

How to install a WiFi kit into an eBox-2300



Courtesy of: Jason Summerour

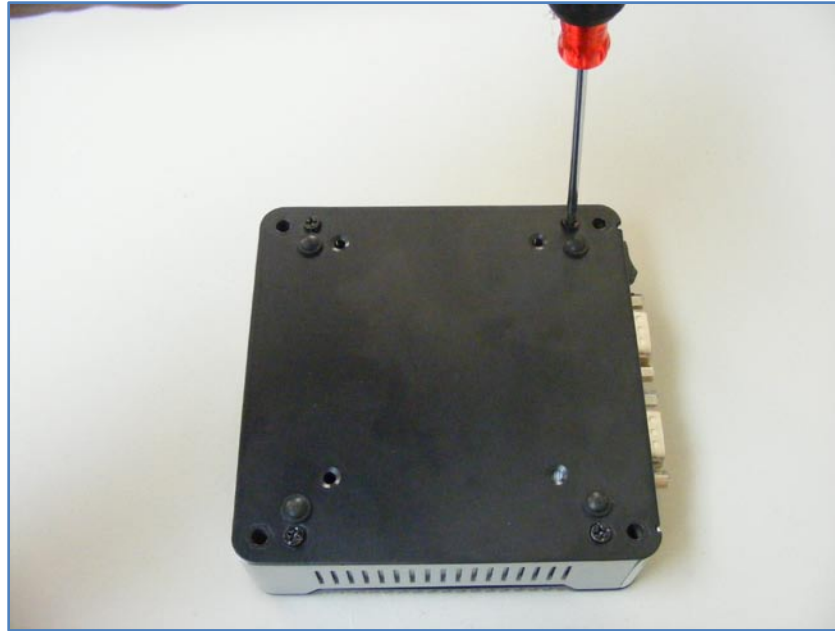
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www.RoboticsConnection.com

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Here is a handy How-To to show customers how to install a WiFi Kit into an eBox-2300.

1. Remove four phillips head screws from bottom of eBox-2300 as shown:



2. Pry top off using wide flat head screw driver. You will want to place the head of the screwdriver between the top of the eBox-2300, and the CPU heat sink inside the eBox-2300, then pry. There is a very sticky heat transfer material that keeps the CPU in contact w/ the top of the eBox-2300 to transfer heat properly. This sticky material prevents the top from coming off easily.



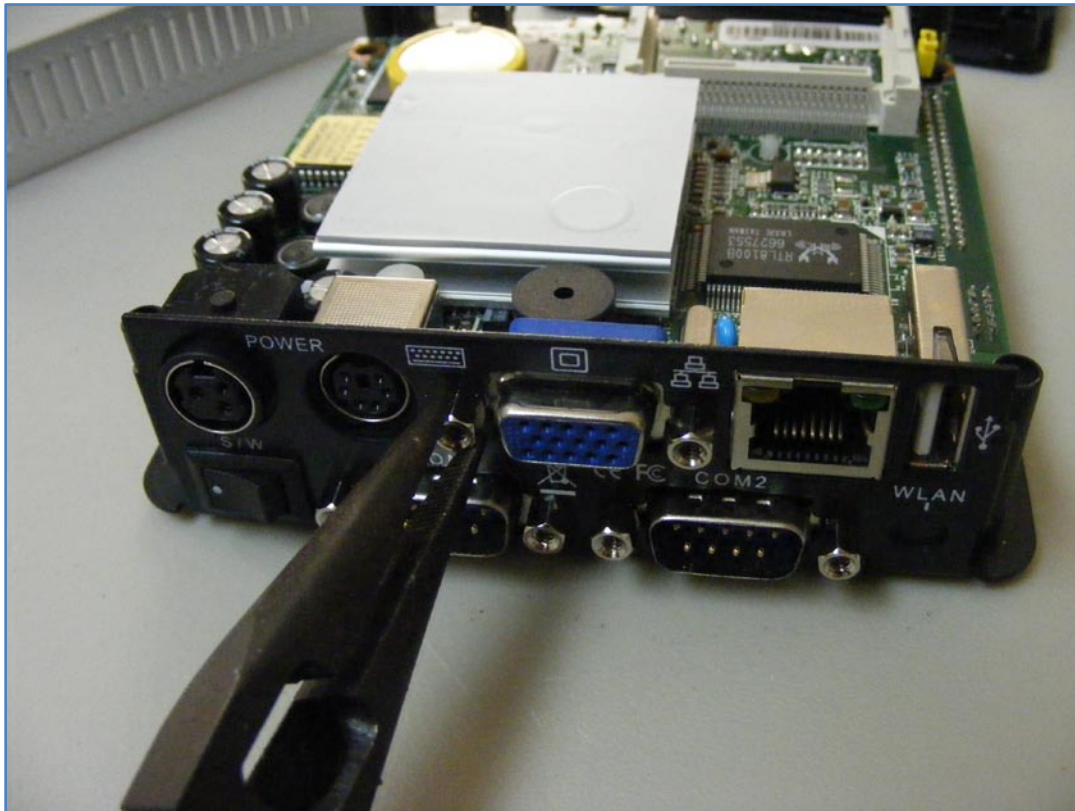
3. Here, you see the white heat transfer material that prevents the top from coming off.



4. Remove the side casing from the eBox-2300 as shown.



5. Remove the hex bolts from the rear of the eBox-2300 as shown. There are six hex bolts total to be removed.



6. Pick up on front of eBox-2300 motherboard, and slide it out as shown. NOTE: The motherboard actually fits over the round standoffs, so it is a tight fit. You'll need to pick the board up slightly, then pull it out.



7. The motherboard won't totally detach from the eBox-2300 chassis because of the power switch/wiring. While installing the WiFi Kit, simply lay the motherboard beside the chassis as shown.



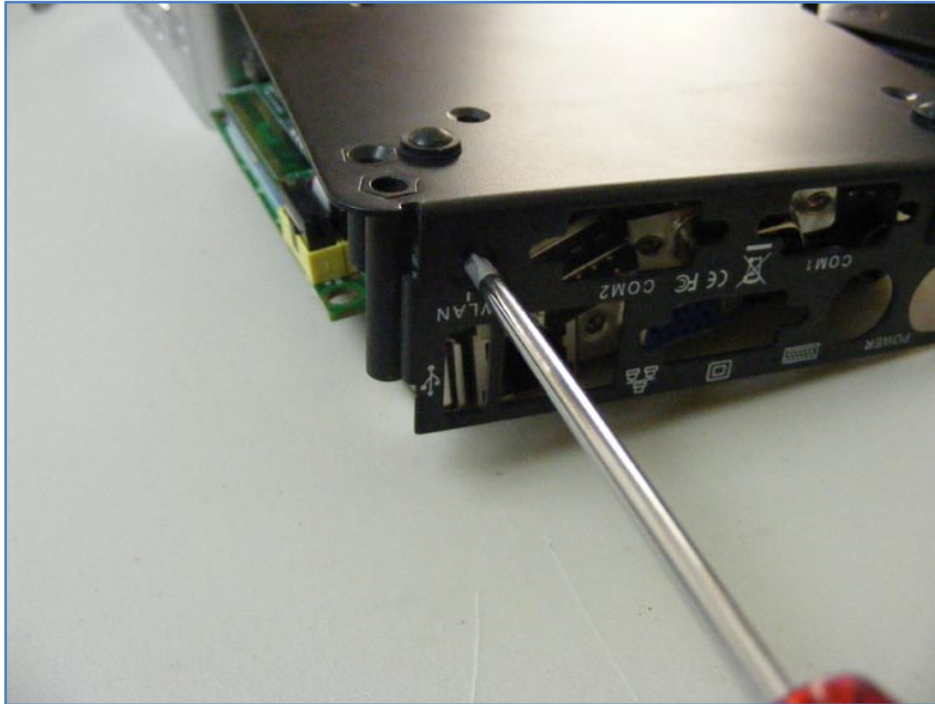
8. Insert mini-PCI WiFi card into the eBox-2300 motherboard at an angle, then snap it in by pressing down as shown.



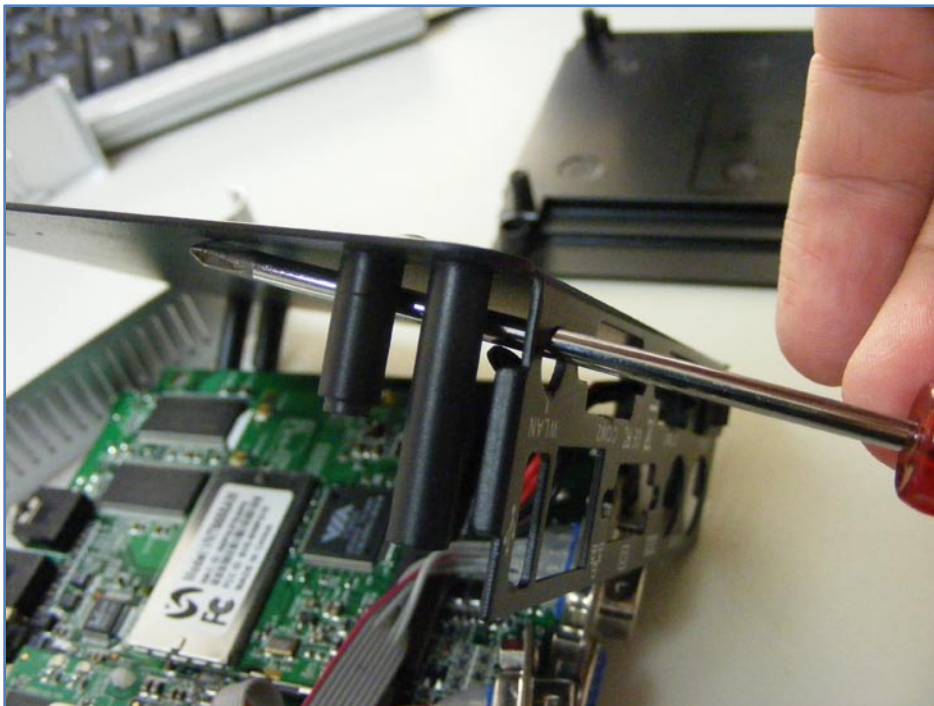
9. The WiFi card should be fully inserted as shown below. NOTE: Make sure the metal clips snap into the side of the card.



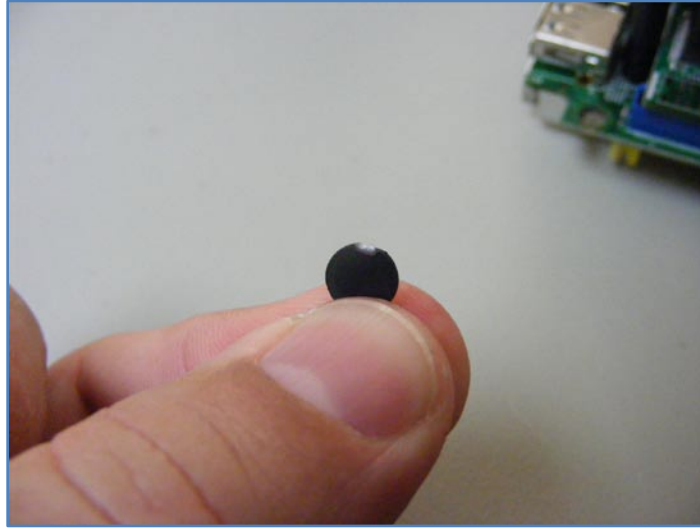
10. Punch out the WiFi antenna hole cover on the rear of the eBox-2300 chassis. You can use a small Phillips head screw driver to do this, but be careful to not damage the electronic components by using too much force.



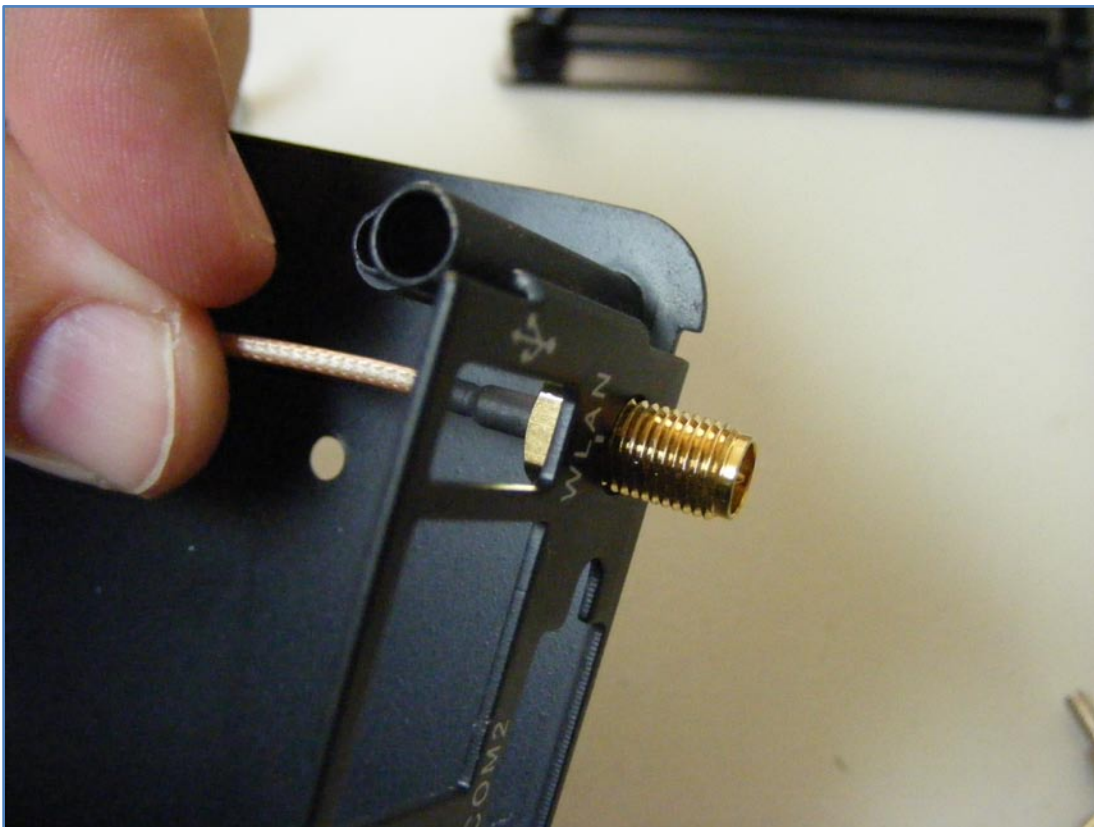
11. Here is a picture of the screw driver punched through the hole.



12. The small, round piece of metal that covered the antenna hole should be fully removed, and discarded so as to not short any electronics.



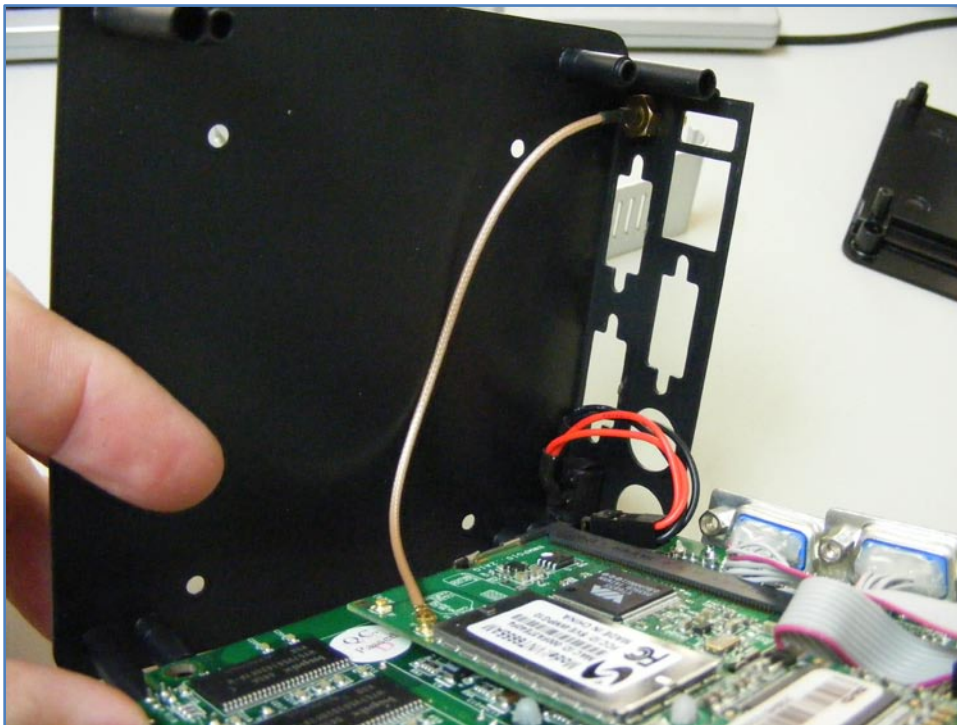
13. Place the WiFi Antenna thru the WiFi Antenna hole from the inside-out.



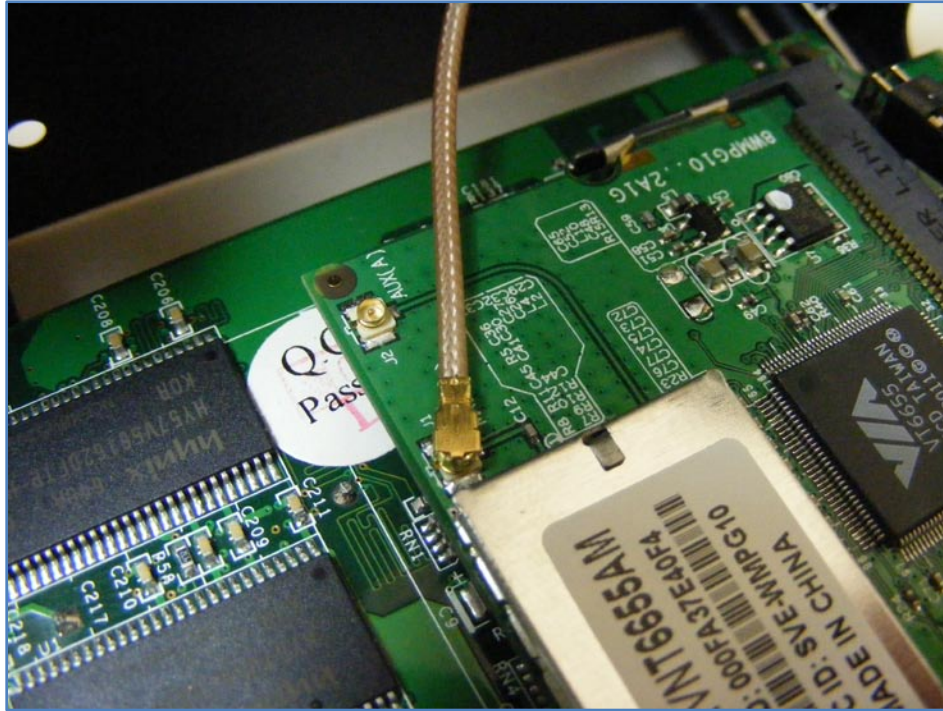
14. Secure the WiFi Antenna using the nut as shown. Make sure you don't mangle the threads on the antenna connector!



15. Connect the other end of the antenna cable to the mini-PCI WiFi card as shown



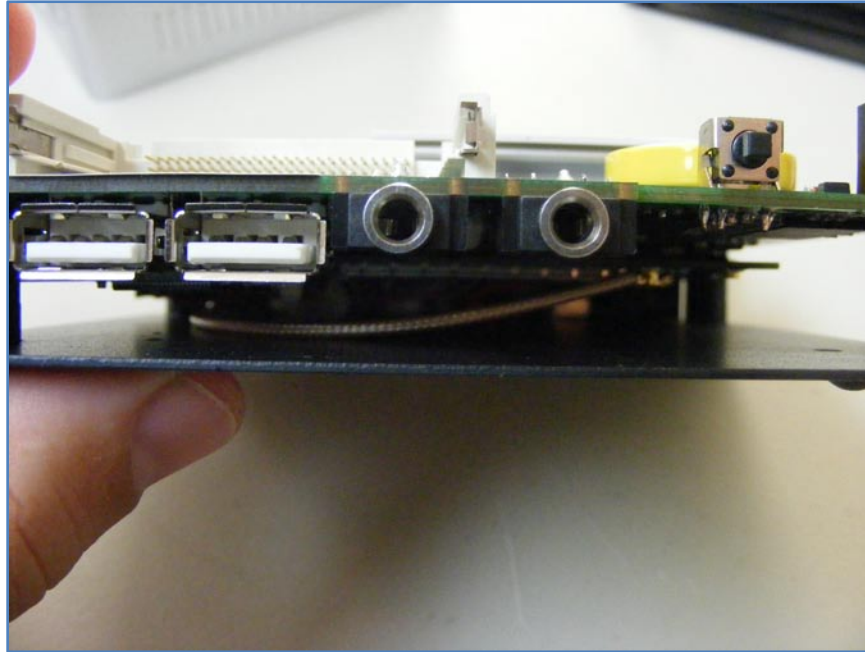
16. Here is a close-up of the antenna connected to the mini-PCI WiFi card.



17. Replace motherboard back into chassis, making sure the WiFi antenna doesn't pop off. Also note that the motherboard holes will actually fit over the top of the standoffs as shown. So, it will fit snugly, and snap in.



18. Double-check, and make sure the WiFi antenna is securely attached, and routed smoothly.



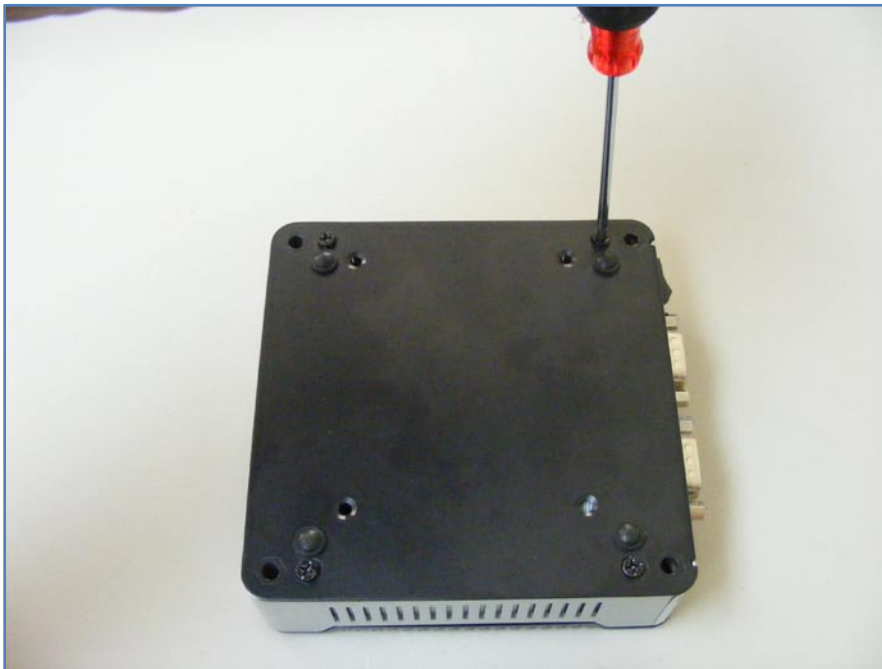
19. Secure motherboard with six hex screws you removed in step 5.



20. Replace eBox-2300 side casing.



21. Replace top of eBox-2300, then secure with the Phillips head screws you removed in step 1



22. Attach antenna, and you're ready to go!