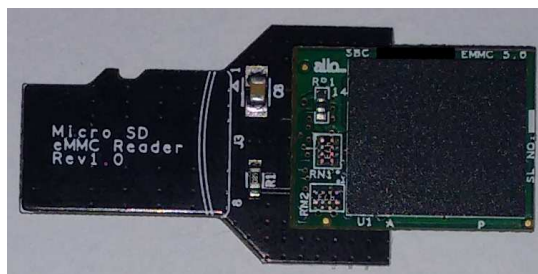
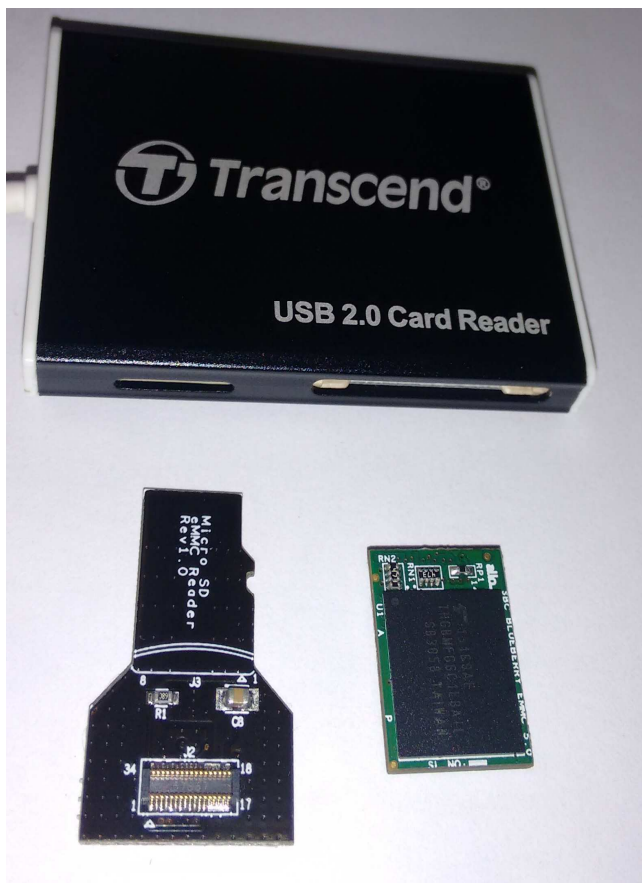


How to access the eMMC module with the eMMC reader

Requirements:

1. USB Memory card reader.
2. eMMC Reader PCB.
3. eMMC Card (8GB/16GB/64GB).

Assemble the eMMC card ,eMMC reader PCB and USB Memory card reader as shown in pictures. Insert the USB memory card reader in to computer and follow the OS Image writing procedure given below.



OS Disk image(.img) Write procedure into eMMC card

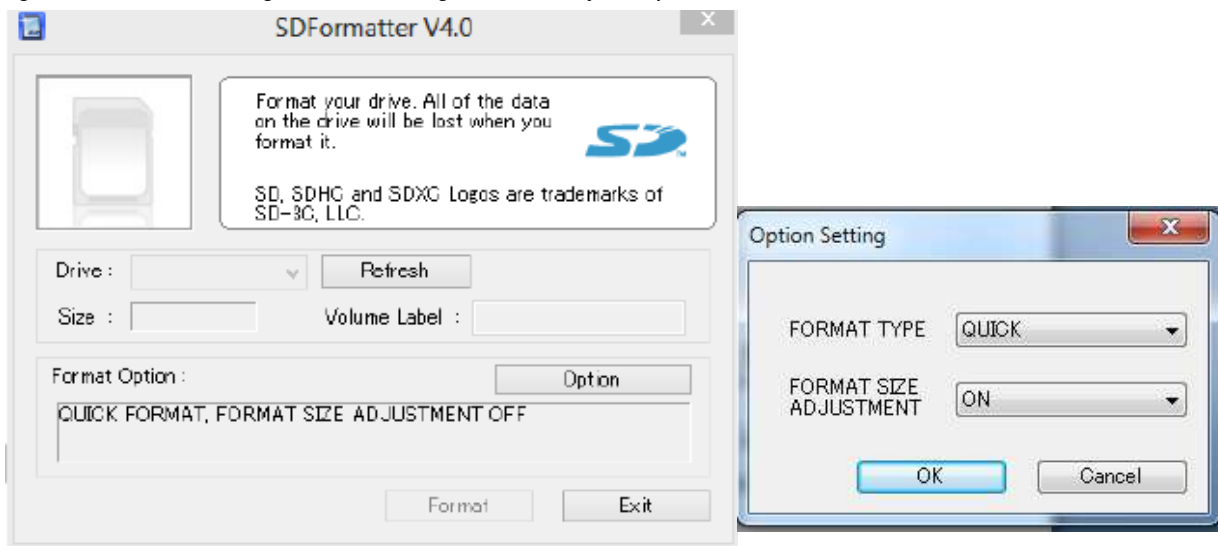
ON Windows PC:

- You can download latest OS image from Sparky website , extract using 7-Zip extractor.
- Format eMMC using SD Formatter Tool 4.0, refer Memory card formatting steps.
- Using Win32Disk Imager tool write OS disk image to eMMC – refer Disk Image write steps.



Memory card Format steps:

Start the tool as Administrator (Select appropriate Drive before formatting)

In the "Options" menu, set "FORMAT TYPE" option to QUICK, set "FORMAT SIZE ADJUSTMENT" option to "ON". And then click "OK" to finish options setting and click "Format" to format SD card. After formatting completion you will get indication showing that formatting successfully completed



Disk Image write steps

Start the Win32Diskimager application tool as Administrator. Select () proper memory Card drive under Device menu. Browse () **sparky_emmc_os_version.img** file and click "write" button to write the OS image into the Memory card. Wait patiently to successfully complete the writing.



On Linux PC

- **Formatting Memory card (if required)**

```
root@user# fdisk -l
```

```
root@user# umount /dev/sdx
```

```
root@user# mke2fs /dev/sdx
```

Note : x indicates the a,b,c,d....etc.

- **extract 7-Zip file using below command**

```
root@user# 7z e sparky_eMMC_os_version_img.7z
```

(file name which downloaded from sparky website)

now we get sparky_eMMC_os_version.img file

- **writing xxx.img file into micro SD card**

```
root@user# dd if=sparky_eMMC_os_version.img of=/dev/sdx
```

Note: in dd command if=(source path of .img file) and

of=(destination path)

Note : x indicates the a,b,c,d....etc.,

this copy may take 10 to 20 minutes depends on image size.

Tips : If the Memory card (eMMC /uSD) size more than 8GB , use parted tool – version 3.2 to resize the partition to use the remaining unused size.