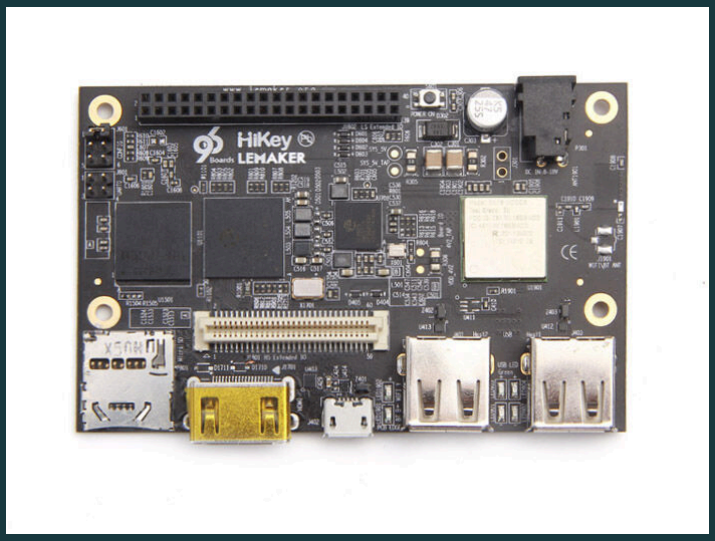
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INDUSTRIAL PRODUCT DATASHEET

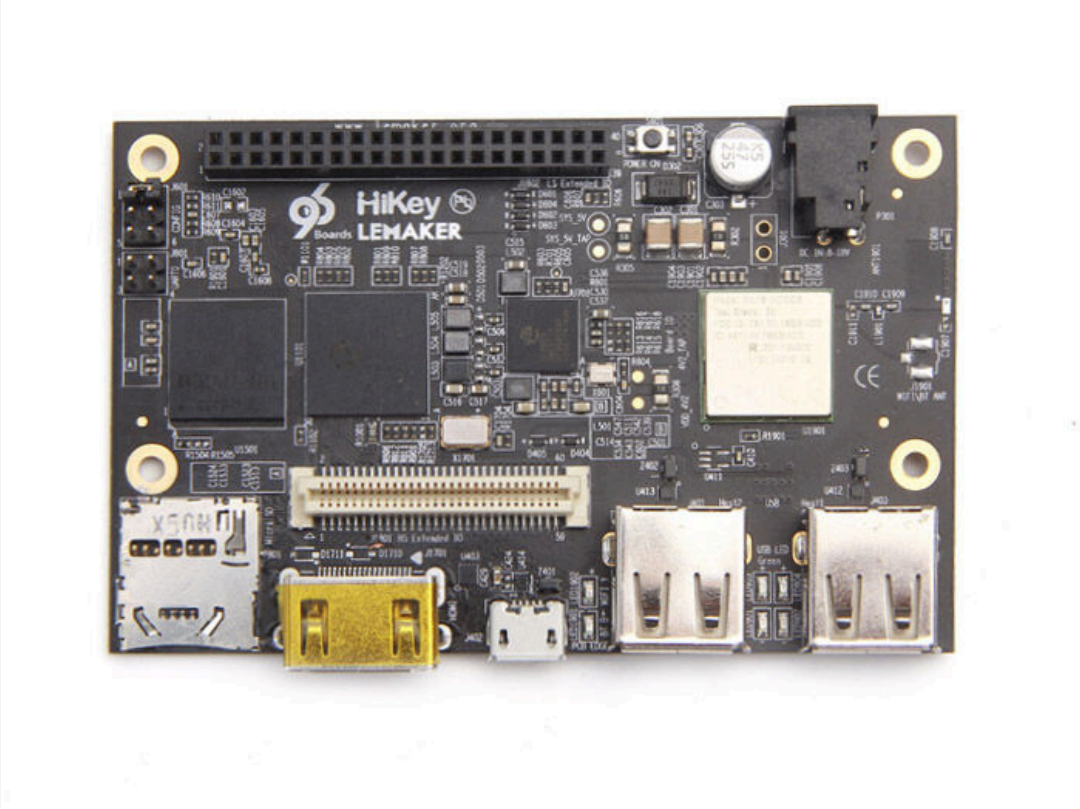
HiKey Board

High performance development platform supporting AOSP,Debian,OpenEmbedded HiSilicon Kirin 6220 eight-core ARM Cortex-A53 64-bit SoC running at 1.2GHz

SKU	UPDATED	PRICE
114990494	2024-08-09 01:54:45	$99.00(Excl. VAT)



Overview



High performance development platform supporting AOSP,Debian,OpenEmbedded HiSilicon Kirin 6220 eight-core ARM Cortex-A53 64-bit SoC running at 1.2GHz

Product Gallery





Specification

SoC	Kirin 620
CPU	ARM® CortexTM-A53 Octa-core 64-bit up to 1.2GHz (ARM v8 instruction set)
GPU	ARM Mali 450-MP4, supporting 3D graphics processing, OpenGL ES 1.1/2.0, OpenVG 1.1, 2000Mega@500 MHz, 110M triangle@500 MHz, and 32G flops@500MHz
RAM	2GB LPDDR3 SDRAM @ 800MHz
PMU	HI6553V100, MicroSD card slot
Storage	8GB eMMC on board storage
Ethernet Port	USB2.0 expansion
Wireless	Wi-Fi 802.11 b/g/n 2.4GHz, Dual-mode bluetooth and bluetooth low energy, HDMI output up to FHD 1080P
USB	2 x USB2.0 Host, 1 x USB 2.0 OTG
Display	1 x HDMI 1.4 (Type A - full), 1 x MIPI-DSI
Video	1080p@30 fps HD video encoding, supporting 1080p@30 fps HD camera, 1080p@30 fps HD video decoding, Supports H.264, SVC, MPEG1/2/4, H.263, VC-1, WMV9, DivX, RV8/9/10, AVS, VP8
Audio	HDMI output
Camera	1 x MIPI-CSI
Expansion Interface	40 pin low speed expansion connector: +1.8V, +5V, SYS_DCIN, GND, UART, I2C, SPI, PCM, PWM,GPIO x12, 60 pin high speed expansion connector: SDIO, MIPI_DSI, MIPI_CSI
LED	1 x WiFi activity LED（Yellow）, 1 x BT activity LED (Blue), 4 x User LEDs (Green)
Power Button	Button Power on/off Reset the system
Power Source	8V~18V@3A, Plug specification is inner diameter 1.7mm and outer diameter 4.8mm
OS Support	Android 4.2/Linux
Size	85mm x 55mm

Part List

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Compliance & Logistics

HSCODE	8471504090

FCC	1
CE	1

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- https://www.seeedstudio.com/HiKey-Board-p-2599.html

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