Qualcomm
Qualcomm Technologies, Inc.

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

80-PK882-160 Rev. C

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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: ▪ 2.2.1 ▪ 2.2.4 ▪ 2.2.8 ▪ 2.2.9 ▪ 2.2.10

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1 Introduction

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.

2 Performance dashboard reports

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