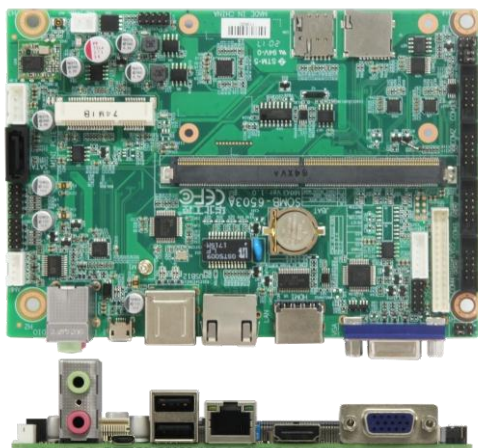


## SOMB-6503A

Industrial ARM Development Kit Industrial Control Motherboard Expansion Board



### Product:

- ◆ An extended baseboard of embedded industrial control motherboard for ARM development
- ◆ Industrial motherboard suitable for NORCO industrial control ARM development kit SOM-6503
- ◆ By means of 314Pin MXM3.0 to connecting finger extension function IO interface, and provide functional extensions SOM-6503
- ◆ Provide with VGA/LVDS/HDMI multiple display, 4x COM, 6x USB, 1x LAN, 1x SIM card slot, support WIFI, 1x SATA (Quad-core), with Micro SD card slot
- ◆ Support 1xMINI PCIe, Audio input and output and power amplifier function, support 2\*CAN BUS
- ◆ Size: 146mmx 102mm

### Specification:

|          |  |
|----------|--|
| Model    | SOMB-6503A   |
| Platform | Freescale ARM platform   |
| CPU      | With SOM-6503 core board , Freescale Cortex™-A9 i.MX 6 ( solo /dual / quad core ) processor  |
| Memory   | With SOM-6503 core board , 1GB DDRIII memory   |
| Storage  | With SOM-6503 core board, on board 8GB EMMC flash , 1x SATA(support quad core) , 1x Micro SD |
| GPU      | With SOM-6503 core board integrated CPU  |
| Display  | 1x standard VGA interface , 1x standard HDMI interface , support 2ch , 8-bit LVDS interface  |

|           |   |
|-----------|---|
| Touch     | Resistance /capacitance touch   |
| Ethernet  | 1x LAN , 10/100/1000Mbps<br>1x on board WiFi ( optional )<br>1x on board SIM card slot ( supports 3G/4G ) |
| USB       | 6x USB2.0, 1x Micro USB(OTG) , 1x USB WIFI module   |
| COM       | 4x COM : COM1 support RS232/RS485 , COM2-4 support RS232  |
| Audio     | 1x MIC/1x HP/support power amplifier 2x 5W loudspeakers   |
| Other I/O | 1x MINI PCIe ( WiFi, 3G/4G module ) , 2x CAN BUS  |

|                |  |
|----------------|--|
| System Control | Reset switch , Power switch  |
| RTC            | support  |
| Watchdog       | support  |
| Power Supply   | single power+12V D3  |
| Temperature    | Operating Temperature:0°C ~ 60°C<br>Storage Temperature : -40°C ~ 85°C |
| Humidity       | 5% ~ 95% RH, non-condensing  |
| Size           | 146mm x 102mm  |
| OS             | Android/Linux/Ubuntu   |

### Dimension:

