Product Specification

Project   **D003_Malata-4.0GPS**

DOC NO   **D003_Malata_64304B_Specification**

Version   **1.0**

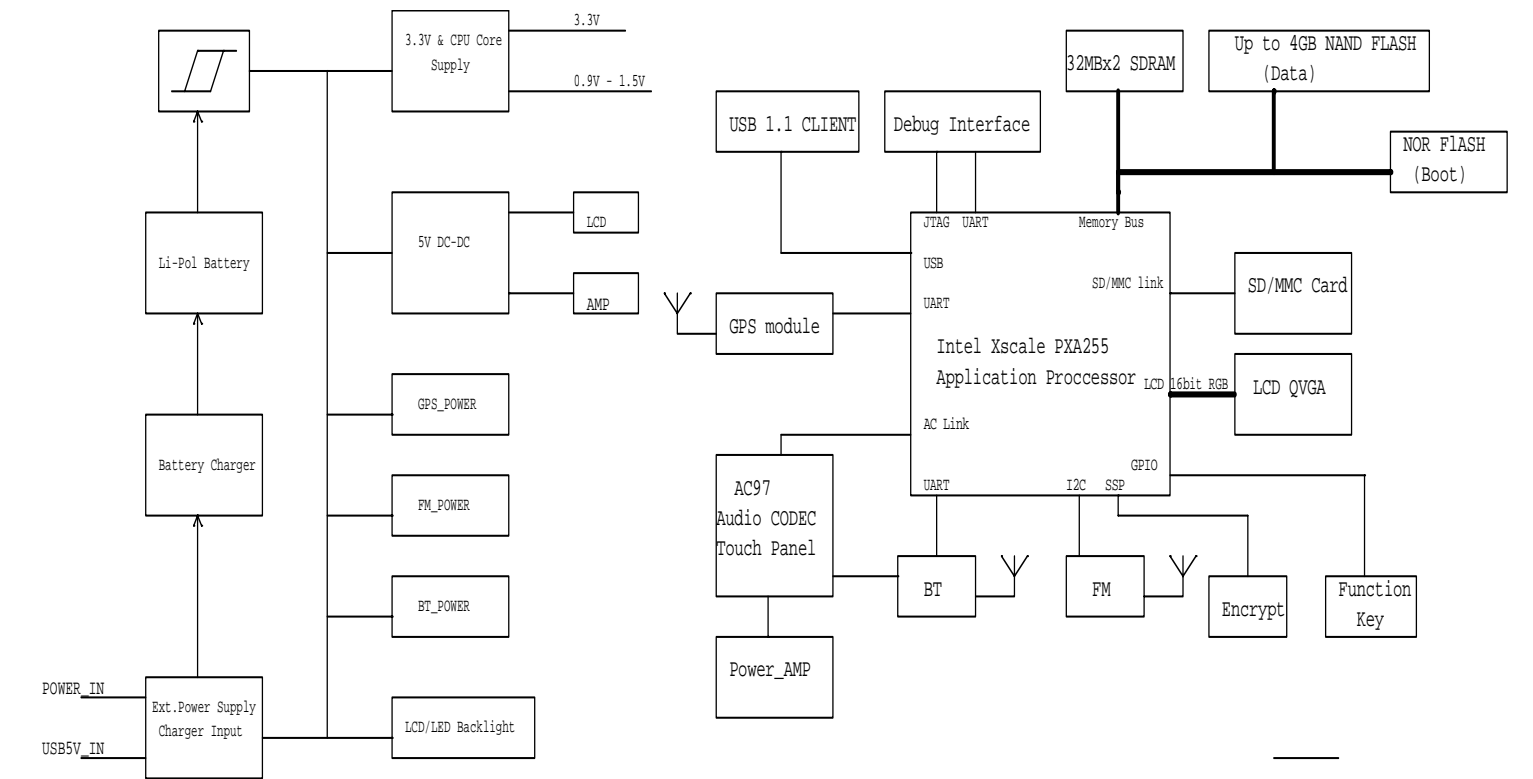**Release**   **2007.06.10**

1. **Document Summary**

This document summarizes MALATA 64304B Hardware & Software Specification.

2. **Specification**

2.1. **System Summary**

The 64306B is a slim and sleek GPS car navigation system with a spacious 4.3" widescreen, perfect for viewing maps and driving instructions. Equipped with a built-in 1.5W Speaker.

The 64306B is designed to use GPS information to locate current position, and calculate the best route to drive to destination using the maps stored in its memory.
The FM transmitter function is disabled by software, so the user can't use this function.
Bluetooth function in this model can connect device with Bluetooth-enabled mobile phone to make hands-free phone calls.

2.2. Features

● **Hands-Free Calling**
  Connect device with Bluetooth-enabled mobile phone to make hands-free phone calls. Making calls is as simple as selecting contact from the list.

● **20-channel GPS Receiver**
  The highly sensitive SiRFstarIII GPS receiver provides accurate navigation in challenging environments, whether in the centre of a city surrounded by skyscrapers or in the heart of a forest.

● **SD/MMC Compatible Expansion Slot**
  Equipped with an SD and MMC compatible expansion slot, it can store movies, photos, music, documents, ebooks and all kinds of data on inexpensive memory cards so that it's always accessible. It can bring several gigabytes of data in the pocket of your jacket.

● **Bright 4.3" Widescreen**
  The bright 4.3" widescreen provides navigation information at a glance, even in difficult light conditions.

● **Wireless Synchronization with Bluetooth® Technology**
  Throw away your cables and enjoy the freedom of wireless synchronization. Contacts, calendar events, emails, tasks, notes, general files and media can all be transferred with minimum effort via Bluetooth® technology.

● **TMC Support**
   Receive real-time traffic information to avoid traffic jams with extension receiver. (Requires TMC receiver).

2.3. Hardware Specification

Hardware Specification	
CPU	Intel® Xscale PXA255 Applications Processor 300MHz
Memory	1x32MB/1x64MB/2x1GB Flash ROM 64MB SDRAM
Display	4.3" TFT LCD with 65,000 colors 480x272 QVGA mode
Input Device	Touch Panel(Include in LCD module)

Input Method	Soft Keyboard
Audio	Build-in Mono-Speaker
Headphone	3.5mm Stereo Phone-Jack
Expansion Slot	SD/MMC
Communication Interface	USB1.1 Device
Battery	1400mAh Un-Swappable　Rechargeable Li-ion
AC Adapter	5V，2A，DC
Display Light	LED x1 　（Work Status）
Button	Power Button 　　　　Up-Volume up 　　　　Down-Volume down 　　　　Middle-Menu On/off Battery Switch
Operation Temperature	0-50℃　10-90%　（25℃）
Storage Temperature	-10-60℃　8-90%　　（25℃）
GPS Specification	
GPS Functions	Module: Embedded Sirf StarIII Module Antenna: Embedded Patch Antenna and LNA 　　　　（Extension Connector）

2.3.1. Software Specification

2.3.1.1. Operating System Basic Specification

Module: Operating System(multi-language) WindowsCE.NET 4.2 Core	Size	Selected
English	20MB	Y
America Version: English, Spanish, Chinese simple	27MB	Y
Europe Version: English, French, German, Italian, Spanish	36MB	Y
China Version: Chinese simple, Chinese Traditional, English	32MB	Y

2.3.1.2. Other software interface

- Supply single device sequence number (Device ID) from hardware mode, and supply interface to application to read this Device ID.

- Supply Device Type from hardware mode, and supply interface to application to read this Device Type.

2.4. **Bluetooth Specification**

Type of modulation	FHSS , GFSK
Frequency range	2400-2483.5MHz
Number of channels	79 Channels
Carrier frequency of each channel	2402+k MHz; k=0~78. General Bluetooth device
Bandwidth of each channel	1MHz
Operation Temperature	___-40___ ℃ to ___105___ ℃
Antenna Gain 天線增益	2dBi with Bluetooth antenna ; _
Antenna Type	Integral, Ceramic
Antenna Connector Type	SMD