

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

# SPECIFICATION

MODEL:TPC2150K

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## Revision History

VERSION	DATE	BOARD ID	PAGE	DESCRIPTION	AUTHOR
V1.0	2017/11/15				
V1.1	2017/11/30			Os 7.1	

## 1. GENERAL DESCRIPTION

TPC2150K is an Android Customized Tablet PC with below new features:

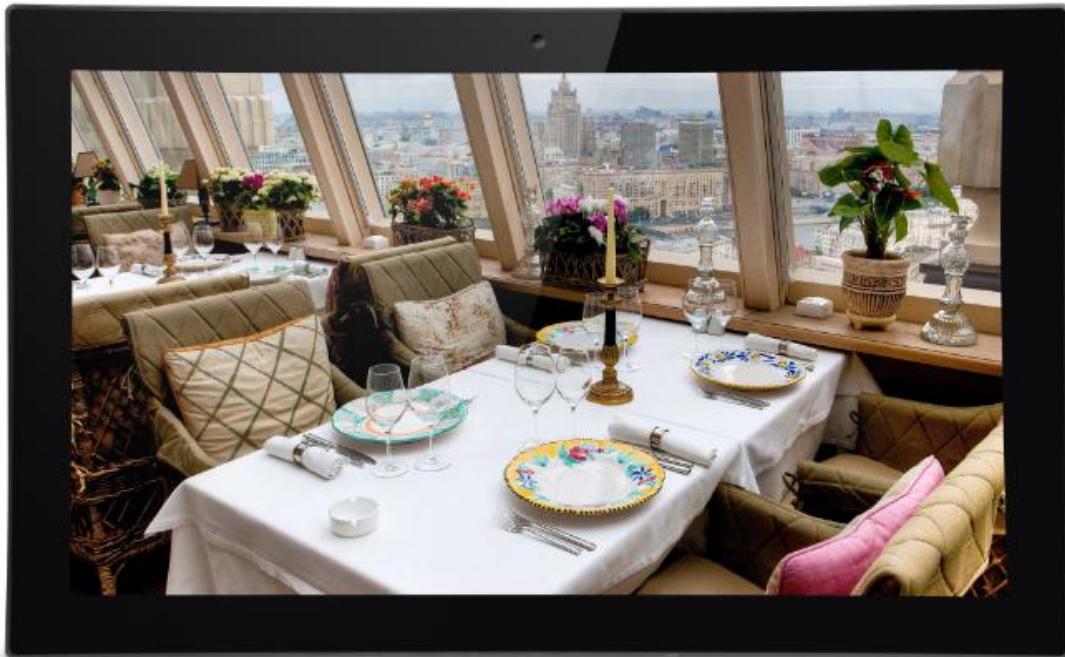
- (I) 21.5" color TFT LCD, 10points projected capacitive touch screen
- (II) Quad Core Cortex A17 @1.8GHz, Android 7.1 OS
- (III) 2GB RAM, 8GB eMMC flash, external expansion storage TF card (max. 32GB)
- (IV) Plastic frame, support wall mount and desktop
- (V) USB, SD, TF external storage, support program playback
- (VI) Built-in WiFi, LAN interface and Front 2.0mp camera(optional)
- (VII) Designed for retail, interactive communication

\*1.TPC2150K can support 16G/32G EMMC (16G/32G Optional)

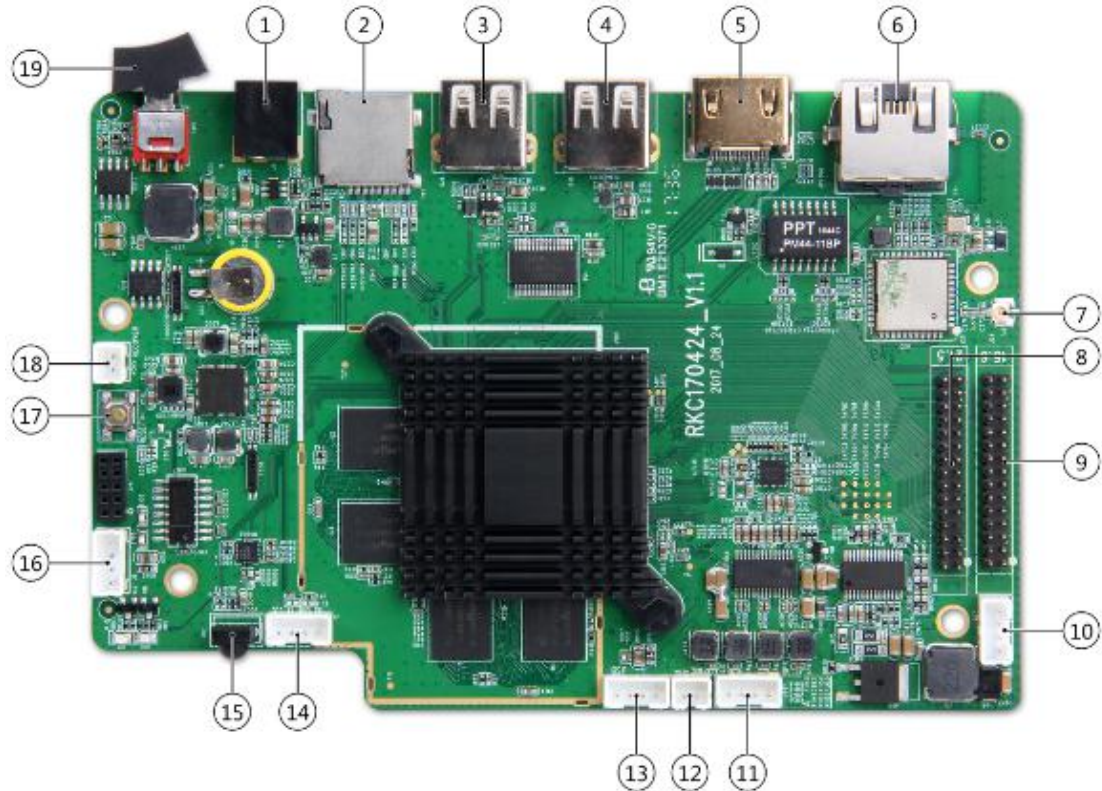
Note:The optional functions are marked with “\*”.

## 2.PRODUCT LAYOUT

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



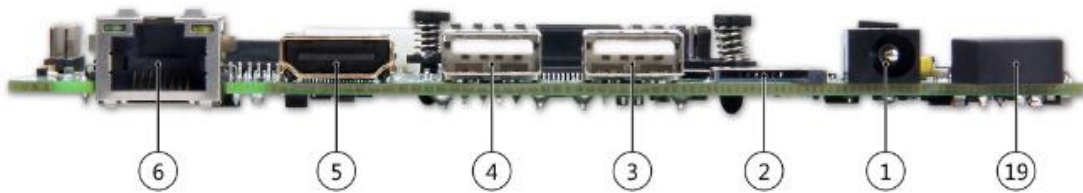
### 2.1 BOARD INTERFACES VIEW



No.	Name	Description
1	DC IN	12V
2	SD	SD card *1(max. 32GB)
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'' 32'' 55''(30Pin)
9	LVDS	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. 32GB)
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 7.1
	CPU	Quad Core A17r4 CPU @ 1.8GHz
	GPU	Mali T764MP
	DDR	2GB
	EMMC FLASH	8GB (16G/32G Optional)
Panel	Panel type	TFT LCD
	Interface	LVDS
	Resolution(Max)	1920*1080
	Voltage	5 V
Touch Screen	10 Point Capacitive	
NETWORK	Ethernet	RJ45, 10/100M
	WiFi	802.11b/g/n, optional 11 ac 2T2R
	Bluetooth	BT4.1 (Optional)
	3G	Not support
Display	Panel	21.5" LED
	Resolution	1920*1080
	Contrast	600:1
	Brightness	250 cd/m2
	Screen	16:9

Standby Power	<0.5W	
Interface	SD	SD card *1(max. 32GB)
	HDMI	HDMI out*1
	USB Host	USB Host 2.0*1
	USB OTG	USB OTG2.0*1
	DC IN	DC IN*1
Speakers	2*3W	
Camera	Front 2M pixels(Optional)	
Monitor	477.98*269.9*27.8 mm	
Master Carton	516*384.9*235.1 mm 1pcs/carton	
Adapter	DC12V / 3A	
Accessory	Users manual*1,Adapter*1,bracket*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
	AVS	1080p@60fps (1920x1088) 4:4:4 sampling not supported
	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: ≤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 PC away from static electricity .

- 6.Keep the PC away from water and other liquid.
- 7.Clean the PC with soft and clean dry cloth when it's dirty.
- 8.Don't use long connect wires which may affect performance and image quality.