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# Description

Category

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.

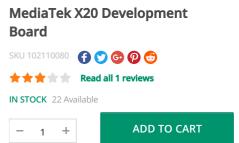
Wireless communication is supported with Wi-Fi and Bluetooth. GPS location acquisition is also included.

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	
Lligh Canad	60-pin	
High Speed expansion connector	4L-MIPI DSI, I2C xB	
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Description

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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**









## **Technical Details**

Weight	G.W 150g
Battery	Exclude

#### Part List

MediaTek X20 Development Board

#### 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.



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

efraim on Dec 13,2016



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

ae on Dec 15,2016 10:21 AM

Reply | \times upvote (0)



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

gravklot on May 03,2017

Reply | Upvote (0)

# **View History**









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