



HP Touchsmart IQ506 CMOS Battery (Quick and Dirty)

If the battery in your HP IQ506 is dead or you are changing it due to age, this guide will show you how to replace it without a complete system disassembly.

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INTRODUCTION

Is the CMOS battery in your HP IQ506 dead (or you need to quickly diagnose a motherboard or BIOS setting problem) this guide will show you how to remove the battery without complete system disassembly.

Note: While this method eliminates the need to disassemble the system, this procedure may be difficult for some users to do. **If you have any doubts you can do this, disassemble the system to avoid dropping the battery behind the EMI shield. THIS IS AN INTERMEDIATE SKILL REPAIR.**

Note: ESD safe tweezers are highly recommended for this procedure. If you do not use these and touch a component of the motherboard you may do significant damage to the motherboard. It is recommended for this guide because of the working tolerances available.

If you drop the CMOS battery, follow this guide to remove it from the system: [IQ500 Series full disassembly](#). *Read this before attempting this battery replacement method so you can decide which method you want to use.*



TOOLS:

- [64 Bit Driver Kit](#) (1)
- [Precision Tweezers Set](#) (1)



PARTS:

- [CR2032 Lithium Battery](#) (1)

Step 1 — Unplug the power cord



- Shut the computer down and then unplug the power adapter.

Step 2 — Lock the stand



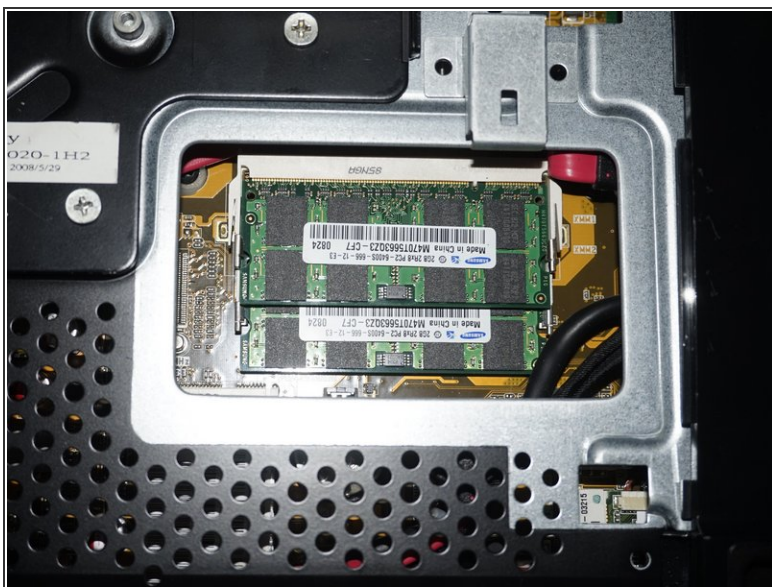
- Lock the system stand before starting. Hold the stand up, while pushing the locking tab towards the side that locks the stand in.

Step 3 — Remove the screw on the RAM door



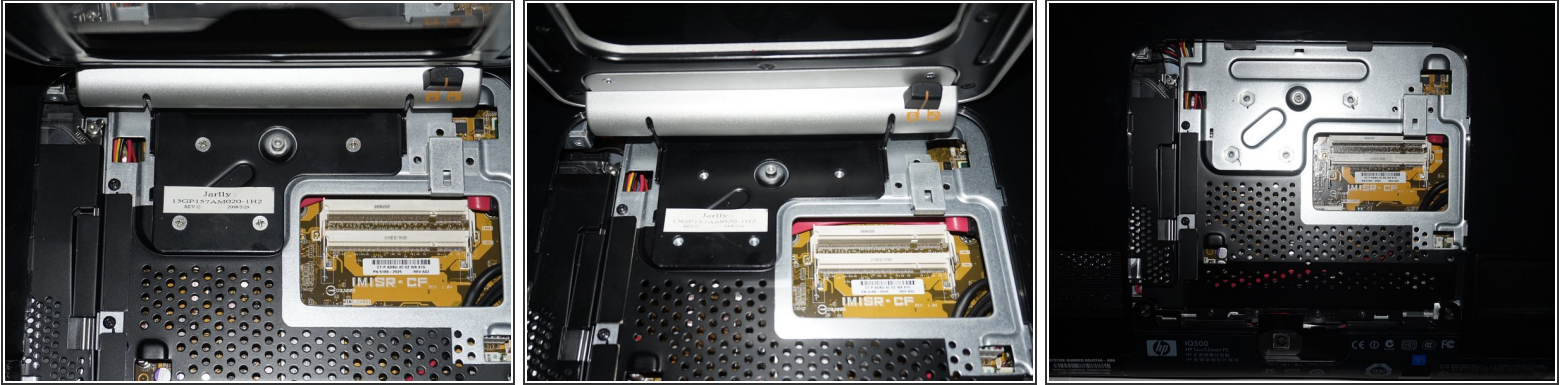
- Remove the screw on the RAM door. Once you remove the screw, unclip the RAM door.

Step 4 — Remove the RAM



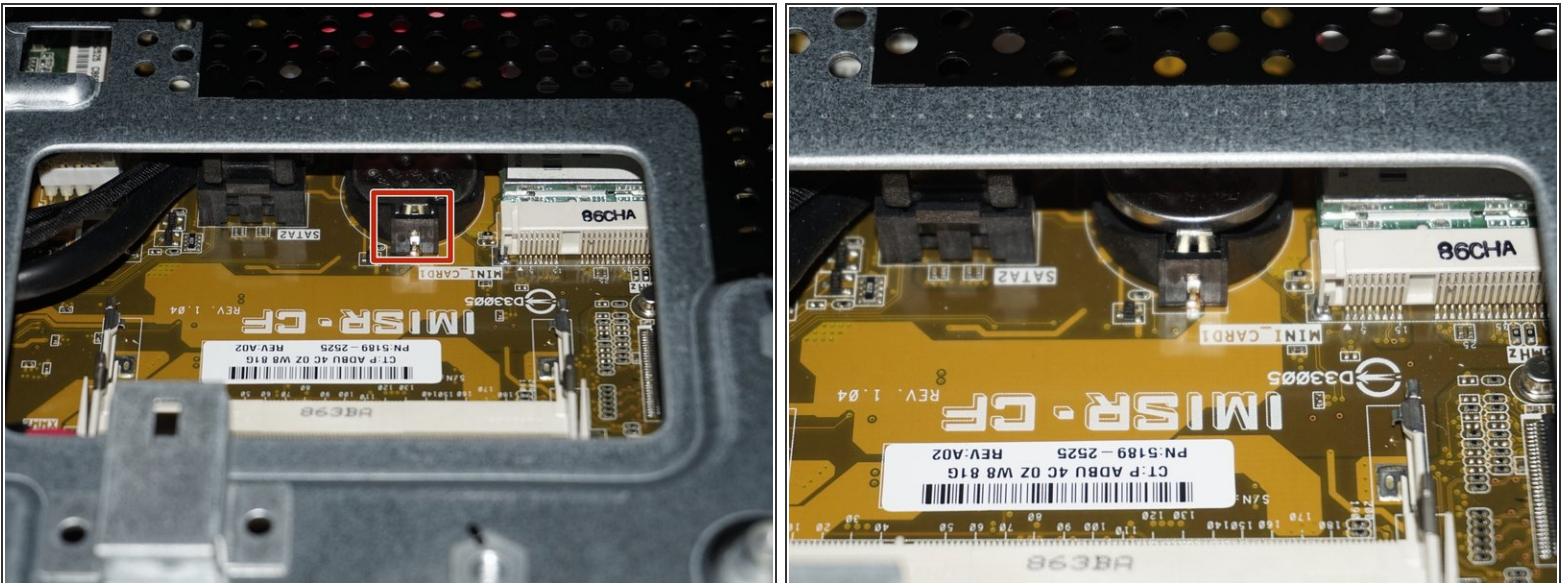
- Unclip the RAM from the RAM slots in the machine. Put the RAM in a ESD safe bag, if you can.


Step 5 — Remove the stand



- Remove the 4 screws from the stand. Once you do this, remove it from the system.

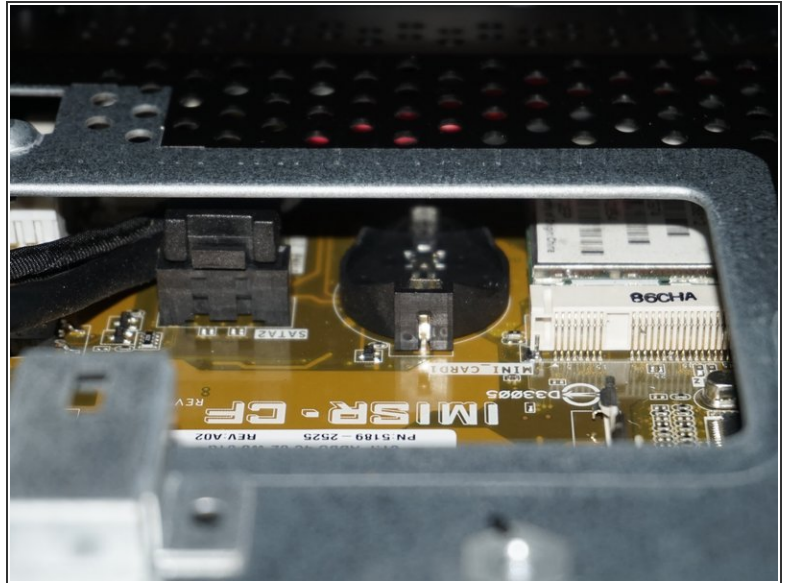
Step 6 — Removing the battery: Part 1



 This is when the guide starts to get advanced. DO NOT continue unless you know how to open this machine up and remove the EMI shield covering the motherboard, just in case the battery falls in!
Make sure you use blunt ended tweezers for this.

- Unclip the top of the battery using your fingernails. You do not need to use the tweezers yet.

Step 7 — Removing the battery: Part 2



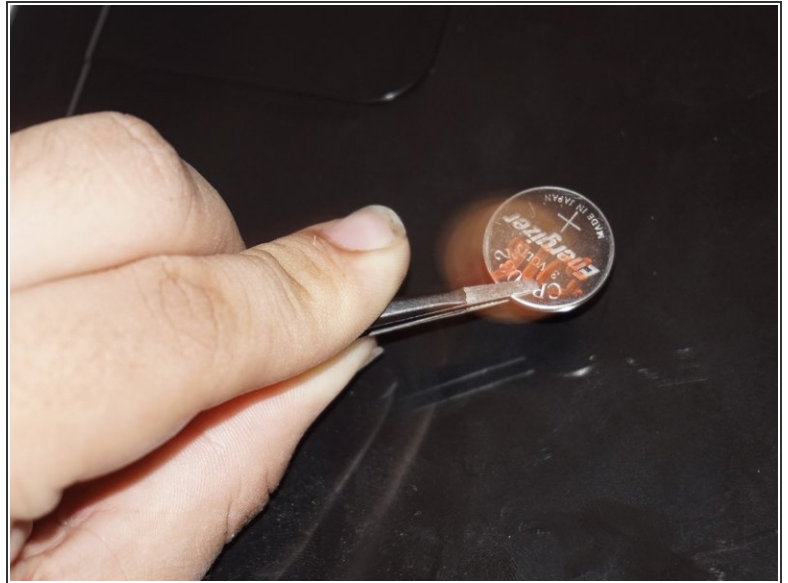
- With the battery unclipped, go in the machine with your tweezers. Pull the battery out while keeping a firm grip to avoid dropping it in the machine.

Step 8 — Optional: Identify when the battery was replaced



- Put a note on the RAM door out of sight or write the replacement month and year.
- If you replaced the battery in May of 2016, you would write **5/16** on the battery. If you wanted to write the month, date and year down, you would have to put a note behind the RAM door.

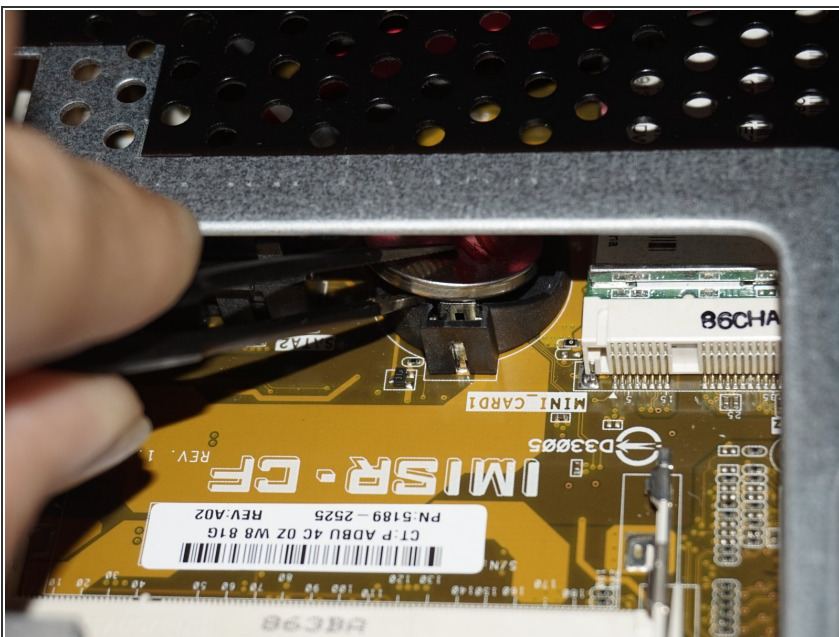
Step 9 — Replacing the battery: Part 1



⚠ Make sure you do not drop the battery in the machine here. This is even more crucial.

- Open the new battery, and grab it with the tweezers. **Do not grab too much it will fall in, but not enough it won't stay in your tweezers. You want to grab this battery somewhere in the middle.**

Step 10 — Replacing the battery: Part 2



- With the battery in the tweezers, **slowly** slide the battery in the clip. Once you have it in, **put one finger on the battery while removing the tweezers.**

Step 11 — Replacing the battery: Part 3



- With the battery in the clip, push down on the battery to lock it in the system.

To reassemble your device, replace the stand, RAM and RAM door. You will also have to reconfigure the BIOS. The machine will resort to checksum defaults since the battery was removed.