Gigabit LTE
a global phenomenon

43
Operators
With gigabit LTE planned, trialed or deployed

25
Countries
Across four continents

16
Gigabit LTE devices
Commercially launched, including 10 smartphones

Source: Qualcomm Technologies internal analysis, GSA “Snapshot: LTE-Advanced Networks including LTE-Advanced Pro” report, May 2017, GSMA Intelligence, Sept. 17
Gigabit LTE. Only on Android

Great apps are even better with Gigabit LTE

LG V30
Moto Z Force Edition
Samsung Galaxy S8 / S8+
Samsung Galaxy Note 8
Samsung Galaxy S8 Active

Google Drive
Google Photos
YouTube
Google Play Music
Gigabit LTE

The foundation of the 5G mobile experience

X16
LTE modem
Qualcomm Snapdragon is a product of Qualcomm Technologies Inc.

835

Mobile Platform

World’s first 10nm processor
Over 3 billion transistors
World’s first integrated Gigabit LTE modem
Foundations for Gigabit LTE

- Carrier aggregation
- 4x4 MIMO
- 256 QAM
- Licensed - Assisted Access (LAA)
Benefits to the Gigabit LTE user

Benefits beyond theoretical speeds

Benefits to everyone else in the network
Gigabit LTE

Do more, faster, in more places

Faster connections in congested areas

Double the antennas for a stronger signal

Epic speed for connected apps, cloud access to files

Make the most of unlimited data
Faster speeds for next-gen experiences

Immersion beyond the flat screen

>2.5x

Cat 12 LTE Advanced Phone  Gigabit LTE Phone

Improving everyday video experience

Smother, virtually buffer-free even in weak signal

- Cat 12 LTE Advanced Phone
- Gigabit LTE Phone

Source: 3rd party testing by Signals Research Group. More detailed results available here:
Faster access to cloud files

Reducing wait time and improving productivity

>27% faster

Cat 12 LTE Advanced Phone  Gigabit LTE Phone

Median throughputs source: QTI simulation. Random read speed for flash memory data obtained from storage benchmarking of a premium-tier late 2016 device with Snapdragon 820.
The cure for network congestion

Gigabit LTE devices use a fraction of the network resources used by other LTE devices

Comparison of network resources needed to complete task

- Cat 12 LTE Advanced Phone
- Gigabit LTE Phone

- File download - strong signal: 34% fewer
- File download - weak signal: 43% fewer
- Video streaming - weak signal: 33% fewer
Continuing to evolve Gigabit LTE
Leading the world to 5G
Thank you

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