

I figured I would do a little write up on the installation of my CF-19 fingerprint reader for those interested. I did not have a install manual so I am not sure if this is how the factory installs the reader but it is installed and working great so it should work if you attempt it yourself. All of the pictures are clickable to see a bigger view. There are also more pictures not listed here in the album.

The part number for the CF-19 kit is CF-WFP191R and the cost is around \$152 from heartland.

Here are the kits contents:



Before you start try to have a clean area. Remove your battery and HDD caddy. Make sure that no power sources are connected when disassembling the toughbook.

Next you need to flip the toughbook over and take out the 13 screws I circled in red. (They are all the same kind of screws)



Then flip open all the plastic port covers and lift off the bottom cover.



Next you need to peel back the plastic covering on the front where the fingerprint reader is going to be installed this will reveal two screws that need to be removed to take out the plastic block out plate.

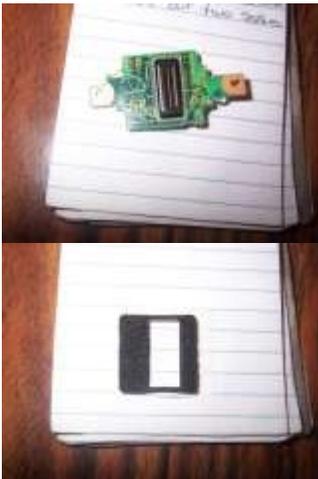




Then take out your new fingerprint reader PCB and position the small rubber cushion in the rectangle box on the back of the PCB.



Next we need to install the front water seal gasket to the front side of the Fingerprint PCB.





At this point I installed the small ribbon connector into the back of the fingerprint PCB and pushed down the locking tabs to secure it.



Now we can put the plastic port cover on the new front plastic plate.



Then put the Fingerprint reader PCB into the back of the plastic front cover.



Now put the plastic cover and the PCB into its place in the front at this time I would put the small ribbon connector in the CN803 connector as you are installing the front cover and PCB. The ribbon cable is very small and hard to get into the connector inside the toughbook if you secure the reader first. Once the cable is installed and locked in then use the two new screws to secure the cover and PCB to the toughbook.



We are almost done now you need to install the ribbon cable protective sheet over the cable to prevent the battery from snagging the cable and tearing it out. Peel the backing tape and stick in on as shown in the picture.



Ok now it is time to install the two front plastic sheet covers to hide the two mounting screws. Peel the backing and stick in place.





Now put the bottom back on by securing the 13 screws you previously took out and then push all your port covers back in.

Turn the computer over, install the HDD and battery and boot up. Windows will try to install drivers. You need to point it in the right direction which will be in the `C:\util\drivers\fngprint`

If you do not have that directory you will need to download the drivers from the Panasonic website and extract them. It may try to extract them into `C:\util2\drivers\fngprint`

The software is also in that folder. After the drivers are installed then run the `setup.exe` and install the software reboot and setup your new fingerprint reader. The software that comes with the reader is V.5.6 . There is a newer version out V.5.8 that has more features but is hard to find. Please PM me if you want the new version and I will email it to you. The newer version is much better and has a few extra things that are useful like a personal safe that you can lock and unlock with your finger.

So far the fingerprint reader is a great addition to my CF-19. It is much easier to use the fingerprint to log into windows and all the websites that I go to instead of having to remember and type in my user name and password everywhere. I have had several people try to swipe there finger and see if it works and so far no one has been able to get in but me. I set the security a little higher in the software so it will read the finger much better.

The software has a lot of great features like power on password. This is where you can require a fingerprint to start the computer. Nice feature. It also has a personal vault that you can store files in and open the folder by swiping your finger. You can encrypt files as well and have them locked until a finger is swiped.

I recommend the upgrade to anyone it was fun and works really good.

Any questions feel free to PM me.

-James