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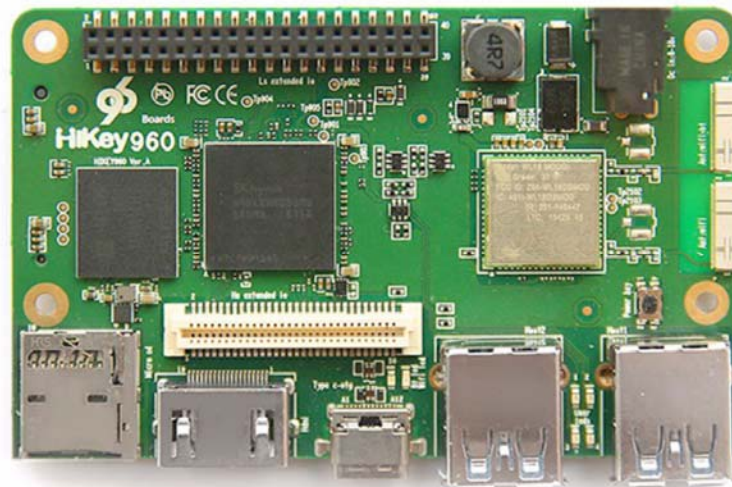
# HiKey 960 Development Board

SKU 113110004



## Description

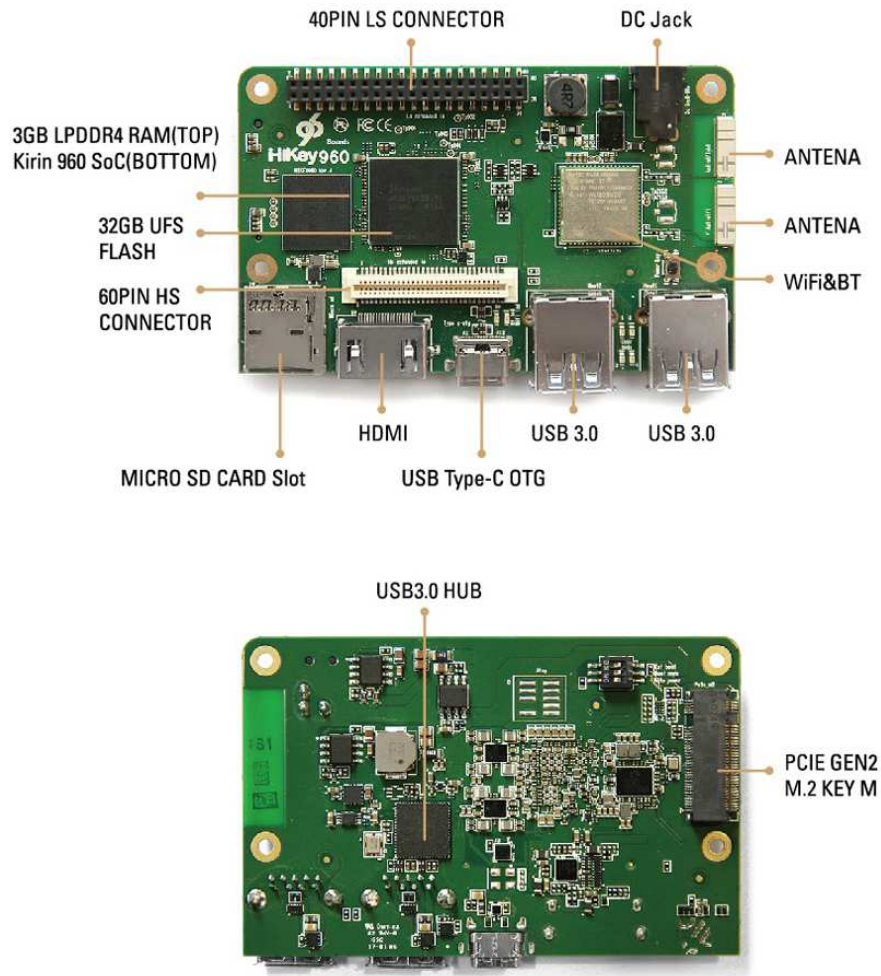
The HiKey 960 is powered by the latest Kirin 960 SoC with four ARM® Cortex®-A73 CPUs (up to 2.3GHz) and four ARM Cortex-A53 CPUs (up to 1.8GHz) configured according to the big.LITTLE™ architecture.



The HiKey 960 is powered by the latest Kirin 960 SoC with four ARM Cortex-A73 CPUs (up to 2.3GHz) and four ARM Cortex-A53 CPUs (up to 1.8GHz) configured according to the big.LITTLE architecture. The integrated Mali™-G71 MP8 GPU in the Kirin 960 SoC gives the HiKey 960 high performance image processing abilities. With 3GB LPDDR4 memory and 32GB UFS flash on board, the HiKey 960 can be used for most embedded applications.

The HiKey 960 has updated the USB Type-A host from USB2.0 to USB3.0 compared to the original HiKey board. In order to enhance the expansion ability, the HiKey 960 includes a PCIE Gen2 on M.2 M Key connector to enable PCIE device connection. The HiKey 960 also includes an updated WiFi module supporting 2.4GHZ single band to 2.4- and 5.0GHz dual band with two antennas.

Android support for the HiKey 960 will be enabled through Android Open Source Project (AOSP). Additional software support will be added through collaboration between Huawei, Linaro and the community.



## Specification

<b>SoC</b>	Kirin 960 SoC
<b>CPU</b>	4*Cortex A73 (up to 2.3GHz) + 4*Cortex A53 (up to 1.8GHz) Big.LITTLE CPU architecture
<b>GPU</b>	ARM Mali G71 MP8, up to 900MHz
<b>RAM</b>	3GB LPDDR4 SDRAM @ 1866MHz
<b>PMU</b>	Hi6421GWCV530 Hi6422GWCV211 Hi6422GWCV212
<b>Sizes</b>	85mm x 55mm

## Features

<b>Storage</b>	32GB UFS flash storage MicroSD card slot (SD3.0, SDR104, up to 2TB)
<b>PCIE</b>	PCIE Gen2 on M.2 M Key connector
<b>Wireless</b>	WiFi (2.4- and 5-GHz dual band with two antennas) Bluetooth 4.1
<b>USB</b>	2 x USB 3.0 type A (host mode only) 1 x USB 2.0 type C OTG
<b>Display</b>	1 x HDMI 1.4 (Type A - full, up to FHD 1080P) 1 x 4L-MIPI DSI (Supports up to 3840 * 2400 @ 60Hz dual MIPI DSI interface LCD screen)
<b>Video</b>	4K @30fps H.265/H264 video hardware encoder H265\HEVC MP/High Tier, Main/High Tier, H.264 BP/MP/HP, MPEG 1/2/4, VC-1, VP6/8, RV8/9/10, DIVX, H265 up to 4K @60fps video hardware decoder

<b>Audio</b>	HDMI output 1 x Tensilica HiFi3.0 DSP audio subsystem
<b>Camera</b>	1 x WiFi activity LED (Yellow) 1 x BT activity LED (Blue) 4 x User LEDs (Green)
<b>Button</b>	Power Button : Button Power on/off & Reset the system
<b>Power Source</b>	Recommend a 12V@2A adapter with a DC plug which has a 4.75mm outer diameter and 1.7mm center pin with standard center-positive (EIAJ-3 Compliant)
<b>OS Support</b>	AOSP/LINUX