

# Android PND Specification



<b>Model</b>	
7"	CTFPND-9D
<b>Hardware</b>	
CPU	MTK platform 2GHz oct core CPU
GPS	high sensitivity receiver, 64 channels
3G module / GPRS module	2 version (EUR and NAR) with voice call  EUR - (Europe market ) <ul style="list-style-type: none"> <li>• GSM : 900/1800Mhz</li> <li>• WCDMA – 850/900/2100Mhz</li> <li>• FDD (4G, EUR) – B1 , B3 , B5, B7, B8, B20</li> <li>• TDD (4G) – B40, B38/B41</li> </ul> NAR- (North America market) <ul style="list-style-type: none"> <li>• GSM : 850/1900MHz</li> <li>• WCDMA : 850/1700/1900Mhz</li> <li>• FDD (4G, NAR) – B2, B4, B5, B12, B17</li> <li>• TDD (4G) – B40, B38/B41</li> </ul>
Bluetooth	V2.1 and V4.0 with data transfer (OPP profile)
WLAN	Wifi IEEE 802.11 b/g/n
Camera (back camera)	16Mpixel autofocus camera and flashlight
Camera (front camera)	Optional but not default
video input	Default 1x 1080p AHD video input
RFID	Yes, optional

<b>g-sensor</b>		Yes, default
<b>Light sensor</b>		Yes, default
<b>GYROSCOPE</b>		Yes, default
<b>Wireless module</b>		Optional, Lora module
<b>Display</b>		7" colour TFT touch screen (1024x600, capacitive Touch panel)
<b>Memory</b>	<b>ROM (SLC/MLC)</b>	32G NAND flash (dual layout for flash and eMMC)
	<b>RAM (DDR)</b>	2GB DDR4
	<b>Extend Slot</b>	Micro SD ( T Flash) card
<b>Antenna</b>		Internal antenna
<b>LED indicator</b>		Two-color LED (Red/Green)
<b>Interface</b>	<b>Type C USB Connector</b>	USB2.0 connection and power charging
	<b>Pogo pins</b>	Pin 1&2 – 5V Vcc Pin 3&4 – USB (D+, D-) Pin 5&6 – GND Pin 7&8 – RS232 (Tx/Rx) Pin 9 – Video input Pin 10 - Video trigger Pin 11 – ID pin Pin 12&13 – I2C Pin 14 – 9-36V input Pin 15 - ignition
	<b>SIM card slot</b>	Yes
<b>Battery</b>	<b>Capacity</b>	4300mAh (default)
	<b>Standby</b>	3 days
	<b>Operating Time</b>	5 hours
<b>Operating temperature</b>		-10 to 60 degree

## Software

<b>Operating System</b>	Android version 9.0
<b>Android applications</b>	TBD
<b>Navigation software</b>	TBD

## Packaging Details

1pc main unit and 1pc cradle