

**Global Mobile
Connections
Forecast, 2018 –
2023: *5G has arrived***

Market Study
First Quarter 2019





Global Mobile Connections Forecast, 2018 – 2023: *5G has arrived*

A Market Study

Published First Quarter, 2019
Version 1.0
Report Number: 1Q2019-01

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

Table of Contents

Abstract	1
Executive Summary	2
Table A: Worldwide Connections, Population, and Penetration, 2018-2023.....	2
Figure A: Worldwide Connections and Population, 2018-2023(000)	3
Table B: Worldwide Connections by Technology Generation, 2018-2023 (000)	3
Figure B: Worldwide Connections by Technology Generation, 2018-2023 (000)	4
What This Means	4
Methodology	5
5G Model Assumptions	5
Introduction	6
Regions	6
Defining 5G	7
Figure 1: 5G Capabilities	7
Worldwide Overview	8
Table 1: Worldwide Connections, Population, and Penetration, 2018-2023	8
Figure 2: Worldwide Connections and Population, 2018-2023(000)	8
Table 2: Connections by Region, 2018-2023 (000).....	9
Figure 3: Connections by Region, 2018-2023 (000).....	10
Table 3: Share of Connections by Region, 2018-2023 (percent)	10
Figure 4: Share of Connections by Region, 2018-2023 (percent).....	11
Table 4: Worldwide Connections by Technology Generation, 2018-2023 (000).....	11
Figure 5: Worldwide Connections by Technology Generation, 2018-2023 (000)	12
Table 5: Worldwide Connections by Technology, 2018-2023 (000).....	13
Figure 6: Worldwide Connections by Technology, 2018-2023 (000)	14
North America	15
Table 6: North America Connections, Population, and Penetration, 2018-2023	15
Figure 7: North America Connections and Population, 2018-2023 (000)	15
Table 7: North America Connections by Technology Generation, 2018-2023 (000).....	16
Figure 8: North America Connections by Technology Generation, 2018-2023 (000)	17
Table 8: North America Connections by Technology, 2018-2023 (000).....	18
Figure 9: North America Connections by Technology, 2018-2023 (000).....	19
Latin America and Caribbean	20
Table 9: Latin America Connections, Population, and Penetration, 2018-2023.....	20
Figure 10: Latin America Connections and Population, 2018-2023 (000)	20
Table 10: Latin America Connections by Technology Generation, 2018-2023 (000)	21
Figure 11: Latin America Connections by Technology Generation, 2018-2023 (000)	22
Table 11: Latin America Connections by Technology, 2018-2023 (000)	23
Figure 12: Latin America Connections by Technology, 2018-2023 (000)	24

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 © 2019 iGillottResearch, Inc. Reproduction is forbidden unless authorized.

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

Europe	25
Table 12: Europe Connections, Population, and Penetration, 2018-2023	25
Figure 13: Europe Connections and Population, 2018-2023 (000)	25
Table 13: Europe Connections by Technology Generation, 2018-2023 (000)	26
Figure 14: Europe Connections by Technology Generation, 2018-2023 (000).....	27
Table 14: Europe Connections by Technology, 2018-2023 (000)	27
Figure 15: Europe Connections by Technology, 2018-2023 (000).....	28
Middle East and Africa	29
Table 15: Middle East and Africa Connections, Population, and Penetration, 2018-2023 ...	29
Figure 16: Middle East and Africa Connections and Population, 2018-2023 (000).....	30
Table 16: Middle East and Africa Connections by Technology Generation, 2018-2023 (000)	
.....	30
Figure 17: Middle East and Africa Connections by Technology Generation, 2018-2023 (000)	
.....	31
Table 17: Middle East and Africa Connections by Technology, 2018-2023 (000)	32
Figure 18: Middle East and Africa Connections by Technology, 2018-2023 (000)	32
Asia-Pacific	33
Table 18: Asia-Pacific Connections, Population, and Penetration, 2018-2023	33
Figure 19: Asia-Pacific Connections and Population, 2018-2023 (000).....	34
Table 19: Asia-Pacific Connections by Technology Generation 2018-2023 (000)	35
Figure 20: Asia-Pacific Connections by Technology Generation, 2018-2023 (000)	35
Table 20: Asia-Pacific Connections by Technology, 2018-2023 (000)	36
Figure 21: Asia-Pacific Connections by Technology, 2018-2023 (000)	37
Definitions	38
Definitions Table	38
About iGR.....	58
Disclaimer	58

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 © 2019 iGillottResearch, Inc. Reproduction is forbidden unless authorized.

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

Abstract

Mobile subscribers worldwide increasingly depend on a variety of mobile devices to stay connected. In addition to a mobile phone or smartphone, a subscriber can connect through a tablet or, increasingly, through an embedded modem in a connected car or another device. Connected devices in the expanding Internet of Things (IoT) also contribute to the growing number of mobile connections.

In this market study *iGR* forecasts the total number of mobile connections in the world over the next five years. The forecast breaks out the connections by worldwide region (Asia-Pacific, Europe, Latin America, Middle East and Africa, and North America), air interface technology, and technology generation.

Key questions addressed:

- How many wireless connections are there globally and in each major geographic region?
- What is the split of those connections by technology type – both air interface (GSM, CDMA, UMTS/HSPA, LTE, 5G) and generation (2G 3G, 4G, 5G)?
- How quickly will the number of 5G connections grow?
- Which regions will see significant growth in 5G connections throughout the forecast period?

Who should read this report?

- Mobile operators
- Device OEMs
- Mobile infrastructure and equipment OEMs
- Content providers and distributors
- 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 © 2019 *iGillottResearch*, Inc. Reproduction is forbidden unless authorized.

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