

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

SPECIFICATION

MODEL:TPC2150K Plus

APPROVED BY GENIATECH		
PREPARED BY 编写	CHECKED BY 审核	APPROVED BY 批准

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Website: www.geniatech.com

Address: 18th Floor, GDC Building, No 9th, Gaoxin Middle 3rd Road, Nanshan, Shenzhen, China

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Revision History

VERSION	DATE	BOARD ID	PAGE	DESCRIPTION	AUTHOR
V1.0	2017/08/30				Rocky

1. GENERAL DESCRIPTION

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

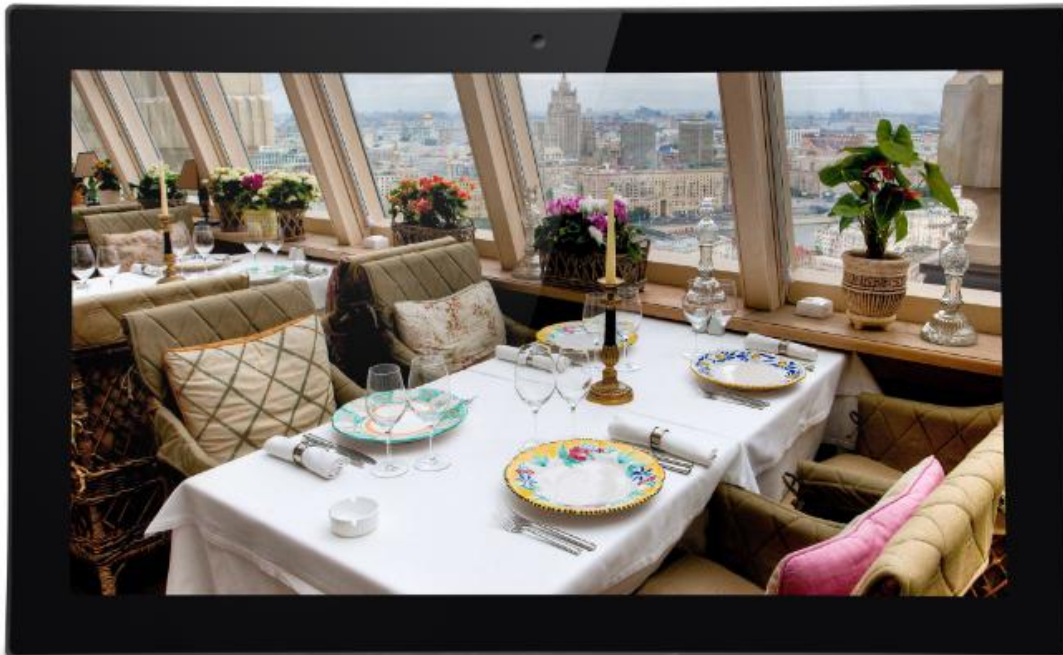
- (I) 21.5" color TFT LCD, 10points projected capacitive touch screen
- (II) Quad Core Cortex A17 @1.8GHz, Android 5.1 OS
- (III) 2GB RAM, 8GB eMMC flash, external expansion storage TF card (max. 32GB)
- (IV) Plastic frame, support wall mount and desktop
- (V) USB, TF external storage, support program playback
- (VI) Built-in WiFi, 1000M LAN interface and Front 2.0mp camera*(**optional**)
- (VII) Designed for retail, interactive communication

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

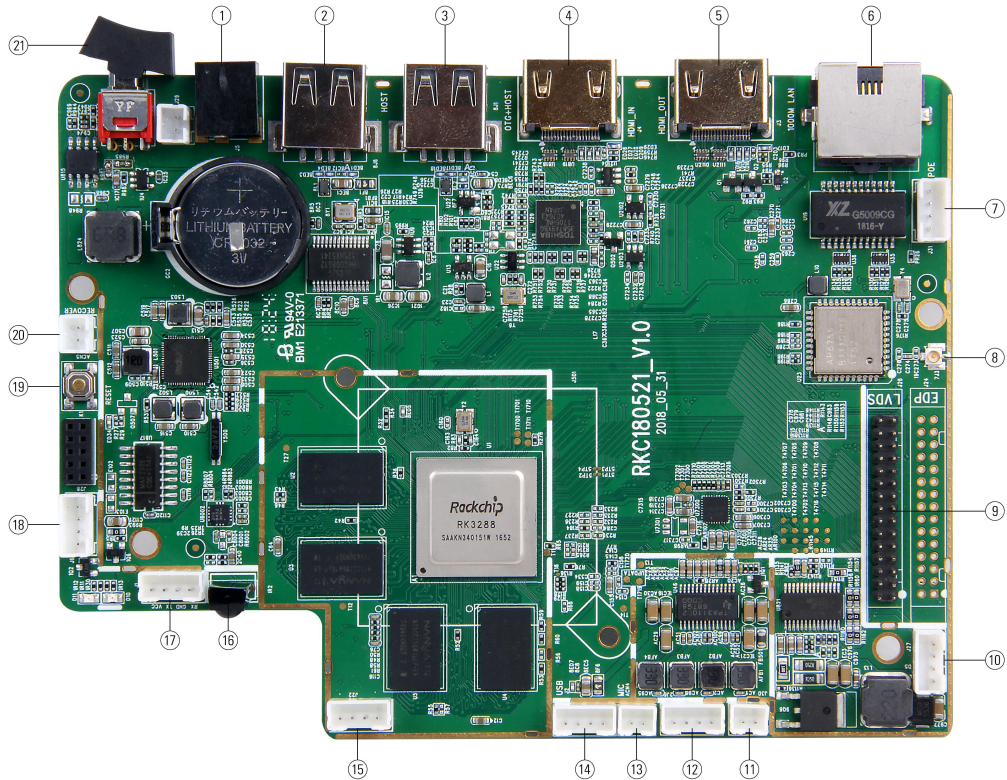
Note:The optional functions are marked with “*”.

2.PRODUCT LAYOUT

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



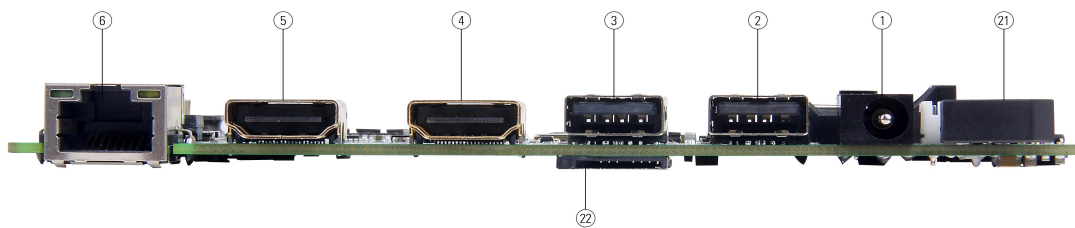
2.1 BOARD INTERFACES VIEW



No.	Name	Description
1	DC IN	12V
2	USB OTG	USB OTG2.0*1(support USB upgrade)
3	USB Host	USB Host 2.0*1
4	HDMI in	HDMI in*1
5	HDMI OUT	HDMI out*1
6	RJ45	Ethernet 10/100/1000M
7	POE Jack	POE Jack*1
8	WIFI Jack	WIFI Jack*1
9	LVDS interface	For 21.5'' 32'' 55'' (30Pin)
10	Backlight Jack	4Pin2.0mm
11	PWM Jack	LCD brightness adjust, 2Pin 2.0mm
12	Speaker Jack	4Pin2.0mm
13	Mic Jack	2Pin2.0mm
14	USB Touch screen Jack	4Pin2.0mm
15	RS485 Jack	4Pin2.0mm
16	IR Receiver	IR Receiver*1
17	Debug Jack	4Pin2.0mm
18	RS232 Jack	4Pin2.0mm
19	Reset Button	Reset Button*1

20	Update Jack	2Pin2.0mm
21	Power Button	Power Button*1
22	TF Card	TF card *1(max. 32GB)

2.2 BOARD FRONT VIEW



No.	Name	Description
1	DC IN	12V
2	USB OTG	USB OTG2.0*1(support USB upgrade)
3	USB Host	USB Host 2.0*1
4	HDMI in	HDMI in*1
5	HDMI out	HDMI out*1
6	RJ45	Ethernet 10/100/1000M
21	Power Button	Power Button*1
22	TF Card	TF card *1(max. 32GB)

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)	
Panel	Panel type	TFT LCD	
	Interface	LVDS	
	Resolution(Max)	1920*1080	
	Voltage	5 V	
Touch Screen		10 Point Capacitive	
NETWORK	Ethernet	RJ45, 10/100M/1000M	
	WiFi	802.11b/g/n, optional 11 ac 2T2R	
	Bluetooth	BT4.1 (Optional)	
	POE	Optional	
Display	Panel	21.5" LCD	
	Resolution	1920*1080	
	Contrast	600:1	
	Brightness	250 cd/m2	
	Screen	16:9	
Standby Power		<0.5W	
Interface	TF	TF card *1(max. 32GB)	
	HDMI	HDMI out*1, HDMI in*1	
	USB Host	USB Host 2.0*1	
	USB OTG	USB OTG2.0*1	
	DC IN	DC IN*1	
Speakers	2*5W		
POE	POE Modue (Optional)		
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: $\leq 80\%$.
- 2.Storage temperature:-10 ~ 60 °C
- 3.Operation temperature:0~ +40 °C
- 4.Do not squeeze ,distort or disassemble the PC.
- 5.Keep the 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.