

BUS POS Terminal PF818 Product Description



Bozz

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1. Application Scenario

Be suitable for payment scenarios such as city bus, school bus, and tourism bus that require the use of on-board POS terminal.

2. Product Specification Table

Model	PF818	
LCD	single screen 8.2" 1280*800	
Touch Panel	Multi points capacitive touch panel	
CPU	Type	A72*2+ A53*2, 1.8GHz Mali T864
	Model	RK3399
Multi-media		HD video decoder(4K@60fps and FHD 1080p@60fps)
		HD video encoder (up to 1080@30fps)
		The graphics processor, provides 3D graphics support OpenGL ES1/2/3.0 and OpenVG 1.1 DriectX11

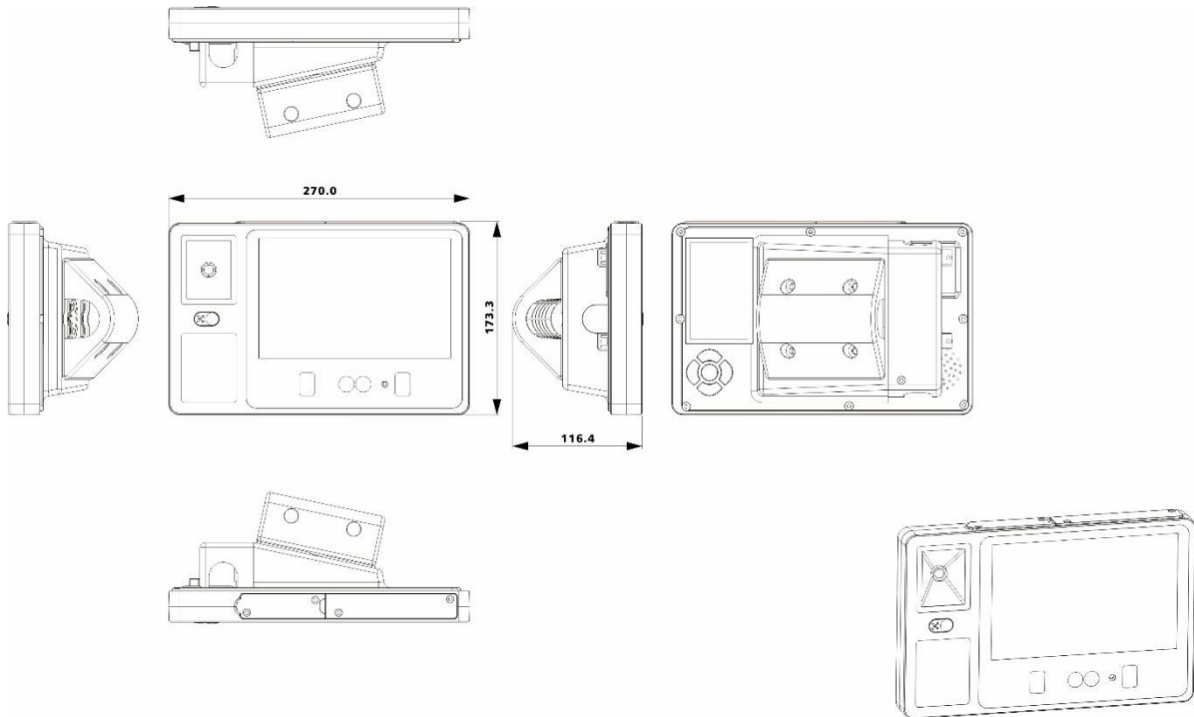
		2D/3D GPU (Mali T764)
		Strong power management unit(PMU)
		I2S Host and slave interface audio
DDR/Flash	Dual ChannelDDR3/L	4G DDR
	eMMC/NAND flash	8G(Default) Upto 32G (Optional)
OS	OS	Android 7.1
	Linux Kernel	3.0.8+
Communication	WiFi	Ap6236 Module (Broadcom IEEE 802.11 b/g/n, Built-in wifi(2.4G)+BT4.2
	RJ45	RTL8201F 10M/100M
	BT	BT 2.1/3.0/4.0/4.2
	4G	Optional module
Standard application/apk	Support music formats	MP3,WMA, WAV, OGG,AAC, FLAC,3GP...
	Support video formats	MPEG1/2/4,AVI,WMV,MKV,MOV,VP8, H.263/264/265...
	Support image formats	JPG,BMP,PNG...
	Browser	IE
	Application store	Google app store
	Adobe Flash Player	V11.1 or higher
	HTML5	Support
	DLNA	Support
work environment	Multi-windows	Support
	Power supply	DC 12V/3A
	Power consumption	15W Max

	Relative humidity	0%-90% (In the state of non-condensing water droplets)
	Working temperature	-20°C ~ 60°C
	Storage temperature	-20°C ~ 70°C
	Usage environment	In-BUS
Input/Output	MICRO USB port 1	Support data transfer (micro-usb outputs TP control signal to peripheral when HDMI input)
	USB type	USB2.0*1
	Power supply	DC 12V3A
	RS232	1
	PSAM card slot	6
	RS485	1
	Speaker	Built-in 8Ω/2W*1
Other modules(optional)	Camera	High speed hd 1.0M pixels
		High speed hd 2.0M pixels
		High speed binocular cameras
		3.0MP wide dynamic backlight camera
	NFC card reader	Local ID card reader
		Network ID card reader
Code scanner	Support barcode &QR code	
Others	NW	1kg device Size : 270mm*173.3mm*116.4mm
	GW	1.9kg approx. package Size : 305*215*130mm
	Case material	Default ABS White/black(optional)

3. PF818 diagrams



4. Shapes and dimensions (270mm*173.3mm*116.4mm)



5. Description of the front part of the terminal



6. Product packaging and instructions

(1) List of materials/tools

NO	Materials/Tools	Quantity	Description
1	Host machine and its accessories	1	Accessories include: 12V power adapter, desiccant, rack, 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 12V 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 ($\leq 11V$), 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 phenomenons, such as insufficient voltage supply, repeated system restarts or system crash etc.
- ✓ If use other adapters, such as 9V and 1A, 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 11V.

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".