



Description

The new MediaTek X20 development board is based on the Linaro 96Boards standard. At the board's heart is the MediaTek MT6797 SOC. This SOC features the industry's first tri-cluster, deca-core processing architecture.

To enable the widest range of smart gadgets and IoT devices to be prototyped, the board offers an extensive set of interfaces and connectivity peripherals. This includes interface for cameras, touch-screen displays and MMC/SD cards.

Wireless communication is supported with Wi-Fi and Bluetooth. GPS location acquisition is also included.

This state-of-the-art platform provides industry-leading computing performance coupled with unmatched power efficiency. With this board you can prototype solutions for existing and emerging markets including POS, VR, advanced driver assisted systems (ADAS), digital signage, vending machines and much more.

Features

- MediaTek X20 deca-core processor
- ARM Mali-T880 Graphics Processing Units
- Maximally support 1080P resolution of the screen
- Support the latest Android 6.0 system
- Dual-band AC Wi-Fi, Bluetooth 4.1 and GPS
- A wide variety of expansion ports are included, such as a 60-pin high-speed, 40-pin low-speed, analogue and USB and USB 2.0 micro B to support highly diverse project needs and debugging.

Feature	Specification
Application processor	MediaTek MT6797 SOC with:
	Dual-core ARM Cortex-A72 MPCore™ operating at 2.1GHz to 2.3GHz
	Quad-core ARM Cortex-A53 MPCore™ operating at up to 1.85GHz
	Quad-core ARM Cortex-A53 MPCore™ operating at up to 1.4GHz
	ARM Mail-T880 GPU operating at up to 800MHz
Operating system	Android 6.0
Wi-Fi	802.11 a/b/g/n
Bluetooth	4.1
Location (GNSS)	GPS
USB	2 x USB 2.0 (host mode only)
	USB 2.0 micro B (device mode only)
Low Speed expansion connector	40-pin
	UART, I2C x2, SPI, GPIO x12
	DC power
High Speed expansion connector	60-pin
	4L-MIPI DSI, I2C xB
	4L-MIPI CSI

MediaTek X20 Development Board

SKU 102110080



★★★★☆

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IN STOCK

22 Available

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1

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Analog expansion connector	One 16-pin supporting headset, speaker, FM antenna and more
DDR	2GB LPDDR3
eMMC	8GB EMMC5.1
Memory card slot	Micro SD card slot (SD3.0)
Display	HDMI Type A Port (1080p HD @ 30fps)


Documents

- This product is designed by MTK, If you need any technical support, please contact service@alpha-star.org.


Best-sellers




96Boards UART



BLE Carbon



HiKey Board



LinkIt Smart 7688 Duo

Technical Details

Weight	G.W 150g
Battery	Exclude

Part List

MediaTek X20 Development Board	1
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Reviews

★★★★★

As Good As Test.But, Needs Another ECO , camera,modem,etc

It is good and powerful Device.But, It needs Modem (GSM/LTE support, USIM adds) part, Additonal Camera >12MPix .There's no additional components. so, It's just testing the AP only.It cannot powered by its own great performances, no other eco parts.

Jan 04,2017 by [trustfarm.info](#)

Korea, Republic of

Was this review helpful ? 1

Questions and Answers

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

0

what software package arrives with the board ?any mediatek customizations for android tree supplied ?
thanks

efraim on Dec 13,2016

Reply

upvote (0)

Hello. I am sorry that we don't know much about this board, please contact the designer service@alpha-star.org. for more details. Thanks.

ae on Dec 15,2016 10:21 AM

Reply

upvote (0)

0

What is the smallest touch screen (with X20 drivers) you have for this board? Thanks!


gravklot on May 03,2017

Reply


upvote (0)

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View History




Seeeduino Mega



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