Qualcomm® Snapdragon™ 660 Mobile Hardware Development Kit

Solution Highlights

Materials are subject to change without notice.

87-PD101-1 Rev B

Comprehensive and expandable development and evaluation kit for the Snapdragon 660 mobile processor.

The Snapdragon 660 Mobile Hardware Development Kit provides an open-frame solution for technology companies to integrate and innovate devices based on the Snapdragon 660 mobile processor.

The Snapdragon 660 Mobile Hardware Development Kit is a highly integrated Android/Linux development platform that is designed to provide an ideal starting point for creating high-performance mobile devices and applications based on Snapdragon 660 series technology. The kit includes the hardware, software tools and accessories needed to immediately begin your mobile development work.

With an advanced 14-nanometer design, the Snapdragon 660 Mobile Platform can support phenomenal mobile performance. It uses 15% less power than its predecessor, includes premium camera capabilities, and is software compatible with the Snapdragon 630 Mobile Platform. The Snapdragon 660 Mobile Platform utilizes the Qualcomm® Kyro™ CPU with semi-custom architecture, the new Qualcomm® Adreno™ 512 GPU for unprecedented gaming experiences, and Qualcomm All-Ways Aware™ Sensor Technology.

The Snapdragon 660 mobile development platform is designed to provide original equipment manufacturers (OEMs), hardware/software vendors, developers and engineers with next generation technology and tools to accelerate development and testing of devices.

Kit Contents

- Processor Card with SDA660
- Mini-ITX carrier board
- 12V AC power adapter
- Battery (optional)
- Charger
- USB cable
- Setup guide

Display Adapter Card and Camera Card are additional accessories

Development Platform

DC Input (12V)  Type C USB  NFC Expansion

Volume  Wi-Fi Antenna  Power Switch

Audio Card Connectors  JTAG  SDA660 Processor Card

AMOLED 5.7" display with Touch Panel  Sensor Expansion  Camera Card Connectors

Display Adapter Card and Camera Card are additional accessories

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The Snapdragon 660 Processor Card measuring 60mm x 70mm is where all the processing occurs. It is connected to the carrier via two 240-pin high speed board-to-board connectors. A top side heat sink and a bottom side heat conductive metal plate provide thermal protection.

The Processor Card provides the basic common set of features with minimal integration effort. It integrates the following:

- Snapdragon 660 (SDA660) main application processor
- eMCP: 64GB eMMC 5.1 + 6GB LPDDR4x up to 1866MHz
- PM660 + PM660A – PMIC for Peripheral LDOs, Boost Regulators
- SMB1381 Parallel Charger
- WCN3980 Wi-Fi+ BT+ FM combo chip
- WCD9335 Audio Codec

To learn more visit: developer.qualcomm.com