Features:

1. Power ON Switch (SW7)
2. 12V DC In Jack (J24)
3. USB Debug (J29)
4. micro-SD Card slot (J28)
5. USB 3.0 OTG (J26)
6. USB 2.0 Host (J23)
7. Gigabit Ethernet #0 (J21)
8. Gigabit Ethernet #1 (J20)
9. MIPI-CSI #1 Camera connector [optional] (J19)
10. Miscellaneous Header #1 (J17)
11. Wi-Fi and BT Antenna Connector
12. HDMI/MIPI-CSI #2 Camera connector [optional] (J13)
13. Mini PCI Express Connector (J15)
14. Miscellaneous Header #2 (J3)
15. SOM Connector (J1)
16. LVDS#B Header (J5)
17. LVDS#A/DSI Header (J7)
18. Fan Power Connector (J9)
19. Digital Microphone (U1)
20. Resistive Touch (J10)
21. Capacitive Touch (J11)
22. User Buttons (SW1, SW2, SW4)
23. Line-In Connector (J12)
24. Headphones Connector (J14)
25. Boot Select Switch (SW3)
26. SAI/I2C/SPI/CAN Header (J16)
27. Reset Button (SW5)
28. PWR Select Switch (SW6)
29. UART/PWM Header (J18)
30. RTC Battery Holder (JBT1)

Evaluation kit initial Setup

1. Carefully remove the 7” LCD and Symphony-Board from the package.

2. Connect the 7” LCD Display and Touch cables to the Evaluation Kit connectors J7, J11 respectively.

   Note: connect the display cable with the red wire on pin 1. Connect the touch cable with the metal contacts facing down.

3. Plug the USB type A to micro-B cable between the USB debug connector (J29) and a PC USB port.
Setting the host PC for debug

1. Download any PC terminal software (e.g. Putty).
2. Set the PC terminal software parameters as follows:
   - Baud Rate: 115200
   - Data bits: 8
   - Stop bits: 1
   - Parity: None
   - Flow Control: None

Booting from eMMC

1. Set Boot select switch (SW3) to “Internal” position to boot from the VAR-SOM-MX93 internal storage.
2. Plug the wall adapter into the 12V power jack (J24) and to a 120VAC~240VAC power source.
3. Set Power ON switch (SW7) to ON state.
4. Boot messages are printed within the PC terminal window.

(Re-)Installing the file system to eMMC

Please refer to the recovery SD card section in the Variscite Wiki pages.

Links

- Symphony carrier board: https://www.variscite.com/product/single-board-computers/symphony-board/
- Customer portal: https://varisciteportal.axosoft.com/login

Thank you for purchasing Variscite’s product.

For additional assistance please contact: sales@variscite.com