

RN524X Memory Upgrade

The purpose of this document is to provide details about how to upgrade the AM on a ReadyNAS 524X.

Warranty Warning

Following this procedure will void the warranty. You have been warned.

Memory Specification

According to representatives on the user forum, following memory is used on the RN524X

1. DDR4-1866
2. 32gb max, 2x16gb. 4gb installed from factory
3. 260pin
4. ECC UDIMM

I opened up my RN524x and found the following memory was installed:



This memory matches the specs given by reps on the forum, but is slightly faster at DDR4-2133. I would assume that even though the memory is spec'd higher, it will run at 1866, which is normal.

How to Access RAM slots

The following procedure will provide access to the RAM slots to inspect or replace the memory.

1. Unscrew the screws holding the black cover, located on the back of the unit:



2. Slide the black cover back and up to remove it



3. Remove more small screws from the back panel in order to remove the panel. do **NOT** remove the screws holding the fan in place. They are slightly larger screws.



4. Unplug the fan wire from the 4-pin jumper and remove the back panel



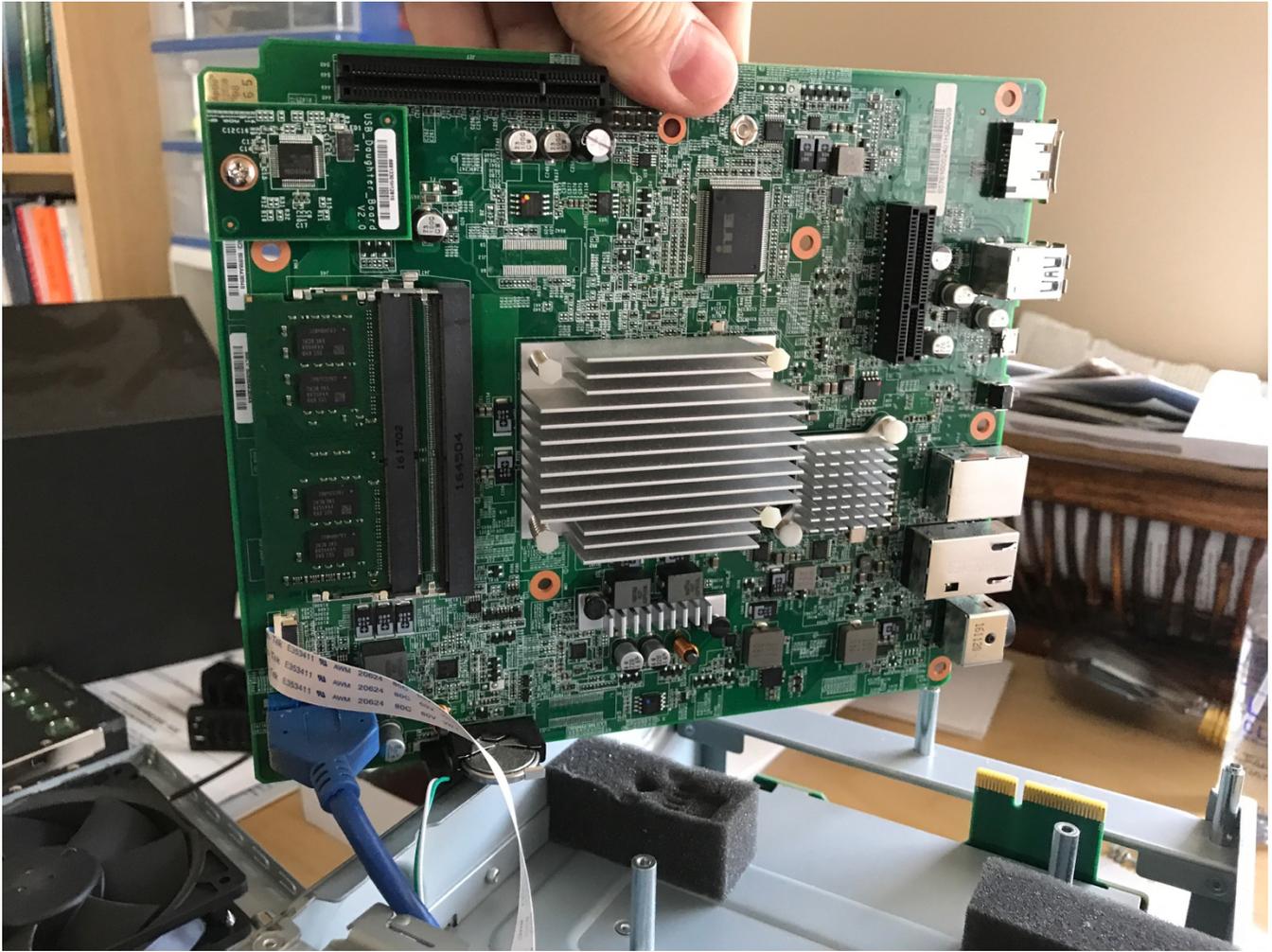
5. Remove the larger screws holding down the motherboard on the top of the unit.



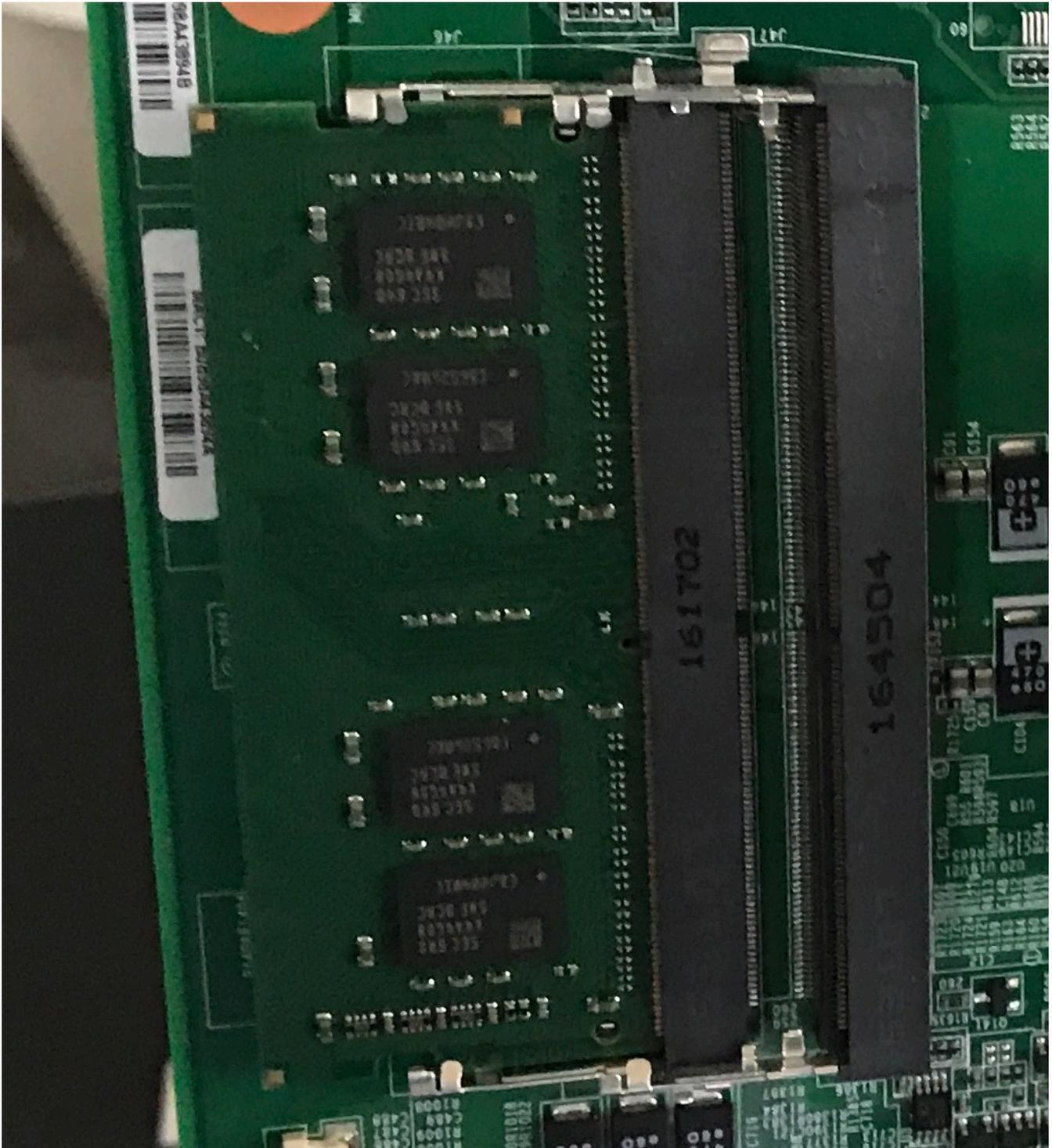
6. In order to remove the motherboard, gently lift straight up first in order to un-plug the motherboard from the disk drive interface board that is underneath. You can look under the motherboard before lifting to see the card/slot interface that will need to disconnect.



7. Once the motherboard has disconnected from the drive interface board, you can tilt the motherboard up and over to expose the underside, do this gently so as not to disconnect any other cables.



8. The memory slots are at the left side. Release the metal clasps to release the memory simm so that you can pull it out.



1. That's it. Putting it back together is everything in reverse.