 16: Percentage of Mobile Data Traffic by Quartile in Asia-Pacific, 2016-2021	41
Definitions	42
General	42
Device Types	42
Services	43
Network Technology	44
About iGR	49
Disclaimer	49

Quoting information from an iGillottResearch publication: external — any iGillottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from iGillottResearch. iGillottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from iGillottResearch. The use of large portions or the reproduction of any iGillottResearch document in its entirety does require prior written approval and may have some financial implications.

Copyright © 2017 iGillottResearch, Inc. Reproduction is forbidden unless authorized.

FOR INFORMATION PLEASE CONTACT IAIN GILLOTT (512) 263-5682.

Quoting information from an iGillottResearch publication: external — any iGillottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from iGillottResearch. iGillottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from iGillottResearch. The use of large portions or the reproduction of any iGillottResearch document in its entirety does require prior written approval and may have some financial implications.

Copyright © 2017 iGillottResearch, Inc. Reproduction is forbidden unless authorized.

FOR INFORMATION PLEASE CONTACT IAIN GILLOTT (512) 263-5682.

Abstract

Mobile subscribers in most corners of the vast Asia-Pacific region increasingly depend on a variety of mobile devices, including smartphones, tablets and even connected cars in some markets, to stay connected. At the same time, they are increasing their usage of mobile data.

This market study overviews the Asia-Pacific mobile market and includes detailed information and a five-year forecast for the following areas of the market:

- Mobile Connections
- Smartphone Sales
- Tablet Sales
- Mobile Data Traffic.

Key questions addressed:

- What is the population of the Asia-Pacific region and what is its mobile penetration?
- How many mobile connections exist and how are they expected to grow between 2016 and 2021?
- What is the split of those connections by technology type (GSM, CDMA, UMTS/HSPA, LTE and IMT-2020) and generation (2G, 3G, 4G and 5G)?
- What are the anticipated global handset and smartphone sales for 2016 to 2021?
- What are the anticipated tablet sales for 2016 to 2021?
- What is mobile data usage today and at what rate is mobile data usage expected to grow over the forecast period?
- How does mobile data usage differ between quartiles?

Who should read this report?

- Mobile operators
- Device OEMs
- Mobile infrastructure and equipment OEMs
- Content providers and distributors

Quoting information from an iGillottResearch publication: external — any iGillottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from iGillottResearch. iGillottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from iGillottResearch. The use of large portions or the reproduction of any iGillottResearch document in its entirety does require prior written approval and may have some financial implications.

Copyright © 2017 iGillottResearch, Inc. Reproduction is forbidden unless authorized.

FOR INFORMATION PLEASE CONTACT IAIN GILLOTT (512) 263-5682.

- Financial analysts and investors.

Quoting information from an iGillottResearch publication: external — any iGillottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from iGillottResearch. iGillottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from iGillottResearch. The use of large portions or the reproduction of any iGillottResearch document in its entirety does require prior written approval and may have some financial implications.

Copyright © 2017 iGillottResearch, Inc. Reproduction is forbidden unless authorized.

FOR INFORMATION PLEASE CONTACT IAIN GILLOTT (512) 263-5682.