

# Performance Dashboard for SM8250.LA.1.0 LPDDR4 (Linux Android Q CS Release)

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## Revision history

Revision	Date	Description
A	December 2019	Initial release
B	December 2019	Updated Section 2.2.10
C	February 2020	Updated the following sections: <ul style="list-style-type: none"><li>▪ <a href="#">2.2.1</a></li><li>▪ <a href="#">2.2.4</a></li><li>▪ <a href="#">2.2.8</a></li><li>▪ <a href="#">2.2.9</a></li><li>▪ <a href="#">2.2.10</a></li></ul>

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# 1 Introduction

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## 1.1 Purpose

This document provides the performance dashboard test reports for the SM8250.LA.1.0 LPDDR4 (Linux Android Q CS Release).

## 1.2 Conventions

Shading indicates content that has been added or changed in this revision of the document.

## 1.3 Technical assistance

For assistance or clarification on information in this document, submit a case to Qualcomm Technologies, Inc. (QTI) at <https://createpoint.qti.qualcomm.com/>.

If you do not have access to the CDMATech Support website, register for access or send email to [support.cdmatech@qti.qualcomm.com](mailto:support.cdmatech@qti.qualcomm.com).

## 2 Performance dashboard reports

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### 2.1 Device configuration

Chipset	SM8250 Q
CPU	1 x 2.84Ghz 3 x 2.42Ghz 4 x 1.80Ghz 7 nm
GPU	Adreno 650 587Mhz
Memory	LPDDR4 6GB 2.1Ghz
Display	2.5K (1440 x 2560) 60Hz
Android	Android Q

## 2.2 SM8250 LA1.0 LPDDR4 CS release

### 2.2.1 Boot time

Time in sec (~)	SM8250 Q
Boot time (log base)	9.01

NOTE: ~ indicates low is better performance.

### 2.2.2 Scroll performance (Stock UI)

FPS	SM8250 Q
Contact Scroll	60
Home Screen Plan	60
Apps List	60
Email	60
SMS Scroll	60
Recent App List Scroll (SWP)	60
Notification Bar SWP	60
Notification Bar (LWP)	60

### 2.2.3 Scroll performance (Global market applications)

FPS	Application version	SM8250 Q
Photos	4.19.0.254093387	60
Browser (Chrome)	75.0.3770.101	60
Gmail	2019.05.26.252424914.rel	60
Twitter	224.0.0.33.114	60
Facebook	8.1.0-rel	60

### 2.2.4 Scroll performance (China applications)

FPS	Application version	SM8250 Q
微信 (Wechat)	v7.0.5	60
UC浏览器 (UC Browser)	v12.5.9.1039	60
淘宝 (Taobao)	v8.9.0	60
腾讯视频 (Tencent Video)	v7.2.0.19720	60
快手 (Kuaishou)	v6.5.6.9739	60

## 2.2.5 Launch latencies (Stock/OEM specific applications)

Application (ms)	Application version	SM8250 Q
Photos	4.19.0.254093387	337
Camera	2.02.032/2.02.046	552
Contacts	1.7.31	438
Messages	4.4.076	432
Play Music	8.20.8059-1.N	1059
Browser (Chrome)	75.0.3770.101	329

## 2.2.6 Launch latencies (Global market applications)

Application (ms)	Application version	SM8250 Q
Gmail	2019.05.26.252424914.rel	773
Maps	10.18.2	578
Facebook	224.0.0.33.114	341
Twitter	8.1.0-rel	626
Settings	v10	329

## 2.2.7 Launch latencies (China applications)

Application (ms)	Application version	SM8250 Q
微信 (Wechat)	v7.0.5	1400
UC浏览器 (UC Browser)	v12.5.9.1039	746
淘宝 (Taobao)	v8.9.0	646
抖音 (Douyin)	v8.0.0	958
王者荣耀 (KoH)	v1.46.1.27	8423
和平精英 (GP)	v1.3.6.8173	15772

## 2.2.8 System benchmark

Benchmark	Application version	SM8250 Q
AnTuTu 7	7.1.5	449318
AnTuTu 8	8.0.6	534198
Geekbench4 ST	4.3.3	4240
Geekbench4 MT	4.3.3	13323
Geekbench5 ST	5.0.2	936
Geekbench5 MT	5.0.2	3454
PC Mark	2.0	10016

## 2.2.9 Browser benchmark

Benchmark	Application version	SM8250 Q
Kraken~	1.1	1950
Jet Stream	1.1	119
Speedometer	2.0	75

NOTE: ~ indicates low is better performance.

## 2.2.10 Graphic benchmark

Benchmark	SM8250 Q
GFX Benchmarks 5.0 - Manhattan (1080p - offscreen) 3.0 (fps)	126
GFX Benchmarks 5.0 - T-Rex (1080p - offscreen) (fps)	204
GFX Benchmarks 5.0 - Manhattan (1080p - offscreen) 3.1 (fps)	88
GFX Benchmarks 5.0 - Car Chase (1080p - offscreen) (fps)	51
3DMark Ice Storm Unlimited Graphics	143007