



Products Features:

1. 12.1 inch LED screen, resolution: 1024*768
2. Capacitive touch and Resistive touch
3. Rockchip RK3568 CPU
4. 2*LAN, 4*USB, 3*COM, 1*HDMI
5. On board SDRAM LPDDR4X-2GB / 4GB / 8GB
6. On board eMMC 5.1-16GB / 32GB / 64GB
7. On board Realtek WIFI module
8. 1*Mini-PCIE Expansion Slot, Support 4G Module
9. -20°C~60°C Temperature Can Keep 24/7 Work Stably
10. DC 12V Power Input



1.Mother Board Specification:

Model	QY-P5121-Android		
CPU	ARM Rockchip RK3568		
Memory	On board SDRAM LPDDR4X-3200 MHz		
	2GB	4GB	8GB
Storage	eMMC5.1,16GB	eMMC5.1,32GB	eMMC5.1,64GB
	1*TF Card slot 1*M.2 NVME 2242 slot		
Display	1*HDMI: Resolution up to 4090*2304@60Hz		
Expansion	1*Mini-PCIE Slot, Support 4G module		
Ethernet	2*RTL811F LAN Chip (10 / 100 / 1000 / 2500 Mbps, RJ-45)		
USB	1*USB 3.0 (Type-A) 3*USB 2.0 (Type-A)		
COM	1*RS-232 / 485 (DB9 type) 2*RS-232 (DB9 type)		
Audio	1*Realtek® HDA Codec, with MIC/Line-out and Amplifier		
CAN	1*CAN port (Optional)		

2.Screen Specification:

ScreenSize	12.1inchTFTLEDScreen,4:3Size	
Resolution	1024*768	
Brightness	350nits	
	Support optional 500 / 700 / 1000 nits	
Contrast	800:1	
LargestColorful	16M	
TouchScreenType	Capacitive	Resistive
Light Transmittance	Morethan95%	Morethan95%
TouchLife	50milliontimes	35milliontimes
ResponseTime	<5ms	<5ms
TouchHardness	6Mohs	

3.Device Specification:

Power Input	DC 12V (Support optional DC 9-36V Wide Voltage Power Input)
	Support AT / ATX
	1*2.5mm circle type DC plug
Working Temperature	-20°C~60°C, Support 24/7 Working
Size	298.3mm*238.3mm*57mm
Structure	Fully Enclosed Aluminum Alloy Material
Heat dissipation	Fanless Design, Conduction Heat Dissipation
Installation	Desktop / Embedded / Wall-Mounted
System	Android 11 and Linux
Water Proof	Front Panel IP65 water proof

4.Ordering Information:

Model	CPU	LAN	USB	COM	Display	RAM	SSD		Expansion	Power Input
P5121-Android	RK3568	2	4	3	1*HDMI	2GB	16GB	1*TF	1*Mini PCIE	DC 12V
						4GB	32GB	1*M.2 NVME		
						8GB	64GB	1*SATA		

5.CPU Information:

CPU	Specification
RK3568	Quad-core Cortex-A55, Clock speed up to 2.0GHz

6.System Information:

CPU	Specification
RK3568	Max to Android 11 / Linux

7.Fittings Information:

Storage	M.2 NVME	128GB / 256GB / 512GB / 1TB / 2TB / 4TB
GSM Module ^[1]	4G	4G+GPS function

8.Package List:

Adapter	1*12V 5A adapter
Power Cable	1*Power Cable [2]

Notices:

[1]: Different countries and regions are applicable to different versions, please inform the business staff in advance when ordering.

[2]: Different countries and regions use different types of power cord plugs, please inform the business personnel in advance.

9.Dimensions:

