

深圳金亚太科技有限公司

Shenzhen Geniatech Co.,Ltd.**SPECIFICATION****MODEL:TPC1250T**

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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	2022/7/18				

1. GENERAL DESCRIPTION

TPC1250T is an Android Customized Tablet PC with below new features:

- (I) 12.5" color TN LCD, 10points projected capacitive touch screen
- (II) Quad Core Cortex A55 @1.8GHz, Android 11.0
- (III) 2GB RAM(4GB Optional), 16GB eMMC flash(32GB/64GB optional)
- (IV) Metal frame, support customizing wall mount
- (V) USB, Micro SD, external storage
- (VI) Built-in WiFi, LAN interface and Front camera(optional)
- (VII) Supports Mini PCIE(for 4G LTE), 3*HDMI IN 4KP60 + 1*AV_IN
- (VIII) Designed for retail, interactive communication, desk display etc.

2.PRODUCT OVERVIEW

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



3.FEATURES

Dimension	282.4×179.32 ×2.6(mm)	
Active Area(mm)	276.48×155.52 (mm)	
CHIPSET	Amlogic T982	
MARKET AREA	Global	
OSD LANGUAGE	English/Chinese (multi language OSD)	
	OS	Android 11.0

Processor	CPU	Quad-core Cortex-A55 up to 1.8GHz
	GPU	Mali-G52 MP2(2EE)
	DDR	2GB (4G optional)
	EMMC FLASH	16GB (32G 64G optional)
Touch Screen	12.5 Point Capacitive	
Display	Panel	12.5" LCD
	Resolution	1920*1080
	Viewing Angle	85°
	Contrast	600:1
	Brightness	300 cd/m2
	Screen	16:10
Network	Ethernet	10/100/1000M
	WIFI	IEEE 802.11 ac (2.4G & 5.8G Dual Band)
	Bluetooth	BT4.1(BT5.0 optional)
	4G LTE	Optional
Interface	HDMI IN	3*HDMI
	AV_IN	1*3.5mm Jack
	RS232&SPDIF	1*3.5mm Jack
	UART	1*4Pin2.0mm
	LAN	1*RJ45 (LED)
	USB3.0	1*USB3.0
	USB2.0	5*USB2.0 (one build in)
	PDM	1*30Pin0.5mm FPC
	Update	1* Update key (3.5mm jack back)
	Backlight	1*6Pin2.0mm
	I2C (TP)	1*6Pin2.0mm
	Other Port	1*10Pin2.0mm (Power, Menu, Source, LED, IR)
	GToit	1*(2x5Pin1.27mm)
	WIFI/BT ANT	2*IPXE
	RF	optional
Speakers	2*3W(Max to 2*10W)	
Camera	Front 2M/5M pixels (Optional)	
Adapter	DC 9V ~24V	
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 Decoding	AVE-10 (Amlogic Video Engine)	up to 8Kx4K@30fps or 4Kx2K@75fps
	AV1	MP-10@L6.0/5.1 up to 8Kx4K@30fps or 4Kx2K@60fps
	H.265	MP-10@L5.1 up to 8Kx4K@30fps or 4Kx2K@60fps
	H.264	AVC HP@L5.1 up to 4Kx2K@30fps MVC up to 1080P@60fps
	VP9	Profile 2 up to 8Kx4K@30fps or 4Kx2K@60fps
	AVS2	MP up to 4Kx2K@60fps
	AVS-P16 (AVS+) /AVS-P2	JiZhun Profile up to 1080P@60fps
	WMV/VC-1	SP/MP/AP up to 1080P@60fps
	MPEG-4	ASP@L5 up to 1080P@60fps (ISO-14496)
	MPEG-2	MP/HL up to 1080P@60fps (ISO-13818)
	MPEG-1	MP/HL up to 1080P@60fps (ISO-11172)
	Sub-title video	Supports Multiple language and multiple format
	Formats	Supports *.mkv,*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4
Video Encoding	H.264	up to 1080P@30fps with low latency
Audio	Supports MP3, AAC, WMA, RM, FLAC, Ogg, Dolby Audio, DTS Audio Optional and programmable with 7.1/5.1 down-mixing (optional).	
Image Format	JPEG, MJPEG	

5.Precautions for use

- Relative humidity: $\leq 90\%$.
- Storage temperature:-10 ~ 70 °C
- Operation temperature:0~ +55°C
- Do not squeeze , distort or disassemble the PC.
- Keep the PC away from static electricity .
- Keep the PC away from water and other liquid.
- Clean the PC with soft and clean dry cloth when it's dirty.
- Don't use long connect wires which may affect performance and image quality.