

深圳金亚太科技有限公司  
Shenzhen Geniatech Co.,Ltd.

# SPECIFICATION

MODEL:DB5

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## Revision History

VERSION	DATE	BOARD ID	PAGE	DESCRIPTION	AUTHOR
V1.0	2017/11/15				Rocky
V1.1	2018/08/13				Rocky
V1.2	2018/12/15				Rocky

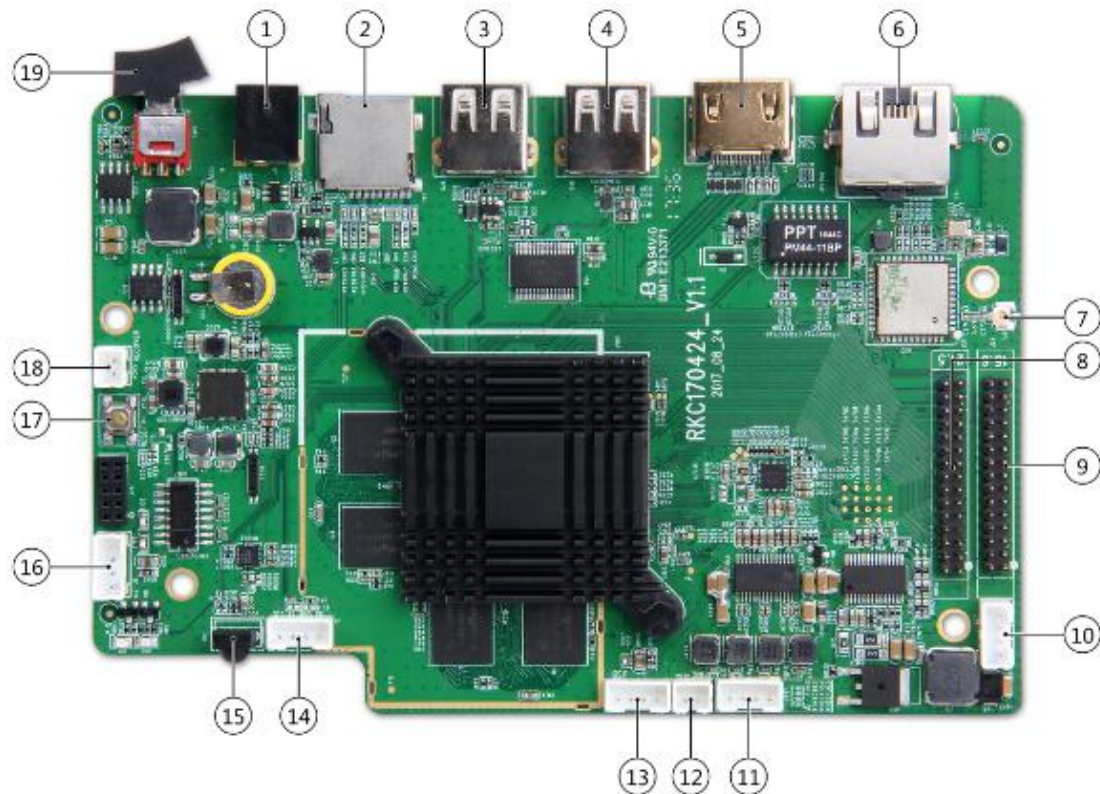
## 1. GENERAL DESCRIPTION

DB5 is an Android Customized Board with below new features:

- (I) can support LVDS/EDP interface LCD Panel
- (II) Quad Core Cortex A17 @1.8GHz, support Android 5.1 OS/Linux
- (III) 2GB RAM, 8GB eMMC , external expansion storage SD card (max. 64GB)
- (IV) Plastic frame, support wall mount and desktop
- (V) USB, SD, TF external storage, support 4K play
- (VI) Built-in WiFi, 100M LAN interface
- (VII) Designed for retail, interactive communication

## 2.1 PRODUCT PICTURE

Below pictures are for reference only, please prevail in kind.

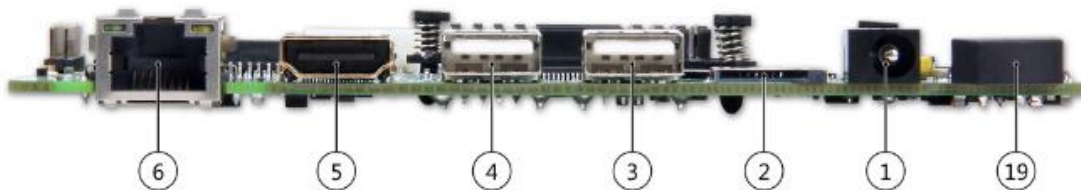


No.	Name	Description
1	DC IN	12V
2	SD	SD card *1(max 64GB)
3	USB OTG	USB OTG2.0*1(support USB upgrade)
4	USB Host	USB Host 2.0*1
5	HDMI OUT	HDMI out*1
6	RJ45	Ethernet 10/100M
7	WIFI Jack	WIFI Jack*1

8	LVDS	For 21.5'' 27'' 32'' 55'' Panel
9	EDP	For 15.6''(30Pin)
10	Backlight Jack	4Pin2.0mm
11	Speaker Jack	4Pin2.0mm
12	Mic Jack	2Pin2.0mm
13	Touch screen Jack	4Pin2.0mm
14	Debug Jack	4Pin2.0mm
15	IR Receiver	IR Receiver*1
16	RS232 Jack	4Pin2.0mm
17	Reset Button	Reset Button*1
18	Receiver Jack	2Pin2.0mm
19	Power Button	Power Button*1

## 2.2 BOARD FRONT VIEW

No.	Name	Description
1	DC IN	12V
2	SD	SD card *1( max 64GB )
3	USB OTG	USB OTG2.0*1(support USB upgrade)
4	USB Host	USB Host 2.0*1
5	HDMI OUT	HDMI out*1
6	RJ45	Ethernet 10/100M
19	Power Button	Power Button*1



## 3.FEATURES

CHIPSET	Rockchip RK3288	
MARKET AREA	Global	
OSD LANGUAGE	English/Chinese (multi language OSD)	
Processor	OS	Android 5.1
	CPU	Quad Core A17r4 CPU @ 1.8GHz
	GPU	Mali T764MP
	DDR	2GB

		EMMC FLASH	8GB (16G/32G Optional)
Can support Panel		Panel type	TFT LCD
		Interface	LVDS / EDP
		Resolution(Max)	1920*1080
		Voltage	3.3 V
NETWORK	Ethernet	RJ45, 10/100M	
	WiFi	802.11.b/g/n	
	Bluetooth	BT4.1 (Optional )	
	3G/4G	Option	
Standby Power		<0.5W	
Interface		SD	SD card *1(max. 64GB)
		HDMI	HDMI out*1
		USB Host	USB Host 2.0*1
		USB OTG	USB OTG 2.0*1
		DC IN	DC IN*1
Master Carton		142*94*11 mm , 1pcs/carton	
Adapter		DC12V / 3A	
Accessory		Adapter*1	
Customizable GUI		We provided GUI customization and we have a vast collection of Launcher created by our R&D team for you to choose from.	
Rich Applications		There are over 1 million applications in the market, and supports most famous applications like: Youtube, Facebook, and Twitter, etc..	

#### 4.Support Formats

Media Remark	Codec	Remark
VIDEO	MPEG-1	up to MP:1080p@60fps (1920x1088)
	MPEG-2	up to MP : 1080p@60fps (1920x1088)
	MPEG-4	up to ASP level 5 : 1080p@60fps (1920x1088) GMC(global motion compensation)not supported
	H.263	576p@60fps(720x576)
	H.264	up to HP level 5.1 : 2160p@24fps (3840x2160) image cropping not supported
	H.265	4K@60fps (4096x2304)
	VC-1	up to AP level 3 : 1080p@30fps (1920x1088)
	VP8	1080p@60fps (1920x1088)
	MVC	1080p@60fps (1920x1088)
AUDIO	MP3/WMA/AAC etc.	
PHOTO	Jpeg, jpg	

## **5.Precautions for use**

- 1.Relative humidity:  $\leq 80\%$  .
- 2.Storage temperature:-10 ~ 60 °C
- 3.Operation temperature:0~ +40°C
- 4.Do not squeeze ,distort or disassemble the PC.
- 5.Keep the Borad away from static electricity .
- 6.Keep the Board away from water and other liquid.
- 8.Don't use long connect wires which may affect performance and image quality.