

HiKey 960 Development Board - 4GB RAM Version

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- Technical Details
- Reviews
- Questions and Answers
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Best-sellers



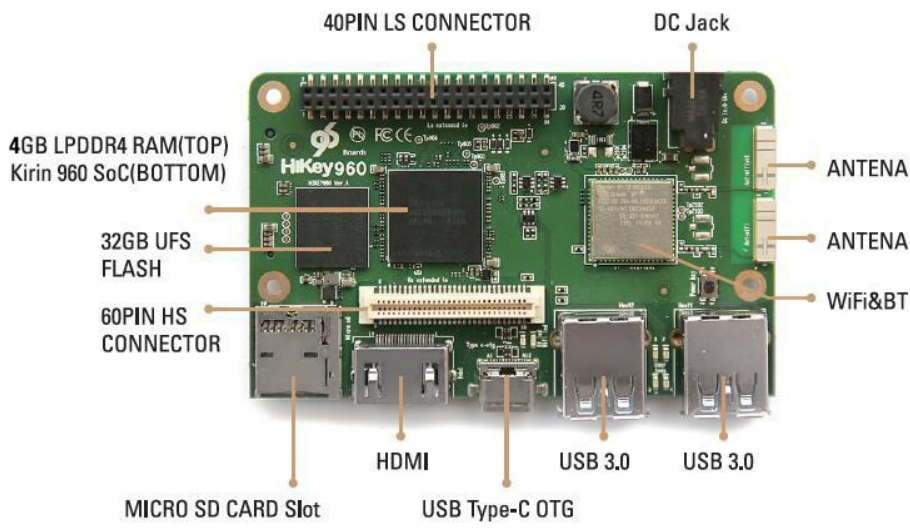
Description

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 integrated Mali™-G71 MP8 GPU in the Kirin 960 SoC gives the HiKey 960 high performance image processing abilities. With 4GB 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.

Hardware layout



Technical Details

Dimensions	85mm x 55mm x 25mm
Weight	G.W 60g
Battery	Exclude
Storage	32GB UFS flash storage; MicroSD card slot (SD3.0, SDR104, up to 2TB)
PCIE	PCIE Gen2 on M.2 M Key connector
Wireless	WiFi (2.4- and 5-GHz dual band with two antennas); Bluetooth 4.1
USB	2 x USB 3.0 type A (host mode only); 1 x USB 2.0 type C OTG
Display	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)
Video	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
Audio	HDMI output; 1 x Tensilica HiFi3.0 DSP audio subsystem
Camera	1 x WiFi activity LED (Yellow); 1 x BT activity LED (Blue); 4 x User LEDs (Green)
Button	Power Button : Button Power on/off & Reset the system
Power Source	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)
OS Support	AOSP

SoC	Kirin 960 SoC
CPU	4*Cortex A73 (up to 2.3GHz) + 4*Cortex A53 (up to 1.8GHz) Big.LITTLE CPU architecture
GPU	ARM Mali G71 MP8, up to 900MHz
RAM	4GB LPDDR4 SDRAM @ 1866MHz
PMU	Hi6421GWCV530 Hi6422GWCV211 Hi6422GWCV212

Part List

HiKey 960 Development Board - 4GB RAM Version	1
Heat sink	1
Instruction Manual	1
Audio extension line	1

Documents

- [Tools for flash OS](#)
- [AOSP build instruction](#)
- [AOSP Support](#)
- [Board configuration for AOSP](#)
- [AOSP kernel](#)
- [Documentation](#)
- [Grove Starter Kit for 96Boards](#)

Reviews



Board itself is good, but power adapter cable is defective (central contact for the female socket is totally missing so it's impossible to power the board with adapter cable supplied). Probably that was the whole bunch of adapter cables defective and other users might get same issues. Works fine with adapter I had from HiKey960 3Gb purchased previously. Definitely cable issue.

February 14, 2018 by [alfishe](#)

Was this review helpful? 0



Seeed Customer Service:

Hi there~ Sorry for the late reply. We have tested the adapter cables in the warehouse and they are good. Please email us techsupport@seeed.cc. We will make it right. Please attach photos or video, that will be helpful. Thanks.



July 22, 2018 by [akos](#)

Was this review helpful? 0



April 20, 2018 by [Honghoon Jang](#)

Was this review helpful? 0



February 28, 2018 by [Anonymous User](#)

Was this review helpful? 0



February 28, 2018 by [Anonymous User](#)

Was this review helpful? 0

Questions and Answers

Have a question about this? Ask people who own it.

0

any development resources, tutorials, ide's for this board

mkrish6671 on Mar 03,2018

Reply | upvote (0)

Hi there~ You can find all of those in the document column. Regards

Seeed Techsupport Team on Jul 25,2018 09:57 AM

Reply | upvote (0)

0

Is there a generic Linux (preferably Debian-based) available or Android only?

Nurichi Guseynov on Feb 24,2018





Reply | upvote (0)

Hi there~ Unfortunately,as far as I know,there is no documents for generic Linux and we have not tested for Linux on this board.Regards

Seeed Techsupport Team on Feb 25,2018 09:20 AM

Reply | upvote (0)

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