



iPhone XS Max Single SIM Card to Physical Dual SIM Card

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INTRODUCTION

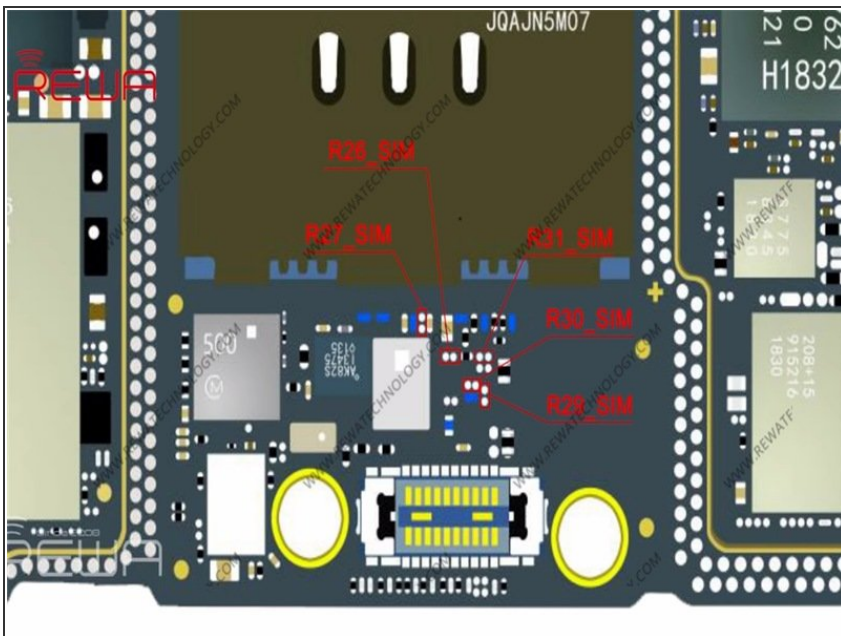
A physical dual-SIM iPhone XR/XS Max can be fascinating. However, only the special edition of the new iPhones for China supports two plastic SIM card slots instead of eSIM technology. If you've ever wanted two phone numbers on one iPhone XR/XS Max, check out the video now. Learn how to transform the regular nano-SIM slot of iPhone XS Max(American version) into a physical dual SIM version.

Step 1 — Test



- Insert the SIM card. Go to Settings - General - About. We can see that there are two IMEI numbers, which means that the phone features dual-SIM support with an eSIM as well as a regular nano SIM card.
- Spread out the dialer board and make a phone call. We can only place a call with the physical SIM card installed.

Step 2 — Theory

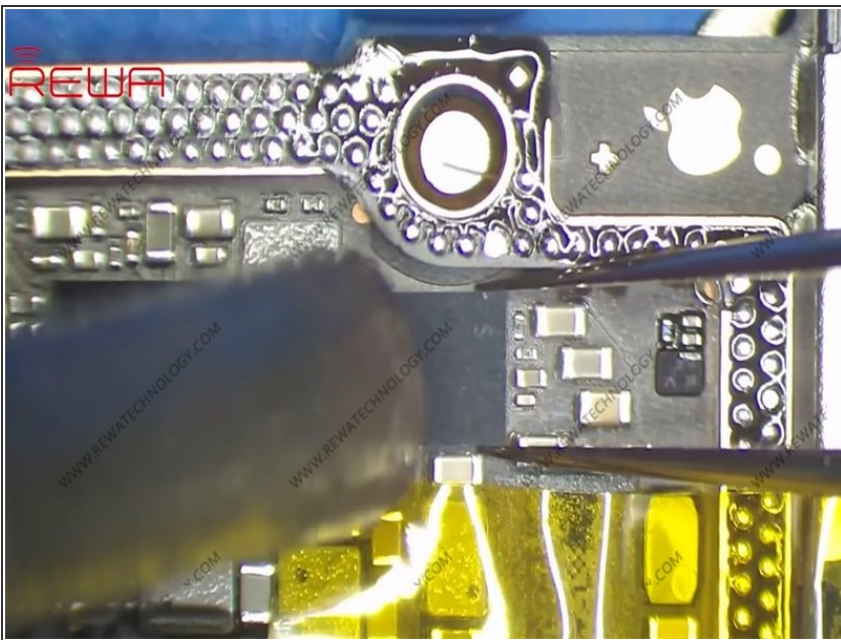


- To transform the regular nano-SIM slot of iPhone XS Max into a physical dual SIM version, the first

thing we do is to detach U_SIM from the board.

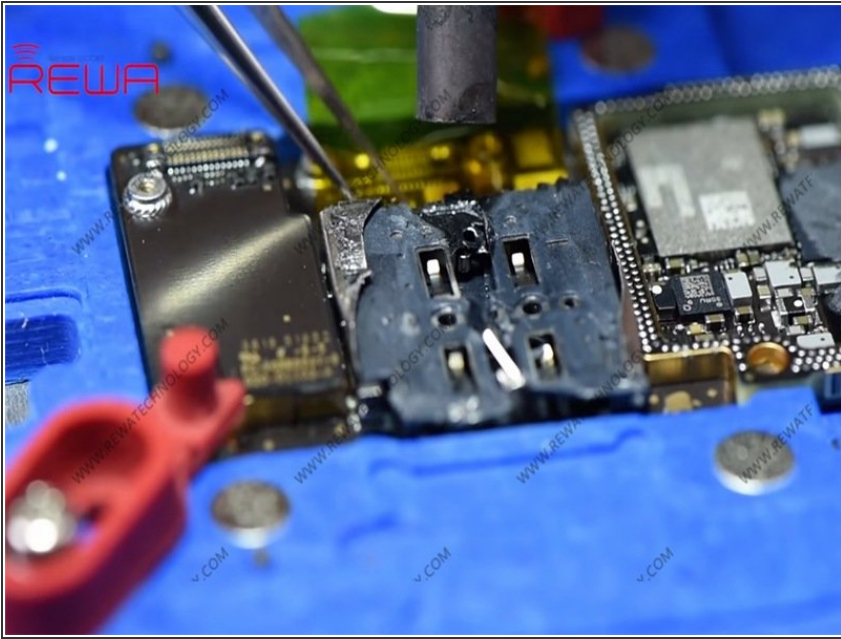
- Then solder components to R30_SIM, R27_SIM, R26_SIM, R31_SIM, and R29_SIM. Replace the SIM card reader with a new dual-SIM card reader and the job is done.

Step 3 — Remove U_SIM



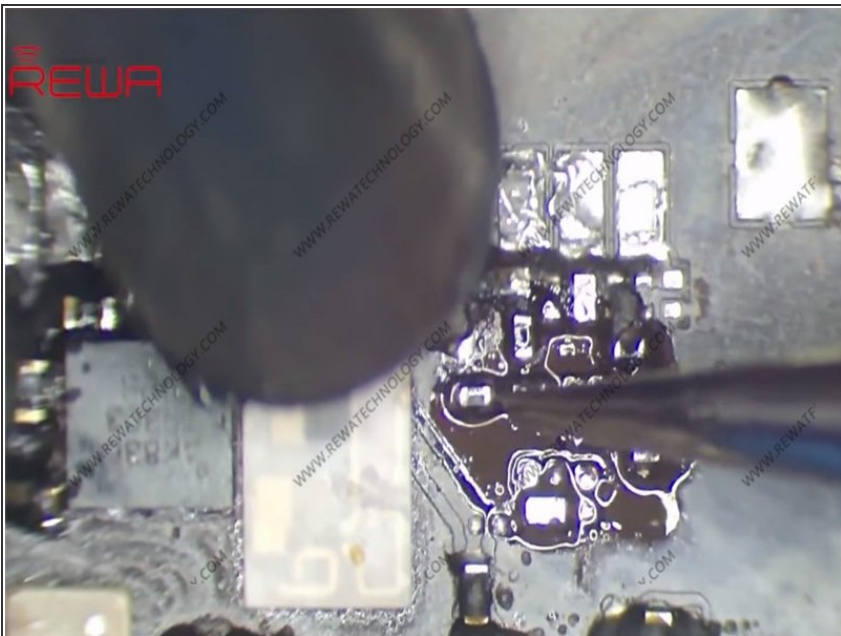
- Place the motherboard on the platform. Separate the motherboard first.
- Stick high-temp tape on components around U_SIM. Detach U_SIM from the board with Hot Air Gun.

Step 4 — Remove the SIM card reader



- The SIM card reader is soldered by high-temp solder paste. To protect components around from high-temp damage, we need to cut off the metal part of the reader with Cutting Nipper.
- Then continue to stick high-temp tape on components around the reader. Apply some Paste Flux around the SIM card reader and remove the SIM card reader completely.

Step 5 — Solder Components

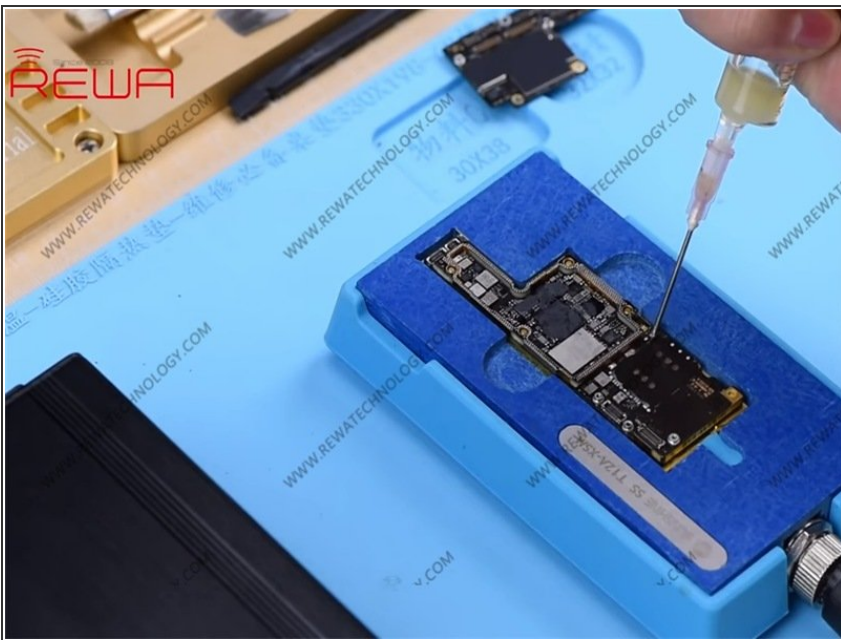


- Apply Paste Flux to bonding pads of R30_SIM, R27_SIM, R26_SIM, R31_SIM, and R29_SIM. Then

apply solder paste to these pads with Soldering Iron.

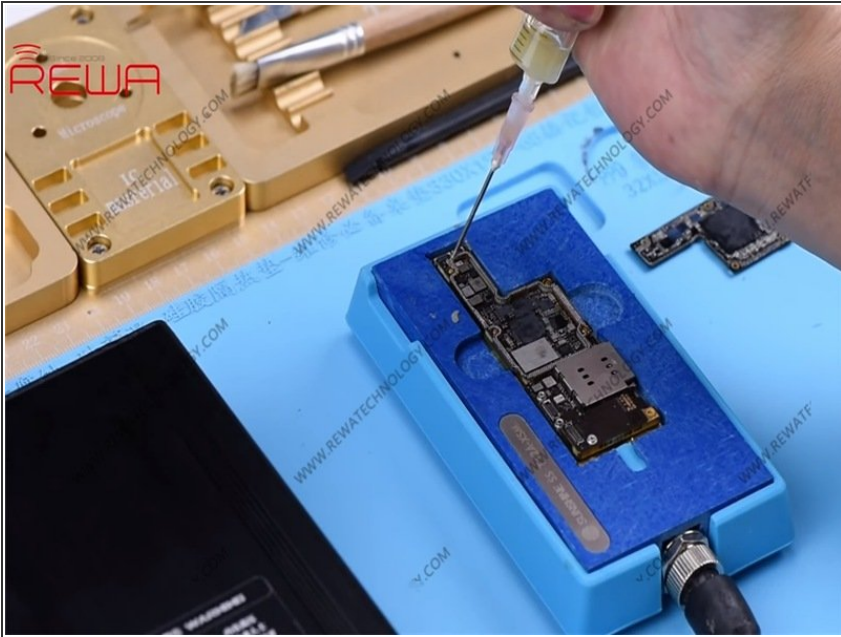
- Continue to solder four inductors respectively to bonding pads of R27_SIM, R26_SIM, R31_SIM, and R29_SIM. Then solder a 4.7K resistor to the bonding pad of R30_SIM.

Step 6 — Solder dual-SIM card reader



- Apply some Paste Flux to the bonding pad of SIM card reader. Get a new dual-SIM card reader in position and then heat.

Step 7 — Solder Motherboard



- Now, we need to reball the lower layer. Once completed, solder the two layers together.

Step 8 — Test



- Get a SIM tray with dual-SIM card support and install two SIM cards of different carriers to the tray. Then

insert the SIM tray into the phone completely.

- Hold the power button to turn on the phone. The icons in the status bar at the top of the screen show the signal strength of your two carriers.

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 - ["How To Restore True Tone After Screen Replacement On iPhone XS"](#)
 - ["How to Fix iPhone X Face ID Not Available"](#)
 - ["How to Fix iPhone X Face ID Not Working After Screen Replacement"](#)
 - ["Upgrade iPhone X 64GB Storage To 256GB In 5 Steps"](#)
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