

Qualcomm® Snapdragon™ 865 Mobile Hardware Development Kit

Comprehensive and expandable development and evaluation kit for the Snapdragon 865 Mobile Platform.

The Snapdragon 865 Mobile Hardware Development Kit provides an open-frame solution for technology companies to integrate and innovate devices based on the Snapdragon 865 Mobile Platform.

The Snapdragon 865 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 865 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 865 platform is engineered for innovative and intelligent on-device AI, gigapixel speed professional camera quality, desktop quality graphics, and Gigabit Class download speeds.

The Snapdragon 865 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.

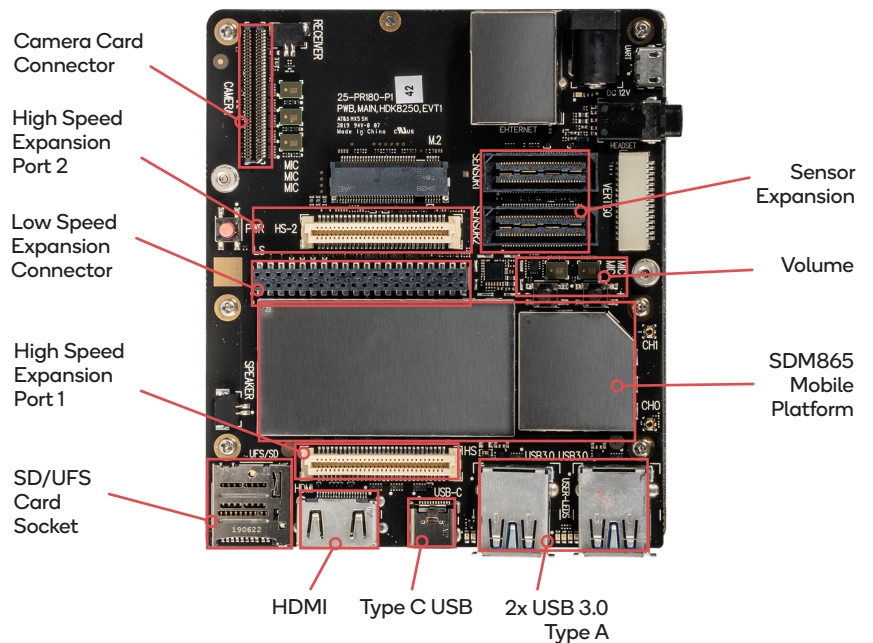
Solution Highlights

Kit Contents

- Single board computer (SBC) with Qualcomm® SDM865
- 12V AC power adapter
- USB cable
- Setup guide

Display Expansion Card is an additional accessory

Development Platform

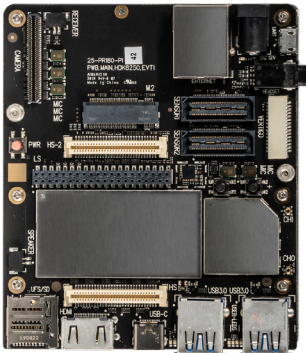




Snapdragon 865 Mobile Platform Applications

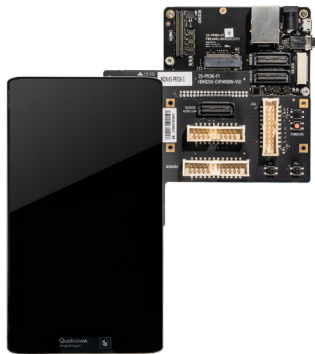
- Mobile PC's
- Apps Development
- IP Cameras
- Hexagon DSP
- Smart Phones/Tablets
- Artificial Intelligence

Snapdragon 865 Main Board



The Snapdragon 865 main board measuring 100mm x 85mm, is where all the processing occurs.

Display Expansion Board



The display expansion board includes a WQHD AMOLED LCD display with capacitive touch panel along with audio connectors, additional sensor connectors and JTAG connector.

Snapdragon 865 Specifications

Dimensions	100mm x 85mm (main board)
CPU	Qualcomm® Kryo™ 585 CPU at up to 2.84GHz
GPU	Qualcomm® Adreno™ 650 GPU delivers up to 25% faster graphics rendering
DSP	Qualcomm® Hexagon™ 698 DSP
Memory and Storage	6GB LPDDR5 PoP memory 128GB UFS 3.0
Connectivity	Wi-Fi: 802.11a/b/g/n/ac/ax 2.4/5GHz Bluetooth 5.0 + HS (backward compatible)
Camera Support	Qualcomm Spectra™ 480 Image Sensor Processor 6x MIPI CSI with support for 3D camera configuration
Display	2x MIPI dual 4-lane DSI + touch panel
Multimedia	HDMI 2.0 output - supports up to 4K UHD
I/O Interfaces	1x PCIe, HDMI 2.0, 1x USB 3.1 Type C, 2x USB 3.0 Type A, 1x USB 2.0 micro-B for UART, 6x MIPI-CSI, 2x MIPI dual 4-lane DSI Expansion headers for additional features
Operating System	Android 10
Optional Accessories	Display: 5.99" AMOLED WQHD (1440 x 2880) with Touch Panel Camera Daughter Card: 20MP Front Camera, 16MP+ 5MP Rear Camera, TOF Sensor

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

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