

PP-1125

Android Aer PPC

User Manual

ver. 0.1

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Revision Record

Safety Precaution

Please observe the following precautions to ensure safe use of equipment.

- Disconnect the equipment from AC outlet before cleaning.
 Use only moist cloth (with water). Do not use detergent.
- 2. Power outlet must be easily accessible and near the equipment.
- 3. Keep the equipment away from humid and dusty environment.
- 4. Place the equipment on a stable surface during installation and operation.
- 5. Do not place any load on the power cord.
- 6. All cautions and warnings on the equipment should be noted.
- 7. When the equipment is not in use, disconnect it from the power source to avoid damage by transient over-voltage.
- 8. Liquid into the equipment may cause fire or electrical shock.
- 9. Only qualified service personnel should be allowed to open the equipment.
- 10. If any of the following situations arises, ask service personnel to check the equipment:
 - A. Power cord / plug is damaged
 - B. Liquid penetrates into the equipment
 - C. The equipment does not function properly and/or cannot work according to the User Manual
 - D. The equipment has been dropped
 - E. The equipment shows signs of damage
- 11. Temperature below -20° C (-4°F) or above 60° C (140° F) may damage the equipment

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Chapter 1

Introduction

PP-1125 (Android Aer PPC)

PP-1125 is the latest member of Android Aer PPC series that features a slim all-in-one design with great versatility. It can be easily configured to meet the demand of different store environments. PP-1125 also provides a decent choice for noise-free environment applications with optimized product reliability.

PP-1125 is a fanless system in die-cast aluminum chassis that is with stands harsh environments. It is equipped with RK-3288 which is Android-based mother board.

Key Features

- High quality of bezel free projective capacitive touch is IP54 front panel compliant.
- Slim & Sleek all in one compact design.
- Aluminum Die-casting housing for enhancing thermal status.
- Fanless solution for noise-free environment, Rock-chip RK3288 CPU.
- Various peripherals devices which are coherent with Aer family peripherals.



Overview



Dimension



Tilting Angle



Swappable stand cover and cabling





I/O Connectivity

I/O – Default



I/O Port	Connector Type	Description
20v DC- in	DC-in	20v Power Adapter
Ethernet	RJ-45	Ethernet LAN port
Cash Drawer	RJ-11	12v/24v Cash Drawer
HDMI	HDMI Type A	HDMI port for 2 nd display
USB	USB Type A	USB 2.0
USB	USB Type A	USB 2.0 / USB 2.0 for OTG
COM 1	RJ-45	RI / 5v / 12v (select in system setting) 5v : Green / 12v : Orange
COM 2	RJ-45	RI / 5v / 12v (select in system setting) 5v : Green / 12v : Orange

Packing List

Standard		Optional		
1	PP-1125			
2	Power Adapter (90w)			
3	AC Power Cord			
4	RJ45-DB9 Cable			

Hardware Installation and Upgrade



Chapter 2

Do not remove the Storage without switch off the terminal. Power must be switched off and power cord must be unplugged. Every time you service the system, please be aware of this.

MSR / Finger Print Reciever / RFID / iButton Installation



- 3. Make sure the USB connected and screw is fastened well.
- 4. If you are looking for the detail Utility of MCR, Finger Print Reader, I-button Reader, RFID Reader, please contact FEC's FAE.

Power Setting (COM / Cash Drawer Port)

You may select the power (5v / 12v) of COM in system setting Step 1. Click "Setting" button in the system.

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Step 2. Click "Device Status" button. You will see the options for setting including C/D, COM 1-5 power setting.



Step 3. Choose the power output you want.

i. COM port power setting.



ii. C/D power setting

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Cast	h Powe	er				
۲	12V					
0	24V					_
5						

** Make sure the peripherals are un-plugged to avoid to damage peripherals if devices voltage are not matched. **

Integrated VFD/LCM Installation

1. Un-fasten 1xM3 screw Remove the VFD Plastic cover and Back Cover on the terminal



2. Install the integrated type of Customer Display into the proper area with the com port internal cable connected. And fasten back 3 x M3 screws.



3. Integrated Customer Display Module connected to the, 5mm LCM Module (AP-2025) is 5V; 9mm VFD (AP-2029), 9mm LCM 20x2 (AP-2024), LCM 240x64 (AP-240G) is 12V.



4. Do not exceed the tilt angle as this may damage internal cable

Chapter 3

Specifications

Aer PPC		PP-1125				
	Processor	RK3288 Quad Core Cortex A17-1.8Ghz				
	Storage	RAM: 2GB DDR3, 16GB eMMC				
System	Power Supply	90 W or 130 W optional for type B I/O				
	Thermal	fan-less				
	Speakers	2w x 2				
	Display	15" (4 : 3)				
Diaplay	Touch	Projected Capacitive				
Display	Backlight	LED				
	Brightness	250 nits				
	Backlight MTBF	50,000 hours				
	MSR	Track 1/2/3 (USB)				
	Finger Print	Optical (USB)				
	RFID	13.56 MHz (USB)				
	iButton	USB				
	WireLess LAN	802.11b/g/n (USB)				
Peripherals						
·	VFD	20 x 2 (9mm / 12v / character mode)				
		20 x 2 (9mm / 12v / character mode)				
	LCM	240 x 64 (9mm / 12v / graphic mode)				
		20 x 2 (5mm / 5v / character mode)				
		192 x 32 (5mm / 5v / graphic mode)				

Chapter 4



This guide is for people with strong knowledge in computing hardware

Touch Panel does not work

- A) check the connection between touch panel and touch controller
- B) HID USB touch device is detected by O/S
- C) (P-Cap) P-Cap touch is detected by O/S or try reinstallation
- D) (P-Cap touch calibration) reboot the system and P-Cap touch will calibrate automatically

OSD Buttons do not work

- A) press each OSD button for more than two seconds to trigger its function
- B) make sure one button is touched at a time

MSR does not function properly

- A) make sure MSR (USB Hid keyboard) is properly connected
- B) MSR LED is blue (color)

LAN does not function properly

- A) LAN driver is installed properly
- B) RJ45 cable is connected properly
- c) check IRQ conflict

Cash Drawer Port does not function properly

- A) pin assignment of cash drawer matches that of RJ11 cash drawer port
- B) check I/O port address