

# HummingBoard Ripple SBC

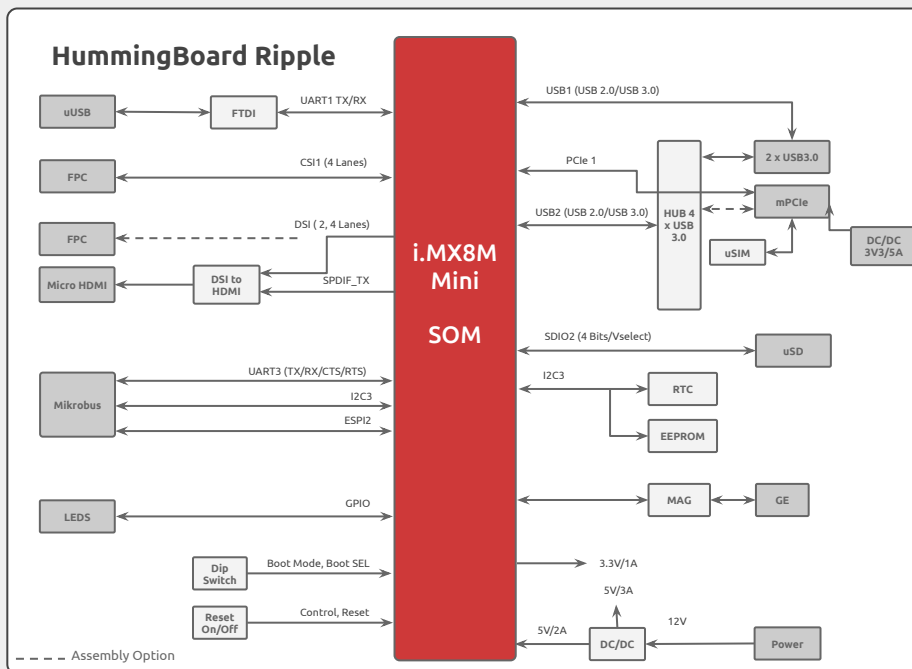
Up to 4 x Arm Cortex-A53 cores



- SoC: NXP i.MX8M Mini based Single to Quad Core SOM Cortex A53 / NXP i.MX8M Plus based Dual to Quad Core SOM Cortex A53
- Memory: Up to 4GB
- Storage: 8GB eMMC
- Temperature: Commercial (0C to 70C), Industrial (-40C to 85C)
- OS: Linux



	i.MX8M Mini	i.MX8M Plus
<b>I/O</b>	2 x USB 2.0 1 x MIPI-CSI	2 x USB 3.0 1 x MIPI-CSI
<b>Networking</b>	1 x Ethernet RJ45 10/100/1000 1 x 802.11 a/b/g/n/ac WiFi and Bluetooth (2.4/5 GHz)	1 x Ethernet RJ45 10/100/1000 1 x 802.11 a/b/g/n/ac WiFi and Bluetooth (2.4/5 GHz)
<b>Processor</b>	NXP i.MX 8M Mini Single to Quad core Arm Cortex A53 up to 1.8GHz (with Arm M4 GPP)	NXP i.MX 8M Plus Single to Quad core Arm Cortex A53 up to 1.8GHz (with Arm M7 GPP)
<b>Memory &amp; Storage</b>	Up to 4GB LPDDR4 8GB eMMC MicroSD	Up to 8GB LPDDR4 8GB eMMC MicroSD
<b>Display</b>	Micro HDMI	Micro HDMI
<b>Misc.</b>	1 x Reset button 1x Configurable push button 3 x LED indicators RTC	1 x Reset button 1x Configurable push button 3 x LED indicators RTC
<b>Development and Debug interfaces</b>	Micro USB	Micro USB
<b>Power</b>	7V - 28V	7V - 28V
<b>Expansion card I/Os</b>	mikroBUS header Mini PCIe with SIM holder	mikroBUS header Mini PCIe with SIM holder
<b>Temperature</b>	Commercial: 0°C to 70°C Industrial: -40°C to 85°C	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
<b>Dimensions</b>	PCBA: 100 x 70mm Enclosure: 142 x 80 x 30mm	PCBA: 100 x 70mm Enclosure: 142 x 80 x 30mm
<b>Enclosure</b>	Extruded aluminum	Extruded aluminum

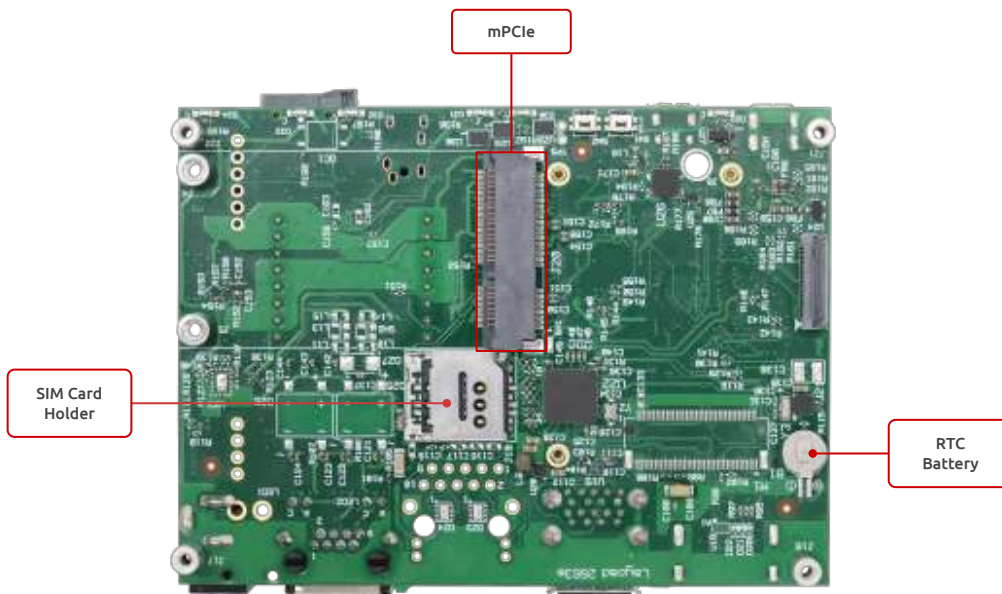
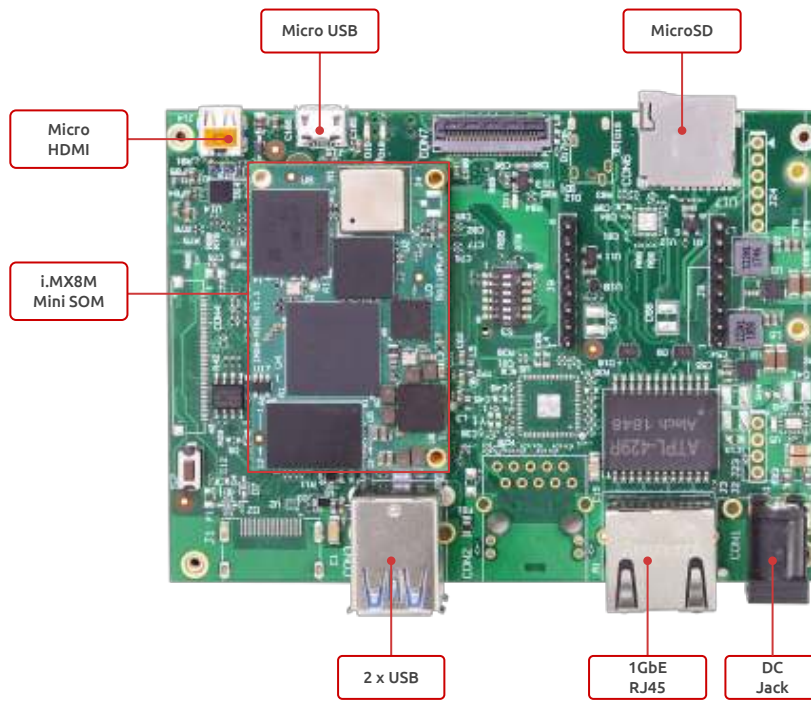


## Ordering Information

### Available on Shop

SKU	Description
<a href="#">SRMM8-EVKHP-R01</a>	SOM i.MX8M Mini   HummingBoard Ripple   Inc. WiFi/BT   2GB RAM   8GB eMMC   Com.Temp   R02   Inc. Heatsink

- To choose your ideal configuration see our [Product Configurator Tool](#)



For more information about the HummingBoard Ripple Software/Hardware visit our:

[Developer Center](#)