



# DART-SD410 based on Qualcomm Snapdragon 410 Evaluation Kit Quick Start Guide

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## Setting the Host PC for Debug

1. Download any PC terminal program. Variscite suggests using [Putty](#)
2. Set PC terminal parameters as follows:
  - Baud Rate: 115200
  - Data bits: 8
  - Stop bits: 1
  - Parity: None
  - Flow Control: None

## Preparing images

1. The Package includes a microSD card which contains a recovery SD Card image for installing OS and recovery. The image can also be downloaded from Variscite FTP site.

## Booting and OS Burning

1. Insert included SD Card into SD Card slot (J3).
2. Set Boot select switch (SW3) to the ON position in order to boot from SD Card.
3. Plug a USB type A to micro B cable between the USB Debug connector (J21) and a PC USB port.
4. Power ON the VAR-SD410CustomBoard By plugging the wall adapter power connector into the 5V power jack (J18) and to a 120VAC~240VAC power source.
5. The system will read the image from external SD card and boot into Debian Release.
6. Navigate to `/media/linaro/OSes/Android` or to `/media/linaro/OSes/Debian` folder on the SOM using PC terminal program.
7. Execute update.sh script by running `./update.sh`  
This will flash the OS to the On SOM eMMC.
8. Wait till Done message appear.
9. Power off the VAR-SD410CustomBoard.

10. Set Boot select switch (SW3) to the OFF position to boot from the On SOM eMMC.
11. Power ON the VAR-SD410CustomBoard
12. Boot messages are printed in the PC's terminal window and the flashed OS will start.
13. For additional instructions follow: [https://variwiki.com/index.php?title=DART-SD410\\_Android\\_Getting\\_Started](https://variwiki.com/index.php?title=DART-SD410_Android_Getting_Started)

## Additional Support Links

- Wiki pages: [https://variwiki.com/index.php?title=Main\\_Page](https://variwiki.com/index.php?title=Main_Page)
- Variscite Customers Portal: <https://varisciteportal.axosoft.com/login>
- VAR-DVK-SD410: <https://www.variscite.com/product/evaluation-kits/dart-sd410-kits/>
- DART-SD410: <https://www.variscite.com/product/system-on-module-som/cortex-a53-krait/dart-sd410-qualcomm-snapdragon-410/>
- VAR-SD410CustomBoard: <https://www.variscite.com/product/single-board-computers/var-sd410customboard/>

**Thank you for purchasing Variscite's product.**

**For additional assistance please contact: [sales@variscite.com](mailto:sales@variscite.com)**