

## Features

- NXP i.MX 8M Cortex A53/ Cortex M4, Quad Core, Dual Core, QuadLite up to 1.5 GHz Processor
- 1 GB Onboard DDR4 Memory up to 4GB
- 1 x USB 3.0, USB OTG
- 2 x RX/TX (Ser1/3), 2 x UART (Ser0/2)
- Supports Android, Linux, Yocto
- 3.23" x 1.97" (82mm x 50mm)



## Specifications

| System        |   |
|---------------|---|
| CPU           | NXP i.MX 8M Cortex A53/ Cortex M4, Quad Core, Dual Core, QuadLite up to 1.5 GHz           |
| System Memory | 1 GB Onboard DDR4 Memory up to 4GB  |
| Expansion     | Supports 2 x PCIe1  |
| Storage       | eMMC 4GB ~ 64GB   |
| Supported OS  | Android, Linux, Yocto   |
| Display       |   |
| Chipset       | Vivante® GC7000Lite Integrated Graphic  |
| I/O           |   |
| USB           | 1 x USB 3.0, USB OTG  |
| Serial        | 2 x RX/TX (Ser1/3)<br>2 x UART (Ser0/2)   |
| MIO           | 12 x GPIOs, 1 x SDIO, 2 x SPI, 3 x I2C, 1 x SPDIF, 1 x WDT, 2 x CAN, 1 x JTAG, 1 x MLB150 |

| Mechanical & Environment  |   |
|---------------------------|---|
| Power Requirement         | 3V to 5.25V - Operates Directly from Single Level Lithium Ion Cells, or Fixed 3.3V or 5V Power Supplies   |
| Operating Temp.           | Commercial Temperature: 0°C ~ 60°C (32°F ~ 140°F)<br>Industrial Temperature: -40°C ~ 85°C (-40°F ~ 185°F) |
| Storage Temp.             | -40°C ~ 85°C (-40°F ~ 185°F)  |
| Operating Humidity        | 0% ~ 90% Relative Humidity, Non-condensing  |
| Dimensions                | 3.23" x 1.97" (82mm x 50mm)   |
| Certification Information | CE, FCC Class B   |
| Weight                    | 0.8 oz (0.06kg)   |

\* All product specifications and images are subject to change without notice. Last update: 9/13/2018



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