



# **Integration Manual**

## Deimos

## 1. Feature Set

The Deimos module is based on the 7200A Qualcomm chipset. The features and interfaces it supports can be found in the table underneath.

<b>OS</b>	Danger OS
<b>CPU</b>	QUALCOMM MSM7200A (MSM7201A)
<b>Display</b>	3" or 3.18" wide LCD with Backlight
<b>Memory</b>	128MB SDRAM / 256MB NAND Flash
<b>Input</b>	QWERTY keyboard
<b>RF</b>	UMTS/HSDPA, GSM/GPRS/EDGE
<b>Camera</b>	2M AF or 3M AF or 3M
<b>I/F</b>	µSD card slot x 1, microphone, speaker, Stereo headset port, USB port, A-GPS, Bluetooth
<b>RF</b>	UMTS/HSDPA Band I, Band IV, Band V GSM/GPRS/EDGE 850, 900, 1800, 1900

Table 1

## 2. Specifications

This module is designed on customer specific demand and will be inserted in a Sharp device.

The deimos module consists of two parts: the main board and the sub board.

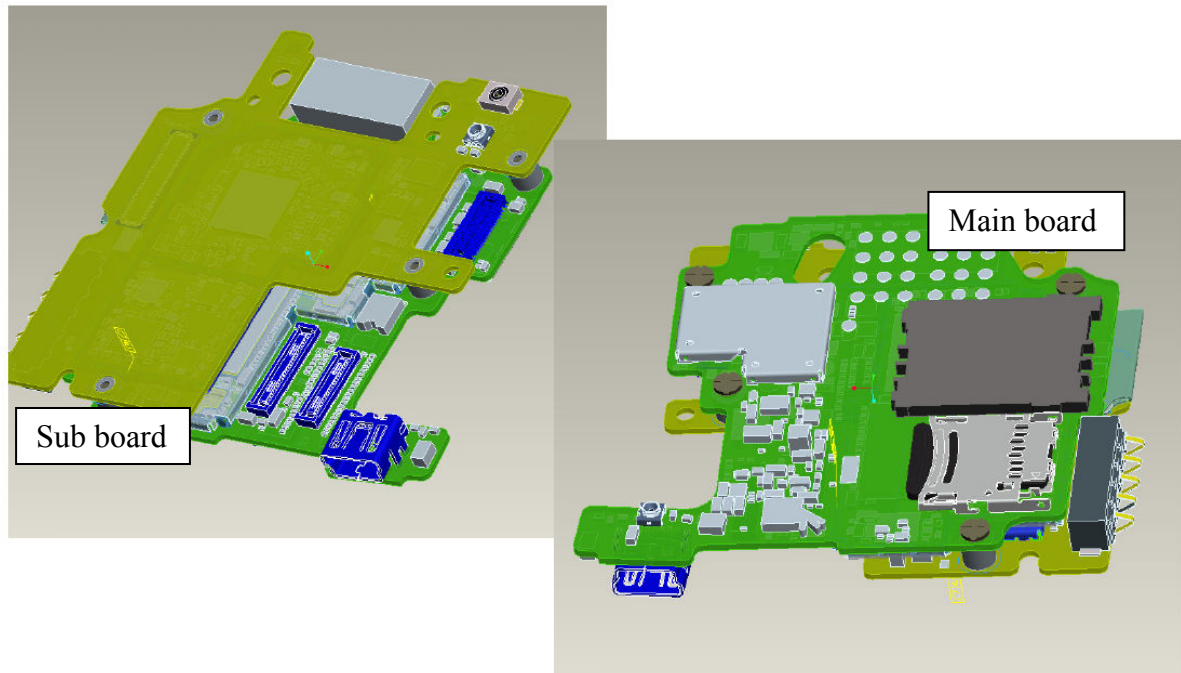


Figure 1: Top view of main and sub board

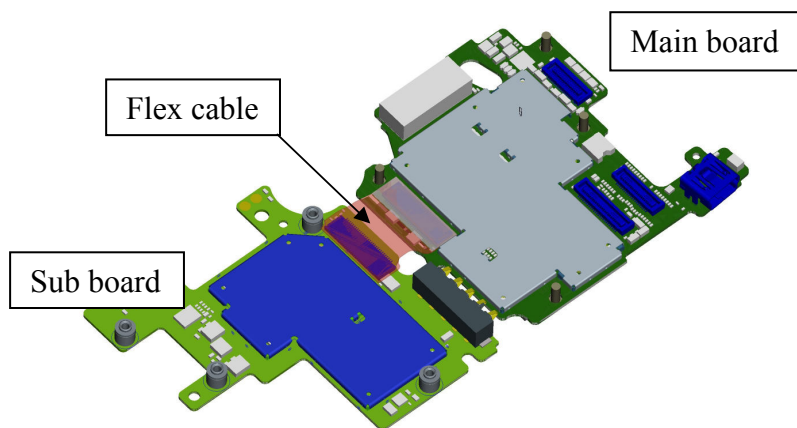


Figure 2: Bottom view of main and sub board

### 3. Layered communication model

Option doesn't offer any Software to communicate to the module. The end-user software is engineered by an external company.

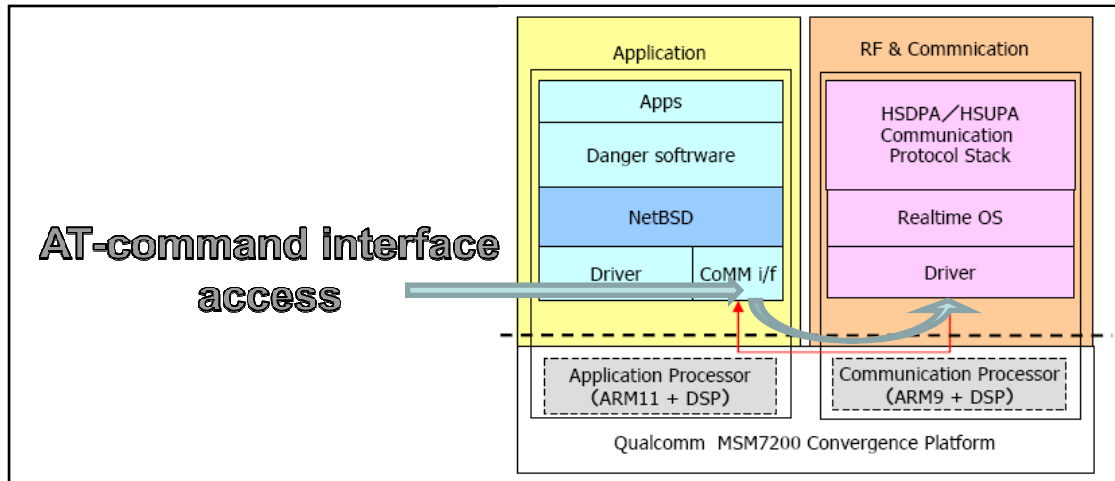
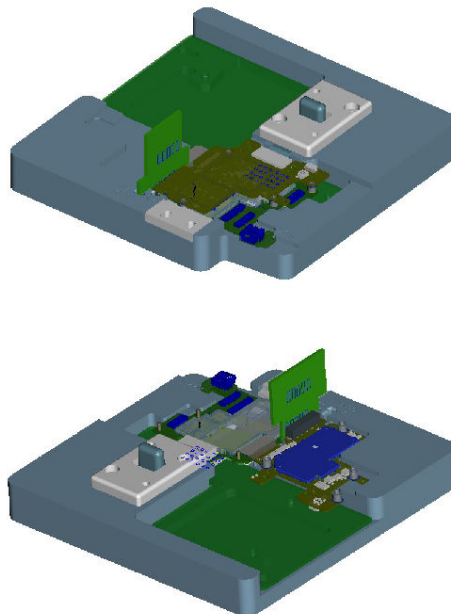


Figure 3: Layered communication model

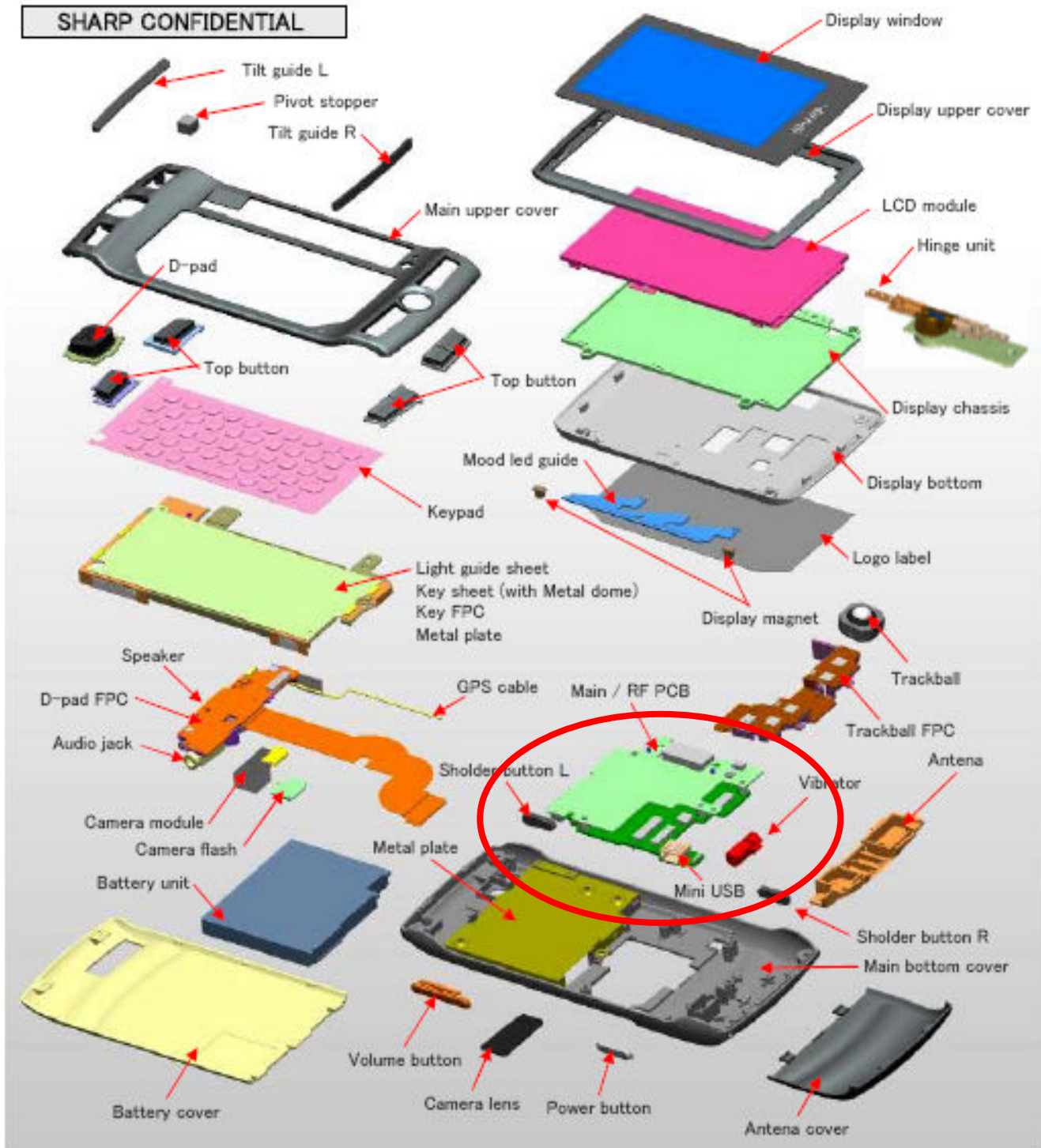
For testing purposes, Option uses basic tools like HyperTerminal to communicate to the device.

Because the module needs a host for testing purposes, Option created so called 'cradles' to be able to communicate to the device.



## 4. Assembly of end device

The picture underneath shows how the Deimos device will be integrated in the end device.



## 5. Warnings

This module may only be installed by the OEM or an OEM integrator. Only antenna(s) documented may be used with this transmitter. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.