

TechNexion

INNOVATORS OF TECHNOLOGY

Android Pie Release Notes

VER. 1.00
March 30, 2019

REVISION HISTORY

Revision	Date	Originator	Notes
1.00	March 30, 2019	TechNexion	tn-p9.0.0_1.0.0_8m-ga First public release

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1. Overview

1.1 Supported Hardware

Android Pie will be supported on below TechNexion platforms:

- PICO-IMX8M
- PICO-IMX8MM

Each hardware has its unique functions and features, please refer to the data sheet for more details if needed. All product information can be found on TechNexion official website.

1.2 Package Content

The tn-p9.0.0_1.0.0_8m-ga release package includes the following software and documents:

- Release Notes
- User Manual
- Prebuilt Image
- Installation Tools

2. Hardware Functions

Model	PICO-IMX8M with PI baseboard	Remarks
CPU	PASS	
DRAM	PASS	Support 1G, 2G, 3G, and 4G size.
WiFi	PASS	
Bluetooth	PASS	
eMMC	PASS	
USB Host port	PASS	
USB OTG port	PASS	
Micro USB port	PASS	
HDMI	PASS	FHD working perfect.
Ethernet	PASS	
RTC	PASS	
MiPi CSI-1	PASS	
MiPi CSI-2	PASS	
MiPi DSI LCD	WIP	Please refer known issue 2.
UART	PASS	
Audio-HAT	PASS	

Table 1: PICO-IMX8M with PI baseboard

3. Software Features

- tn-p9.0.0_1.0.0_8m-ga
 - UI
 - ✓ Graphic-HW
 - ✓ Graphic-HW 3D acceleration
 - Networking
 - ✓ Ethernet
 - ✓ WiFi station mode and AP mode
 - ✓ Bluetooth LE
 - Multimedia
 - ✓ Auto switch of Audio port: Audio-HAT, USB-Audio and HDMI-audio
 - ✓ Auto detection of Dual Camera: two mipi camera or one mipi camera and one UVC USB camera
 - ✓ Audio-HAT support
 - Applications
 - ✓ Termux
 - ✓ Uart-Test
 - Treble
 - ✓ A/B system
 - ✓ OTA Upgrade
 - ✓ ADB
 - ✓ Fastboot

4. Known Issues

The known issues of the hardware and hardware rework instructions are not included in this document.

tn-p9.0.0_1.0.0_8m-ga:

Model	PICO-IMX8M with PI baseboard
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Items	Issue description	Status
1	Dual mipi camera is not stable in Camera app failed when switching front camera and rear camera.	WIP
2	ILI9881C 5-inch panel is not stable, sometimes appear flicking, wrong color display	WIP