

Qualcomm® Snapdragon™ 855 Mobile Hardware Development Kit

Comprehensive and expandable development and evaluation kit for the Snapdragon 855 Mobile Platform.

The Snapdragon 855 Mobile Hardware Development Kit provides an open-frame solution for technology companies to integrate and innovate devices based on the Snapdragon 855 Mobile Platform.

The Snapdragon 855 Mobile Hardware Development Kit is a feature-rich Android development platform that is designed to provide an ideal starting point for creating high-performance mobile devices and applications based on the Snapdragon 855 Mobile Platform. The kit includes the hardware, software tools and accessories needed to immediately begin your mobile development work.

With an advanced 7-nanometer design, Snapdragon 855 platform is engineered to support long battery life, immersive VR and AR experiences, cutting-edge camera capabilities, artificial intelligence, and Gigabit Class download speeds.

The Snapdragon 855 mobile development platform is designed to provide original equipment manufacturers (OEMs), hardware/software vendors, developers and engineers with next generation software technology and tools to accelerate development and testing of devices.

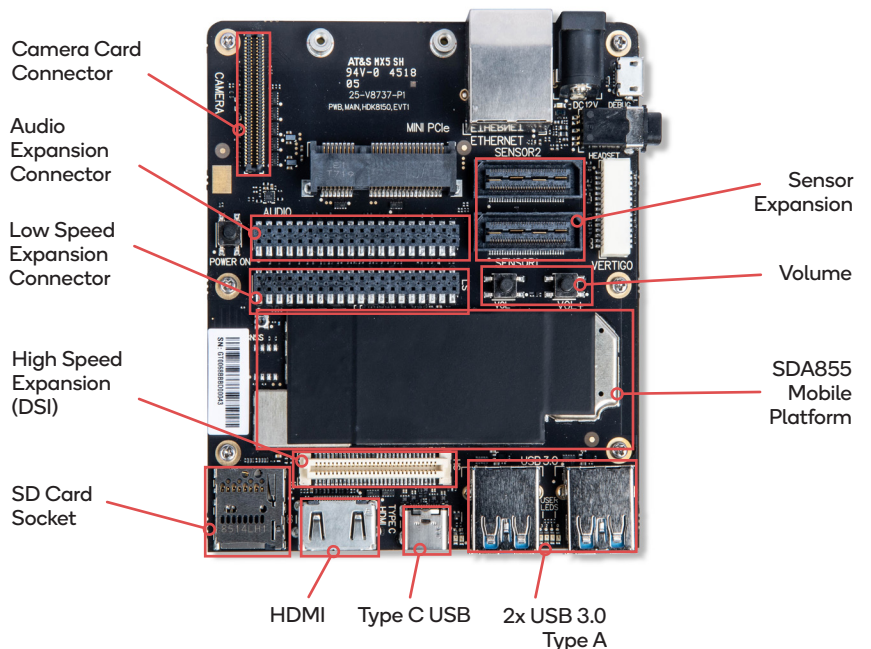
Solution Highlights

Kit Contents

- Single board computer (SBC) with Qualcomm® SDA855
- 12V AC power adapter
- USB cable
- Setup guide

Display Expansion Card is an additional accessory

Development Platform

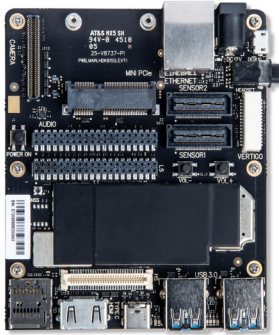




Snapdragon 855 Mobile Platform Applications

- Mobile PC's
- Apps Development
- IP Cameras
- Hexagon DSP
- Smart Phones/Tablets
- Artificial Intelligence

Snapdragon 855 Main Board



The Snapdragon 855 main board measuring 100mm x 185mm, is where all the processing occurs.

Display Expansion Board



The display expansion board includes a QHD TFT LCD display with capacitive touch panel along with audio connectors , NFC connector and SIM card slot.

Snapdragon 855 Specifications

Dimensions	100mm x 185mm (main board)
CPU	Qualcomm® Kryo™ 485 CPU at up to 2.8GHz
GPU	Qualcomm® Adreno™ 640 GPU delivers up to 20% faster graphics rendering
DSP	Qualcomm® Hexagon™ 690 DSP
Memory and Storage	6GB LPDDR4X PoP memory 128GB UFS 2.1
Connectivity	Wi-Fi: 802.11a/b/g/n/ac 2.4/5GHz Bluetooth 5.0 + HS (backward compatible) GNSS (GPS/GLONASS/COMPASS/GALILEO)
Camera Support	Qualcomm Spectra™ 380 Image Sensor Processor 3x MIPI CSI with support for 3D camera configuration
Display	2x MIPI dual 4-lane DSI + touch panel
Multimedia	HDMI 1.4 output - supports up to 4K UHD
I/O Interfaces	1x PCIe, HDMI 1.4, 1x USB 3.1 Type C, 2x USB 3.0 Type A, 1x USB 2.0 micro-B, 3x MIPI-CSI, 2x MIPI dual 4-lane DSI (UART) Expansion headers for additional features
Operating System	Android 9
Optional Accessories	Display: 5.7" TFT QHD (1440 x 2560) with Touch Panel Camera Daughter Card

Qualcomm Hexagon, Qualcomm Adreno, Qualcomm Spectra and Qualcomm Kryo are products of Qualcomm Technologies, Inc. and/or its subsidiaries.

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