


—

Technical Document


—

I7780 Change Description

	type: Technical Document title : I7780 Change Description	Page : 2 / 5 Version: 1.0 Date : 29/01/08
---	--	---

UPDATE

version	Date	Nature of modifications	Author
1.0	29/01/08	Creation	RdIT

	type: Technical Document title : I7780 Change Description	Page : 3 / 5 Version: 1.0 Date : 29/01/08
---	--	---

INTRODUCTION

I7780 A has been moved to I7780 B for manufacturing purposes. We took advantage of the update to make some minor changes.

1. CHANGES DESCRIPTION

I7780 contains just a mother board, with basically a micro (and related electronics), Bluetooth module, keyboard and power supplies. Moreover, I7780 is powered via Li-Ion battery

I7780 A	I7780 B
MER237C	MER237F
BTv3 Bluetooth module	BTv3 Bluetooth module
INT306G (Keyboard)	INT306G (Keyboard)
INT276F (battery)	INT276F (battery)

Therefore, as modifications only apply to mother board, we'll explain modifications related to this PCB.

MER237 has changed its layout in order to assembly new magnetic card connector and also we've added ICT for manufacturing purposes. To improve terminal performance in terms of EMIs we've added 2 layers to MER237F.

1.1 MER237 schematics

I7780 A Schematics

MER237C_schem.pdf

I7780 B Schematics

MER237F_schem.pdf

1.2 MER237 layout

I7780 A gerbers

MER237C_gerbers.pdf

I7770BAS B gerbers

MER237F_gerbers.pdf

Layout has changed; main difference is that in new MER237 PCB has 6 layers instead of 4.

1.3 MER237 part list

I7780 A part list

MER237C_partList.pdf

I7780 B part list

MER237F_partList.pdf

Minor changes in the part list.