

Dual-screen Smart Cash Register P21 Technical Instruction



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1. Application scenarios

- Suitable for supermarkets, food markets, hotels, fruit shops, schools, restaurants, logistics, lottery, pharmacy and other places that need to use cash register.

2. Features

- Six-core processor high performance, super strong RAM, more memory configurations are optional;
- Large HD screen to restore true color;
- BOZZ OS, more intelligent dual screen interaction;
- Wide dynamic binocular camera, accurate and fast recognition, optional with 3D structured light camera;
- Efficient infrared fill in light;
- Built-in 80mm thermal receipt printer, with auto-cutter
- Abundant external interface;
- Support Ethernet; 4G Network (optional);
- Dual screen can be adjusted from many angles;
- Different size display screen, a variety of combinations.

3. Product specification sheet

Android dual screen intelligent desktop cash register				
Model		P21		
Screen	Size	15.6" IPS +12.1" TN		
	Resolution	15.6"(1920*1080) 12.1"(1600*900) 15.6"G+G Capacitive multipoint touch screen		
Single lens Camera (binocular is optional)	Type	Color	IR (optional)	
	Resolution	2.0MP	2.0MP	
Basic specifications	OS	Android 7.1, up to android 11 for bulks		
	CPU	RK3399 A72*2+ A53*4 1.8GHz & Mail T860		
	Memory	4G DDR+32G EMMC Options: 16G/64G EMMC		
	Power supply	24V//5A		
	Consumption	96W Max		
	Relative humidity	0%-90% (In the state of uncondensed water droplets)		
	Working temps	0°C ~ 40°C		
	Storage temps	-20°C ~ 60°C		
	Working environment	Indoor		
	Size of device	390.86mm*389.30mm*211.46mm		
	Interface	USB A *5		
		RJ45 LAN*1		
		Micro-USB*1		
		DC-in*1		
		3.5mm earphone jack*1		
		RJ11*1		
		SIM card slot*1 (option for 4G)		
		Support Micro TF card slot		
	Speaker	3W*2		
	WIFI	2.4G support IEEE 802.11 b/g/n		
BT	Support BT4.2			
Communication mode	4G	Network (Optional: Custom purchase is required)		
Printer	Type	High quality 80mm printer, auto-cutter		
Package Data	Weight	7.5Kg		
	Size	430mm*440mm*265mm		

4. Pictures

① 15.6"+15.6" screen



② 15.6"+12.1" screen



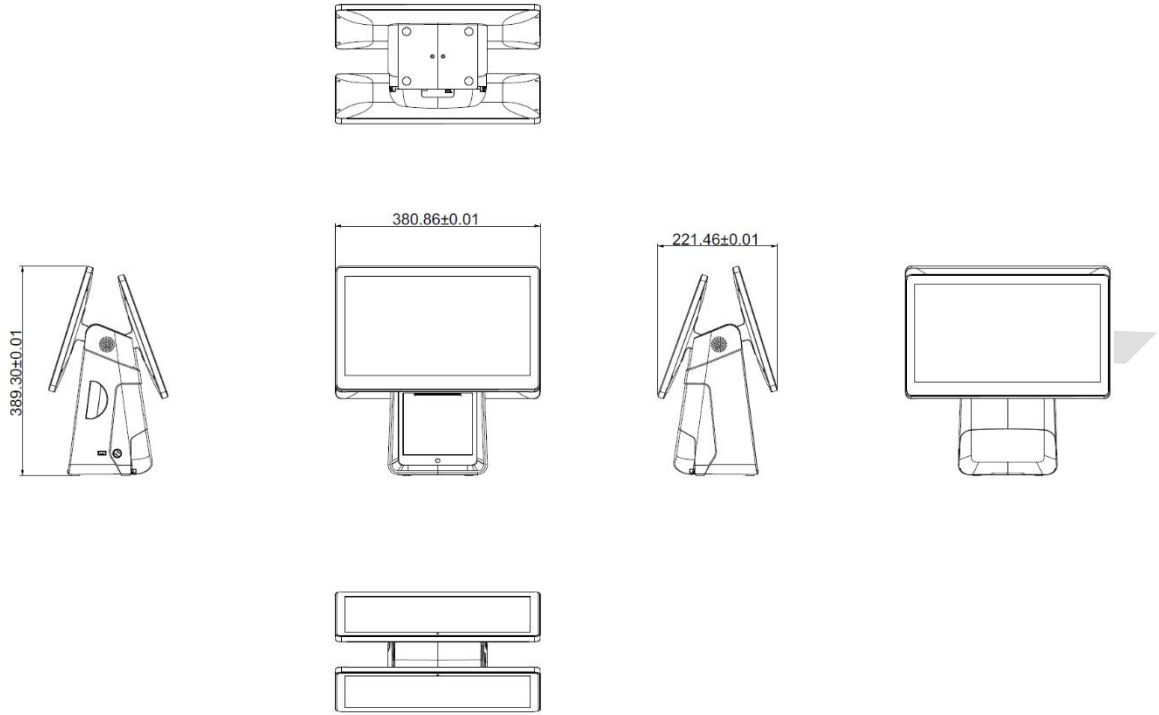
③ 13.3"+13.3" screen



④ 13.3"+12.1" screen



5. Overall dimensions (15.6"+ 15.6": 390.86mm*389.30mm*211.46mm)



6. Position indication (15.6"+15.6")





7. Product packaging and instructions

(1) List of materials/tools

NO	Materials/Tools	Quantity	Description
1	Host machine and its accessories	1	Accessories include: 24V power adapter, desiccant, inspection certificate, etc.
2	Network cable (optional: outsourcing required)	Some	Used to arrange Ethernet and other remaining cabling
3	Network cable pliers, network tester, diagonal pliers, electrical tape, wire clips (optional: outsourcing required)	Some	Used to arrange Ethernet and other remaining cabling

(2) Installation note

A. During actual wiring, if the 24V power supply wire of the host does not use "Special power extension cable" and the distance is long, resulting in excessive equivalent resistance of the cable, it is easy to have insufficient terminal voltage ($\leq 23V$), system repeated restart /crash and other abnormal phenomena.

B. The installation environment must not be wet to avoid strong electricity and strong electromagnetic field. Such as electromagnetic appliances, mobile phones and other electrical appliances that could be moved at will should be kept far away from the equipment as possible.

C. This product is a precision device, of which the collision, drop, and vibration should be avoided, thus to avoid the falling of the main board components or the damage of the camera, which may lead to functional or performance problems of the product.

D. The device has its own power adapter, with a total length of 1.8m.

- ✓ The extension power cable shall not exceed 3m, otherwise it will lead to the abnormal phenomena, such as insufficient voltage supply, repeated system restarts or system crash etc.
- ✓ If use other adapters, such as 12V and 2A, are used, will cause insufficient voltage and too low current, and the equipment will be restarted repeatedly.
- ✓ The cables used should not be too thin (such as network cables). It is recommended to connect multiple strands of the same cable in parallel or use cables with copper cores thickened to ensure that the voltage is greater than 23V.
Note: If use network cable, 4 strands of network cable shall be used as positive pole and 4 strands as negative pole for extension cable.
- ✓ If you do not know how to extend the cable, please contact the supplier to replace the "special power extension cable".